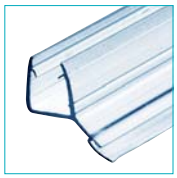
Architectural Hardware



THE COMPLETE HÄFELE

www.hafele.com

1	**Door Handles** มือจับประตู			
2	**Locking and Security**			
3	**Door Hinges**			
4	**Door Closers**			
5	**Sliding and Folding Door Fittings**			
6	**Glass Door Fittings**			
7	**Bathroom Fittings**			
8	**Window Fittings**			
9	**Furniture Fittings**			
10	**Hardware Fitting Accessories**			







1

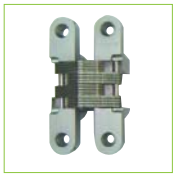






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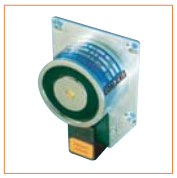




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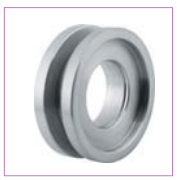




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The Complete Häfele - Architectural Hardware 2015

Dear Valued Customer,
It gives me a great pleasure to introduce you our latest edition of The Complete Häfele - Architectural Hardware Catalogue 2015.
Häfele is a family owned German company which exists since over 90 years, founded in Indonesia in 1996. We understand the meaning of Quality, Good Service and Competitive Pricing and all at Häfele look forward to be of continuing service to you in the future.
This latest edition is a comprehensive guide to all your architectural hardware and interior fittings requirements.
We have carefully designed and illustrated the content with easy colour index and pictures to guide you along to select the correct product specifications to meet all your design requirements. As part of our company's commitment to - Thinking Ahead, we trust that this catalogue will become your first point of reference in your architectural hardware selection. We assure you of our best service and attention. Do not hesitate to contact one of our experienced dealers for details. Certainly you are welcome to our Häfele Showroom and Head Office in Serpong (Tangerang) and showrooms in Bandung, Semarang, Yogyakarta, Surabaya, Bali and Makassar.
Thank you very much for your continuing support and we look forward to hearing from you in the near future.

Yours sincerely,

Volker Hellstern
Managing Director

Bambang Lesmana
General Manager

Pelanggan yang terhormat,
Merupakan suatu kebahagian bagi kami untuk memperkenalkan anda Edisi Katalog terbaru kami 'Design Furniture Handles Catalogue 2014'. Häfele merupakan perusahaan keluarga yang sudah eksis selama 90 tahun di dunia dan keberadaannya di Indonesia sejak dari tahun 1995. Kami memahami arti kualitas, servis yang baik, dan harga yang bersaing, berharap dapat memberikan pelayanan pada Anda di masa mendatang. Edisi ini merupakan panduan lengkap untuk segala kebutuhan Furniture Handle anda. Kami merangkumnya mulai dari bentuk eksotis, model-model unik berbagai bentuk dan material tanpa mengurangi fungsinya. Pilihan Furniture Handle sangat beragam. Jumlah dari jenis material juga tidak terbatas. Temukan bermacam-macam desain handle di katalog ini, dari furnitur untuk proyek kelas tinggi sampai dengan item produksi massal yang mengutamakan harga ekonomis. Untuk lebih detail, jangan ragu untuk menghubungi sales kami atau dealer terdekat kami. Tentunya kami juga mengharapkan kehadiran anda untuk mengunjungi Showroom kami di Tangerang, Bandung, Semarang, Yogyakarta, Surabaya, bali dan Makassar. Terima kasih untuk dukungan dari Anda yang terus menerus dan kami tunggu kabar dari anda selanjutnya.

Salam hormat,

Volker Hellstern
Managing Director

Bambang Lesmana
General Manager





Häfele worldwide

Häfele Headquater is located in Nagold, Black Forest, Germany with 100 % private ownership. Häfele is a leading company as a furniture fittings and architectural hardware supplier. The Häfele Group's International sales centres are characterized by a product range concept unique in the furniture hardware sector, as well as individual consultancy and a comprehensive logistic system. Häfele employs a workforce of around 4,700 worldwide in subsidiaries offices in 33 countries in 5 continents.





Häfele Headquarters (Nagold, Black Forest, southern Germany)

Häfele has its own gigantic main warehouse in Nagold, in which the comprehensive range of hardware is managed and made available. Because it invests heavily in stock keeping, Häfele can guarantee delivery capability and short delivery times. More than 3,500 orders are processed in the main warehouse and the dispatch centre in Nagold every day, more than 100,000 storage locations are managed and
more than 50,000 articles are stored.

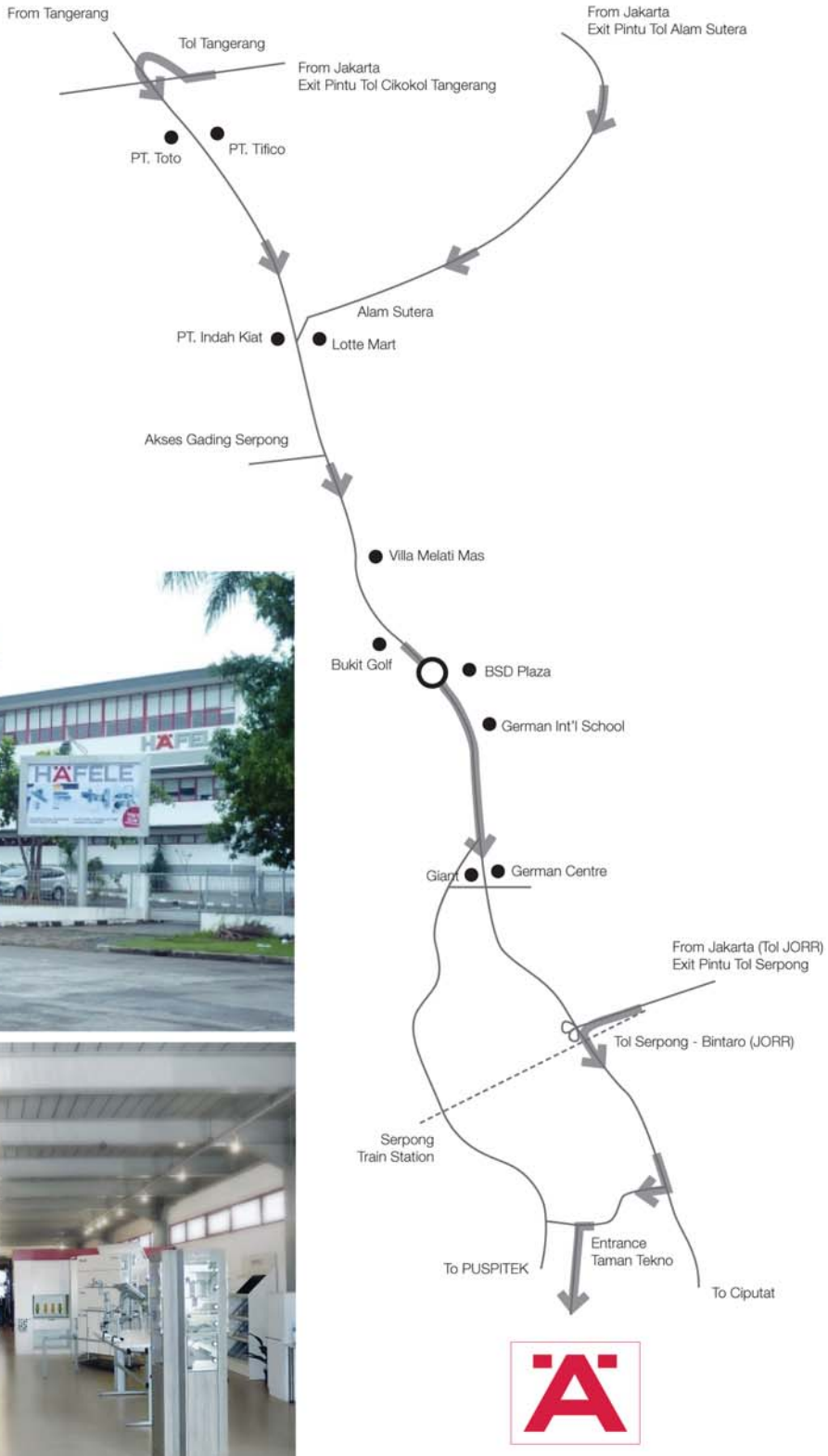




Häfele Distribution Centre (Nagold, Black Forest, southern Germany)

Häfele Showroom and Head Office Serpong (Tangerang)

Showroom & kantor pusat Häfele - Serpong Tangerang



Häfele Serpong (Head Office)
Taman Tekno BSD Blok A No. 3
Serpong, Tangerang 15314
Telephone: +62 21 75878888
Fax: +62 21 75877777
info@hafele.co.id





Welcome to our Showrooms in Indonesia

Selamat datang di Showroom Häfele Indonesia



Häfele Bali (Branch Office)
Jl. Bypass Ngurah Rai 120i
Kuta 80361
Telephone: +62 361 764278
Fax: +62 361 759995
dpr@hafele.co.id

Häfele Semarang (Branch Office)
Jl. Majapahit 91 Ruko D
Semarang 50167
Telephone: +62 24 76744466
Fax: +62 24 76744433
smg@hafele.co.id

● Häfele offices & showrooms

Häfele Bandung (Branch Office)
Jl. Karapitan No. 137B
Bandung 40261
Telephone: +62 22 7307758
Fax: +62 22 7307877
bdg@hafele.co.id

Häfele Surabaya (Branch Office)
Jl. Mayjen Sungkono 176-178
Ruko Grand Sungkono A8
Surabaya 60189
Telephone: +62 31 5680800
Fax: +62 31 5670800
sby@hafele.co.id

Häfele Makassar (Branch Office)
Jl. Veteran Selatan No. 217B
Makassar 90131
Telephone: +62 411 852522
Fax: +62 411 852527
makassar@hafele.co.id

Häfele Yogyakarta (Branch Office)
Jl. Janti No. 332
Banguntapan Bantul
Yogyakarta 55281
Telephone: +62 274 4534893
Fax: +62 274 4534361
yogya@hafele.co.id

New products,
Latest information &
Regular promotions!
www.hafele.co.id

Produk-produk baru, informasi
terbaru dan promosi reguler!
www.hafele.co.id

Contact our
sales department
for detailed information!
info@hafele.co.id

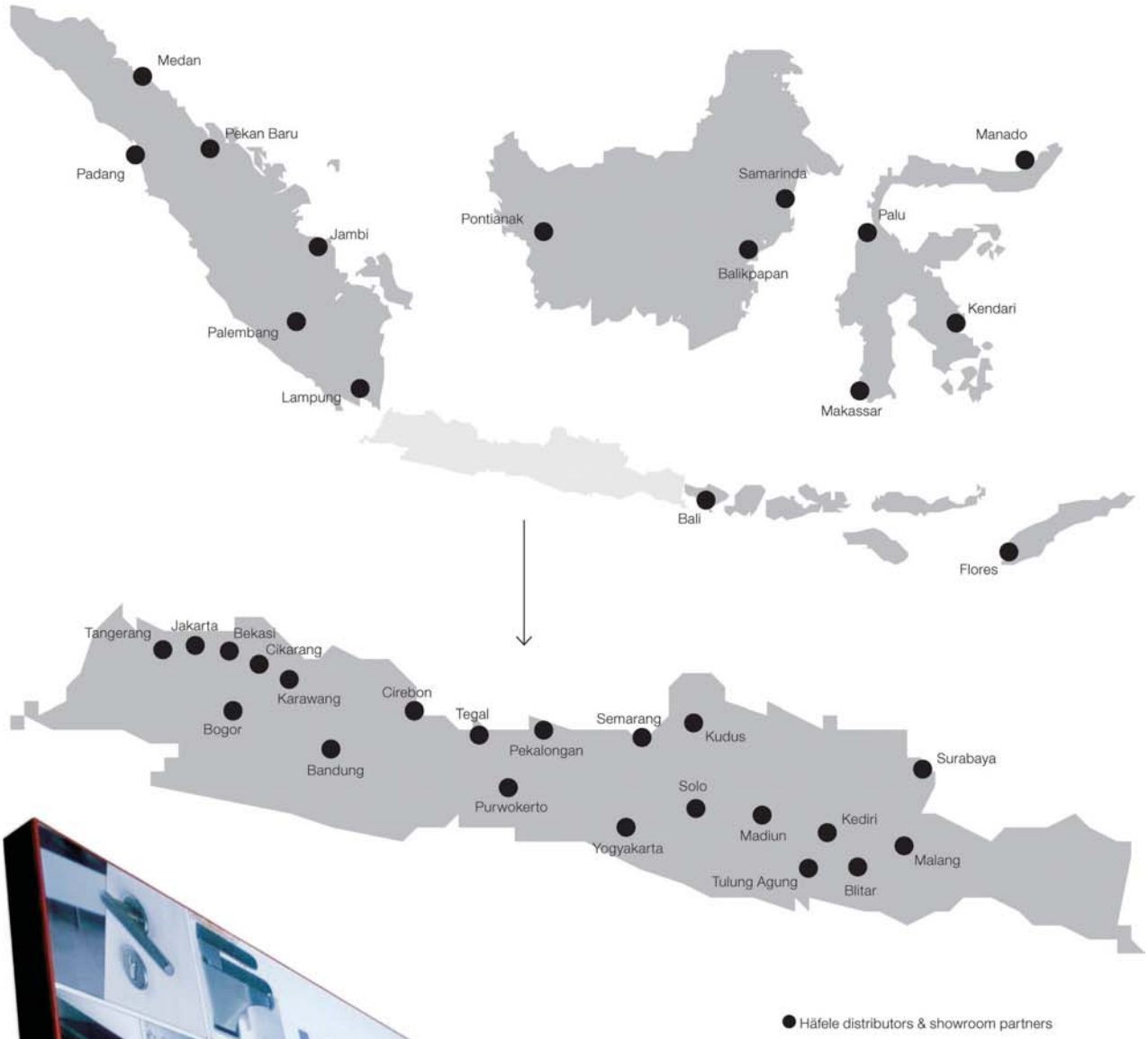
Hubungi sales kami untuk info
lebih detail! info@hafele.co.id

Product information, technical
advice & account management.
Customer Service Hotline:
+62 21 7587 6666

Informasi produk, teknis dan manajemen pelanggan,
Hotline servis pelanggan: +62 21 7587 6666

Visit us at our dealers

Kunjungi dealer-dealer kami



Billboards as shown above signature our authorized Dealers, making it easy for you to locate

Billboard di atas adalah sign dealer resmi Häfele, mempermudah anda untuk menemukan dealer-dealer Häfele di seluruh Indonesia

Häfele Indonesia nationwide distribution channels

We are providing marketing, sales service, product knowledge and logistical support to a nationwide network of more than 100 capable dealers, such as modern and traditional hardware retail stores, DIY stores and construction material specialty stores.

Jalur Distribusi Häfele seluruh Indonesia

Kami menyediakan pemasaran, penjualan, info produk dan logistik untuk seluruh dealer nasional yang jumlahnya lebih dari 100 dealer handal, seperti toko-toko retail modern dan tradisional, DIY stores, dan toko spesialis material bangunan

Häfele Supply Chain Management

Manajemen rantai pasokan Häfele



In Tangerang, Häfele operates two warehouses totalling some 3,000 m2 and a capacity of storing some 2,000 pallets in 5,000 locations. Our modern operation procedures enable us to ship some 100 orders and more than 500 order lines – every day. The processed orders are being delivered the next day by multiple modern vehicles all over Jakarta and surrounding provinces.

Di Tangerang, Häfele mengoperasikan dua gudang dengan total luas 3,000 m^2, dengan kapasitas penyimpanan 2,000 pallet di 5,000 lokasi berbeda. Dengan prosedur modern yang dijalankan memungkinkan kami untuk mengirimkan 100 order barang dan lebih dari 500 order lines – per hari. Order yang sudah diproses akan dikirimkan di hari berikutnya dengan berbagai kendaraan modern kami ke seluruh Jakarta dan propinsi sekitarnya.

Häfele on the road

Häfele di perjalanan



Every aspect of the daily running of Häfele Indonesia is calculated in terms of customer services. This is achieved by co-operation in all areas of our company, from front line sales staff to product managers, from purchasing and accounts to distribution. To be close to our customers you will find Häfele showrooms or dealers throughout the country. A special focus should be placed on our modern delivery vehicles which are providing our products fast and direct to our customers, as well as to more than 100 capable dealers.

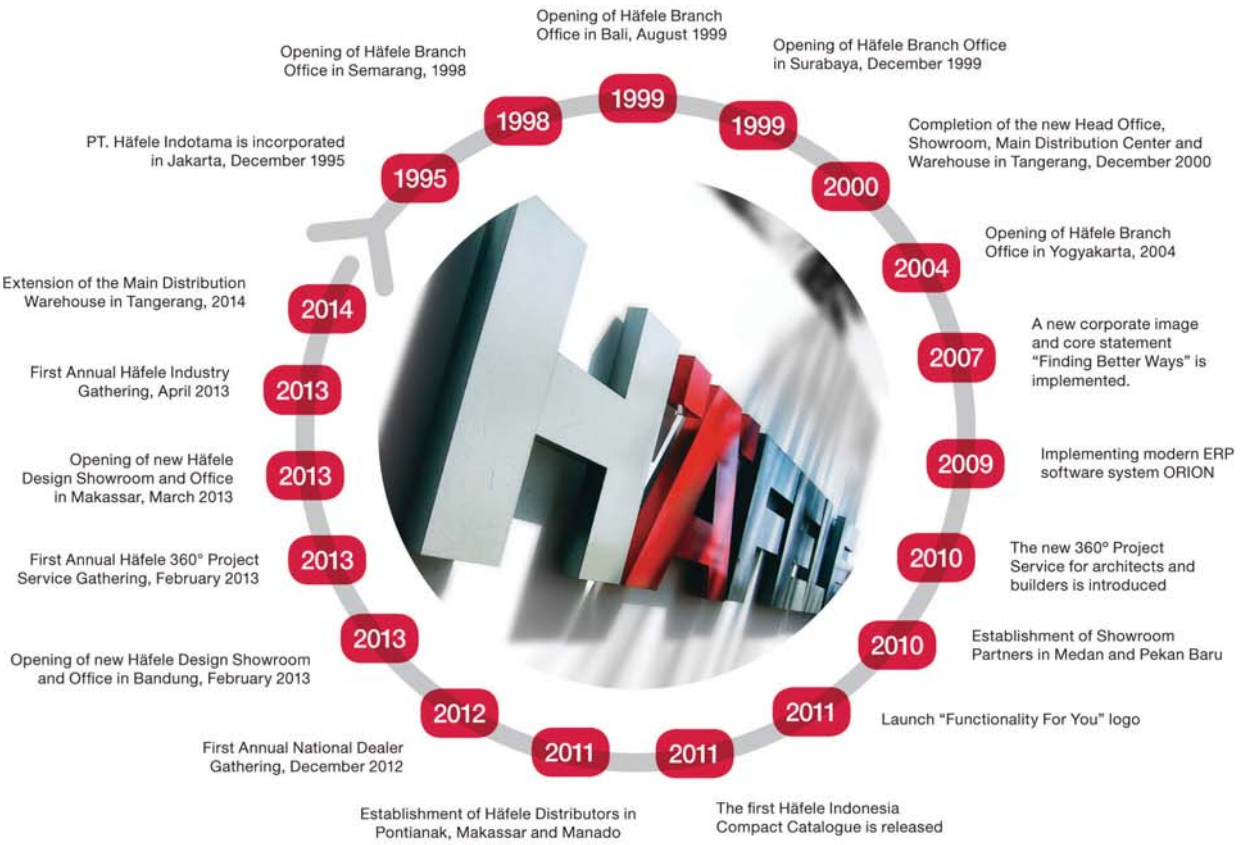
Program kegiatan harian Häfele Indonesia berpedoman pada konsep kepuasan pelanggan. Hal ini tercapai karena kerjasama dengan berbagai pihak dalam perusahaan kami, mulai dari front line sales kami sampai dengan manajer produk, dari purchasing dan keuangan sampai dengan bagian pengiriman. Untuk lebih dekat dengan pelanggan, dengan mudah Anda dapat menemukan showroom Häfele atau dealer di seluruh Indonesia. Fokus kami di pengiriman barang dengan kendaraan yang modern agar barang sampai dengan cepat dan langsung ke pelanggan, sebagaimana kami memiliki 100 dealer yang handal

How it all began – Milestones Häfele Indonesia

Bagaimana kami bermula - Tonggak sejarah Häfele Indonesia



Häfele Branch Offices and Showrooms





First Häfele Office in Jakarta 1995



Häfele Logo Story

Häfele - The Innovator of Functionality



Loox



dialock



Moovit



SLIDO



ixconnect



Officys



Lift+Turn



Tavoletto

Häfele at www.hafele.com





Log-on to the Häfele World of innovations and product news. At our web site you will be able to find information about:

- New products and product ranges
- Current events, activities and promotions
- Contact details of all our design showrooms and logistic centers
- Online versions all our print media as catalogues, brochures & leaflets

Kunjungi Dunia Häfele, temukan inovasi dan informasi produk. Di situs kami anda bisa menemukan informasi tentang:

- Produk-produk baru dan jenis produk lainnya
- Event-event terbaru, berbagai kegiatan dan promosi
- Alamat lengkap showroom dan pusat logistik kami
- Pusat media versi online untuk katalog, brosur dan leaflet

Register for the Häfele Newsletter, today.
We keep you up to date with information about new products, promotions and activities.
Drop us an email now — info@hafele.co.id

Segera daftar Häfele newsletter, sekarang. Kami akan memberikan berita-berita up-to-date tentang produk-produk baru, promosi dan kegiatan Häfele. Kirim email sekarang ke info@hafele.co.id



Price check and stock availability service
Häfele online service, the easy way to check stock availability and product prices, 24 hours a day, 7 days per week and 365 days per year.

Layanan cek ketersediaan stok dan harga
Layanan online dari Häfele, cara mudah untuk cek ketersediaan stok dan harga produk, setiap saat.



The Häfele catalogues
Complete overview and source for everything an architect, specifier, designer or woodworker could need. With the latest innovations and solutions in all fields of architectural, furniture, kitchen, sanitary, bathroom and electronic locking...

Katalog Häfele
Penjelasan lengkap dan sumber untuk semua arsitek, specifier, perancang atau pengerajin kayu membutuhkannya. Solusi dan inovasi terkini untuk semua area arsitektur, furnitur, kitchen set, sanitary, kamar mandi dan kunci elektronik.





Online catalogues & brochures
Click this button and you will find all our latest catalogues, brochures and leaflets even with designs from Europe as well as many classic bestsellers from Häfele available since years. Do not hesitate to contact one of our experienced staff or dealers for details. Furthermore all our catalogues and brochures are available as App for your IPad and IPhone as well.

Katalog & brosur online
Klik gambar di atas, anda akan temukan katalog, brosur dan leaflet kami yang terbaru dengan berbagai produk-produk dengan sentuhan desain dari Eropa sebaik penjualan Häfele terlaris sejak dahulu. Tidak perlu ragu untuk menghubungi staff berpengalaman atau dealer-dealer kami untuk info lebih lanjut. Selain itu, semua katalog dan brosur Häfele sudah tersedia untuk aplikasi iPad dan iPhone Anda.



Customer Service Hotline
We look forward to developing a mutually beneficial and prosperous working relationship. We are here to help!

Customer Service is our top priority. We offer product information, technical advice and account management.
Call us at +62-21-7587-6666

Layanan Hotline untuk Pelanggan
Kami berharap bisa mengembangkan hubungan kerja yang saling menguntungkan. Kami siap membantu! Pelayanan pelanggan adalah prioritas utama kami. Kami memberikan informasi produk, saran teknis dan account management. **Hubungi kami di +62-21-7587-6666**



The Art of Trust and Partnership

Seni tentang kepercayaan dan kemitraan

Häfele has an impressive domestic and international list of project references with varying size, scope and category. We thank the property developers, architects and builders for putting their faith in Häfele. Our project service provides an efficient, convenient, single source of technical support and material supply to achieve integrated solutions, backed by all types of successful construction projects all over the world bearing the signature of Häfele's experts. The few examples shown below demonstrate our ability to meet diverse requirements.

Häfele mempunyai referensi proyek internasional dan domestik yang mengesankan dengan berbagai ukuran, bentuk dan kategori. Kami berterima kasih kepada pihak pengembang, arsitek dan pekerja bangunan yang telah yakin dan percaya kepada Häfele. Pelayanan kami sangat efisien, mudah, bersumber dari technical support dan solusi pengiriman barang yang tepat, serta didukung oleh kesuksesan Häfele untuk semua maha karya proyek konstruksi di seluruh dunia. Beberapa contoh di bawah ini menunjukkan kemampuan kami dalam memenuhi berbagai permintaan.



Crowne Plaza Hotel, Semarang



Pullman Hotel Central Park, Jakarta



The Residence At Dharmawangsa, Jakarta



Hotel Novotel, Surabaya



The Mulia, Bali



Conrad, Bali



Nusa Dua Hotel, Bali



Hotel Tentrem, Yogyakarta



Hotel Mercure, Jakarta



Pullman Hotel, Bali



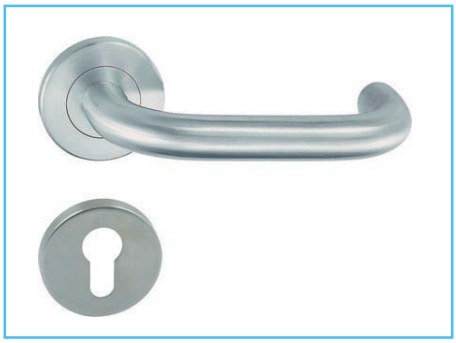
Eka Hospital, BSD Tangerang



Tune Hotel, Jakarta

1 Door Handles



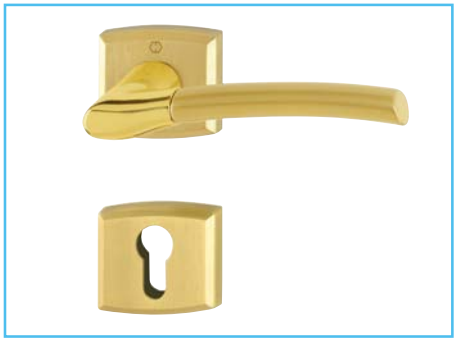


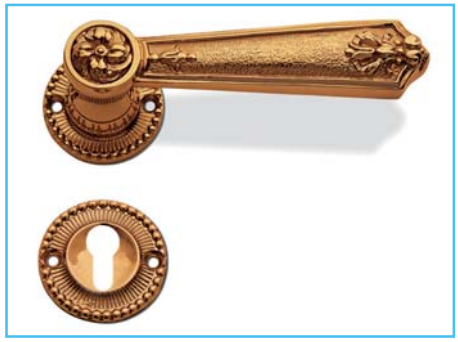












HÄFELE

1

Lever handles – KILIMANJARO/MONT BLANC





Lever handle set - KILIMANJARO 1.7

Lever handle set - MONT BLANC 1.14

Individual set components 1.18

Pull handles – FUJI





Pull handle set 1.24

Grip handles – MATTERHORN





Grip handle set 1.40

Lever handles – HOPPE





Lever handle set 1.44

Lever handles – CASSINA





Lever handle set 1.52

Lever and pull handles – FSB





Lever handle set 1.60

Pull handle set 1.61

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Classification of lever handles in compliance with EN 1906:2002 and EN 1906:2010

Lever handles are divided into four categories of use in these standards. The requirements are classified using an eight-position designation system. The products are classified in accordance with the 2002 and 2010 keys. Deviating definitions can be identified by the issue date.

8-position classification key in accordance with EN 1906:2002 and EN 1906:2010

	Position							
EN 1906:2002	1 Category of use	2 Durability	3 Door weight	4 Fire resistance*	5 Safety	6 Corrosion resistance	7 Forced entry resistance	8 Version
EN 1906:2010	1 Category of use	2 Durability		4 Fire resistance*			7 Burglar protection	

* The proven fire resistant characteristics can be found in the relevant report

Meaning of individual positions in classification key:

Classification key	Possible grades	Meaning
1 Category of use (2002) 1 Category of use (2010)	1–4	1 = Moderate usage frequency by persons who are inclined to take the utmost care and are unlikely to use the fittings incorrectly, e.g. interior doors in residential buildings
		2 = Moderate usage frequency by persons who are inclined to take (2002: "the utmost") care but may possibly use the fittings incorrectly, e.g. interior doors in office buildings
		3 = Frequent use by the public or other persons who are not inclined to take care and are extremely likely to use the fittings incorrectly, e.g. doors in office buildings with public access
		4 = For use on doors that are frequently subjected to applied force or property damage, e.g. football stadiums, oil rigs, in military bases or public toilets
2 Durability (2002) 2 Durability (2010)	6–7	6 = Moderate usage frequency: 100,000 test cycles
		7 = Frequent use: 200,000 test cycles
3 Door weight	No classification	

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Meaning of individual positions in classification key:

Classification key	Possible grades	Meaning
4 Fire resistance* (2002) 4 Fire resistance* (2010)	0–1	0 = Not permitted for use on fire resistant and smoke control doors
		1 = Suitable for use on fire resistant and smoke control doors
	0, A–C	0 = No classification
		A = Suitable for use on smoke control doors
		B = Suitable for use on fire resistant and smoke control doors
		C = Suitable for use on fire resistant and smoke control doors with lever handle core requirements
5 Safety	0–1	0 = For normal purposes
		1 = In the event of safety applications
6 Corrosion resistance	0–5	0 = No defined corrosion resistance (2002), no classification (2010)
		1 = Low corrosion resistance
		2 = Average corrosion resistance (2002), moderate corrosion resistance (2010)
		3 = High corrosion resistance
		4 = Extremely high corrosion resistance
		5 = extraordinarily high corrosion resistance (2002), extremely high corrosion resistance (2010)
7 Forced entry resistance 7 Burglar protection	0–4	0 = Fittings that are not suitable for use on burglar-proof doors (2002), no classification (2010)
		1 = Low forced entry resistance
		2 = Moderate forced entry resistance
		3 = High forced entry resistance
		4 = Extremely high forced entry resistance
8 Version	A, B or U	Type A = Spring-assisted fittings
		Type B = Fittings with sets with spring tension (2002), spring-assisted fittings (2010)
		Type U = Fittings without sets with spring unsprung fittings (2010)

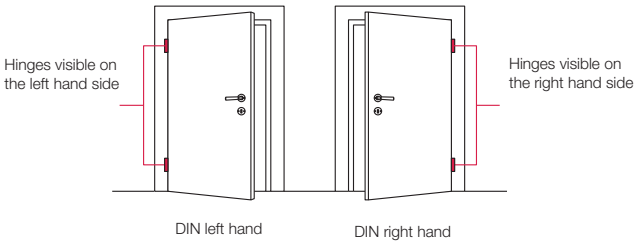
* The proven fire resistant characteristics can be found in the relevant report

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

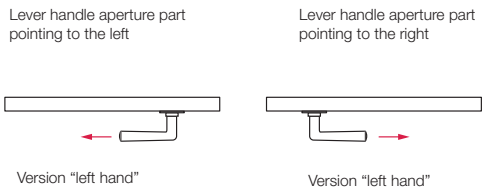
Door direction – left or right

The door direction (left/right) according to DIN 107 is determined as follows:

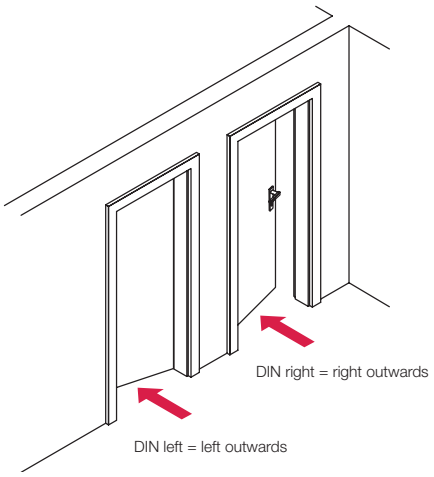
- Visible position of the door hinges on the left: (DIN) left
- Visible position of the door hinges on the right: (DIN) right



Lever handle direction



Opening direction



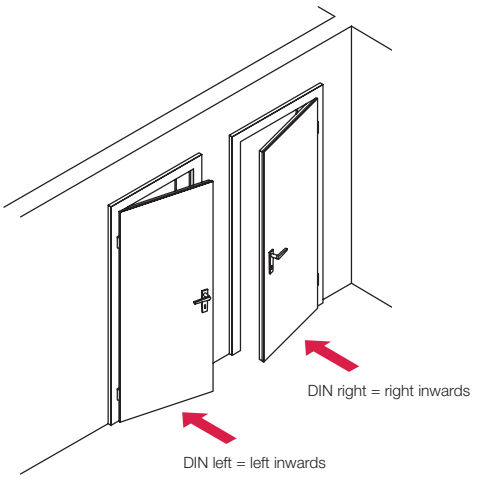
When selecting alternate sets with asymmetrical handles a distriction to the right/left is required. It is therefore necessary to observe the particular door direction.

Examples of asymmetrical lever handles



Examples of symmetrical lever handles





We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

1

Product line StarTec

The StarTec door handles are for the first time divided into four clearly separated product lines. The purpose behind this is to enable you, our partners to get the better overview of our product range and to make it easier for you to find the right handles for your needs.



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

The KILIMANJARO Lever handles series StarTec

How to recognise original StarTec KILIMANJARO door handle sets?













1 The Häfele logo is visible on the lever handle
2 The spindle is marked with Häfele logo and EN1906 logo
3 The spindle comes with an offset hollow core for screw fixing
4 The lever handle single spring loaded mechanism ensures a straight lever handle position
5 The lever handle is fixed to a steel rosette
6 The bolt through screw fixing for maximum hold on handle

Additional features:

- Made of stainless steel
- For door thicknesses of 35–50 mm

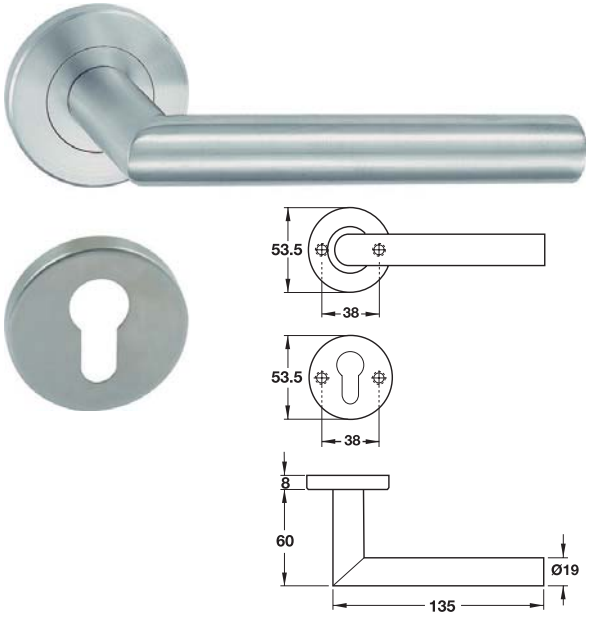


Certificate of product range



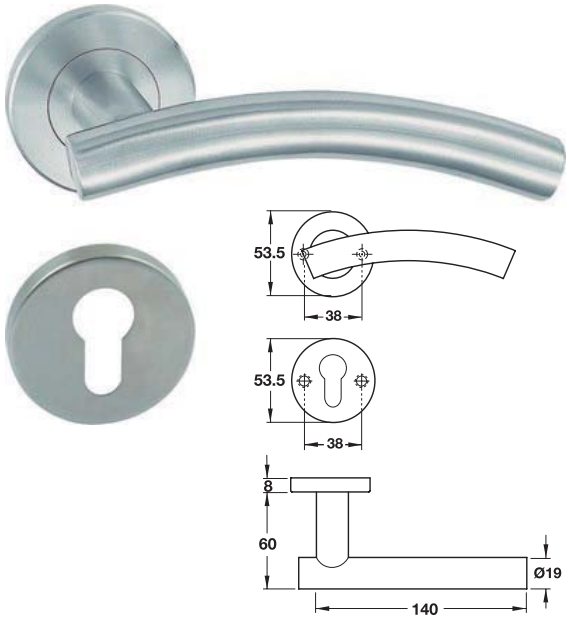
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever handle sets



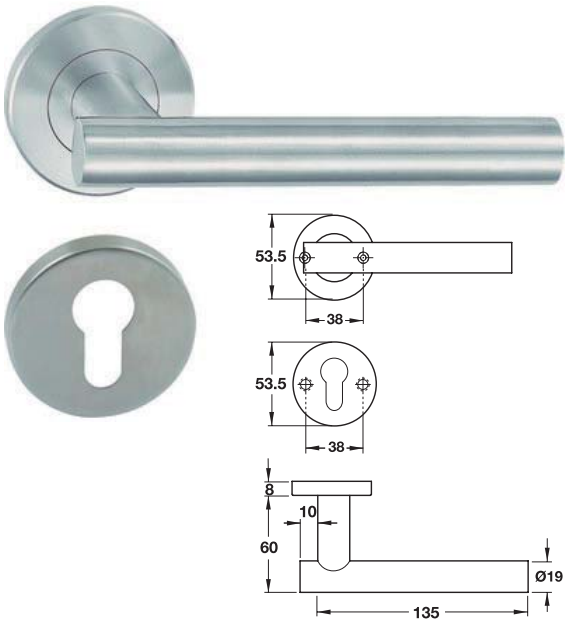
Material/finish	Cat. No.
Stainless steel matt	903.92.556
Stainless steel polished	903.92.557

Packing: 1 set



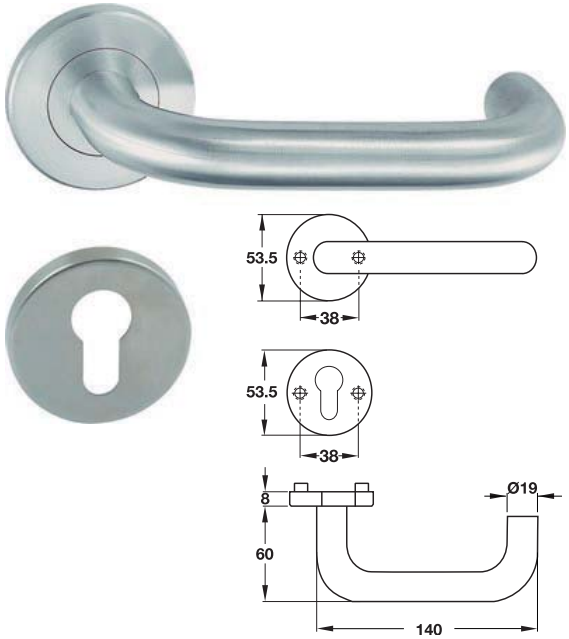
Material/finish	Cat. No.
Stainless steel matt	903.92.576
Stainless steel polished	903.92.577

Packing: 1 set



Material/finish	Cat. No.
Stainless steel matt	903.92.566
Stainless steel polished	903.92.567

Packing: 1 set

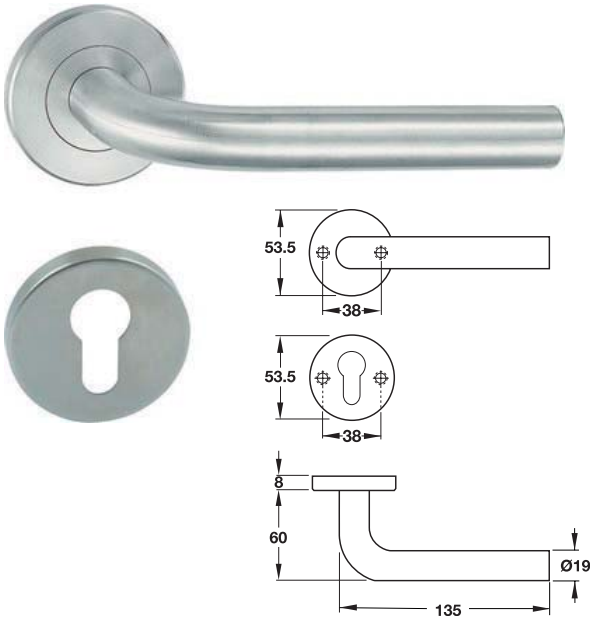


Material/finish	Cat. No.
Stainless steel matt	903.92.586
Stainless steel polished	903.92.587

Packing: 1 set

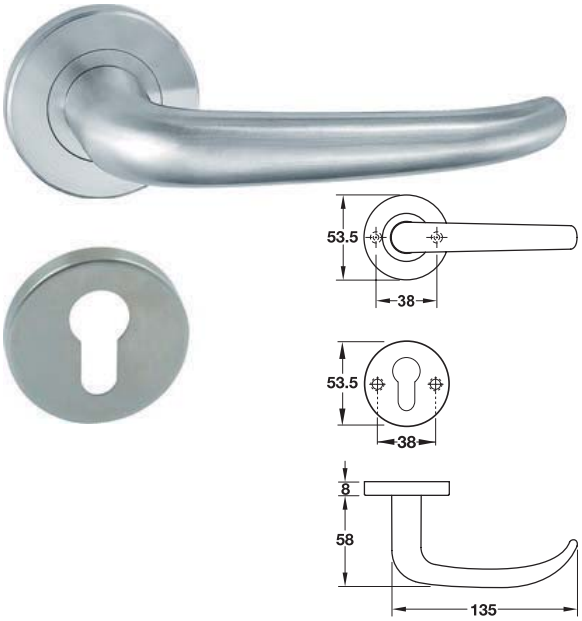
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever handle sets



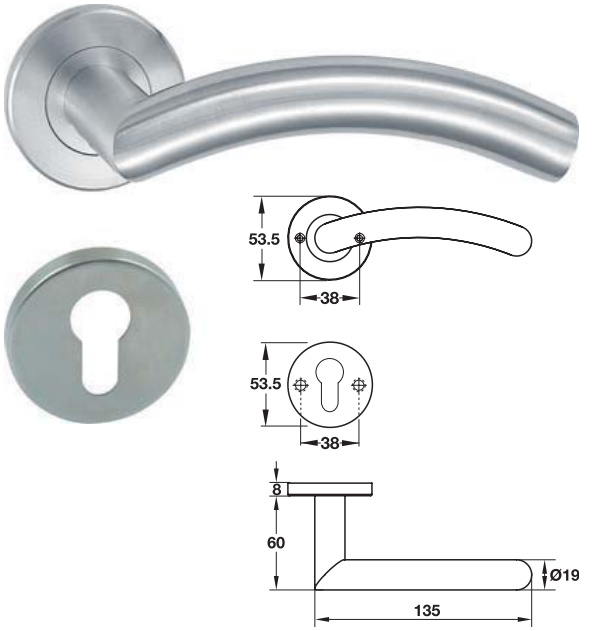
Material/finish	Cat. No.
Stainless steel matt	903.92.596
Stainless steel polished	903.92.597

Packing: 1 set



Material/finish	Cat. No.
Stainless steel matt	903.92.616
Stainless steel polished	903.92.617

Packing: 1 set



Material/finish	Cat. No.
Stainless steel matt	903.92.606
Stainless steel polished	903.92.607

Packing: 1 set



Material/finish	Cat. No.
Stainless steel matt	903.92.626
Stainless steel polished	903.92.627

Packing: 1 set

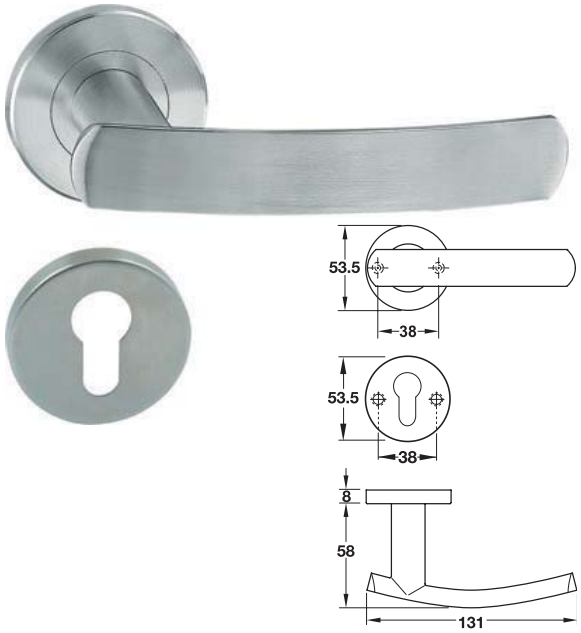
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever handle sets



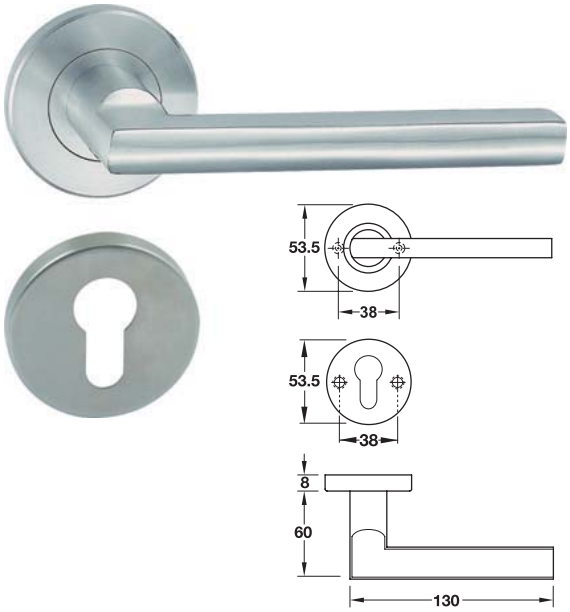
Material/finish	Cat. No.
Stainless steel matt	903.92.636
Stainless steel polished	903.92.637

Packing: 1 set



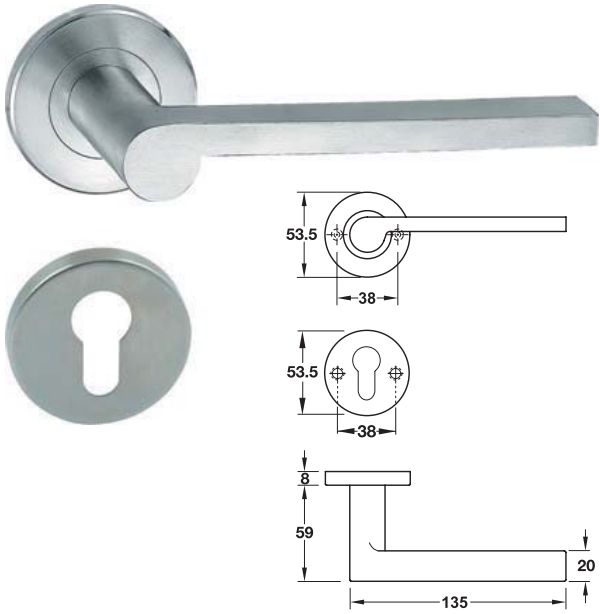
Material/finish	Cat. No.
Stainless steel matt	903.92.656
Stainless steel polished	903.92.657

Packing: 1 set



Material/finish	Cat. No.
Stainless steel matt	903.92.646
Stainless steel polished	903.92.647

Packing: 1 set

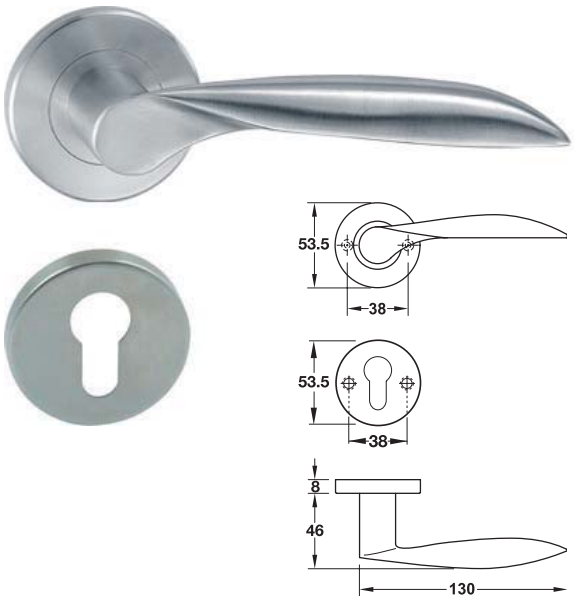


Material/finish	Cat. No.
Stainless steel matt	903.92.666
Stainless steel polished	903.92.667

Packing: 1 set

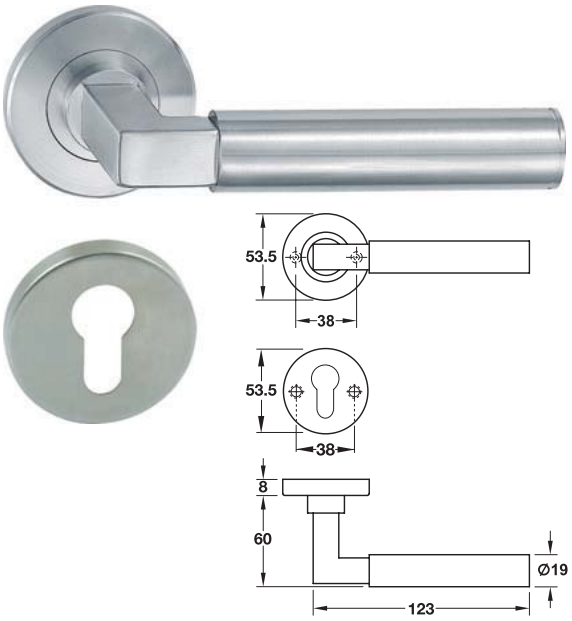
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever handle sets



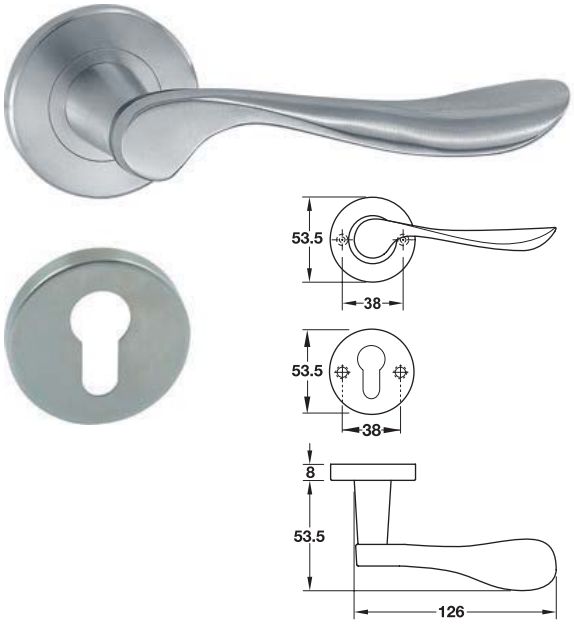
Material/finish	Cat. No.
Stainless steel matt	903.92.676
Stainless steel polished	903.92.677

Packing: 1 set



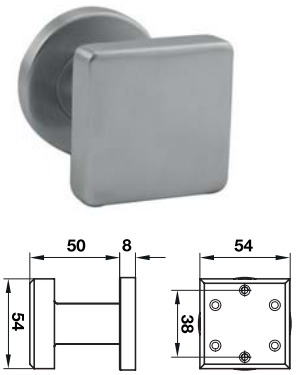
Material/finish	Cat. No.
Stainless steel matt	903.92.696
Stainless steel polished	903.92.697

Packing: 1 set



Material/finish	Cat. No.
Stainless steel matt	903.92.686
Stainless steel polished	903.92.687

Packing: 1 set



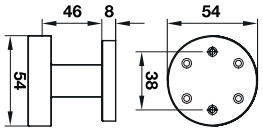
Material/finish	Cat. No.
Stainless steel matt	903.70.124
Stainless steel polished	903.70.125

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fixed knob





Material/finish	Cat. No.
Stainless steel matt	903.70.126
Stainless steel polished	903.70.127

Packing: 1 pc.

Accessories for door handle set StarTec

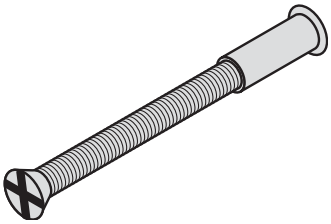
Hexagon socket screw M6



Diameter mm	Cat. No.
6	909.46.090

Packing: 1 pc.

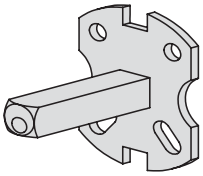
Mounting screw M6



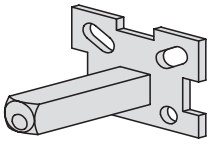
Size mm	Cat. No.
M4 x 65	909.19.902

Packing: 1 pc.

Spindle 8 mm on plate



For rose set

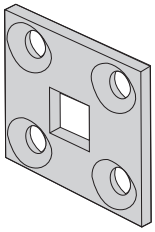


For backplate set

Version	Cat. No.
For rose set	909.46.060
For backplate set	909.46.061

Packing: 1 set

Spindle arresting plate



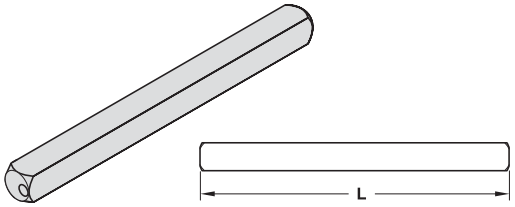
Dimension mm	Cat. No.
27 x 27	909.00.946

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

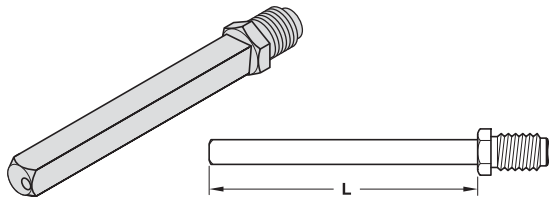
Accessories for door handle set StarTec

Spindle, square



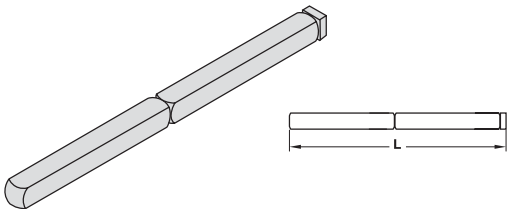
Length L mm	Cat. No.
96	909.46.025
100	909.46.028
105	909.46.030
110	909.46.031
130	909.46.035

Alternate spindle M12, 8 mm



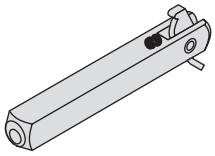
Length L mm	Cat. No.
80	909.46.040
89	909.46.041
99	909.46.042
125	909.46.043

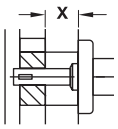
Spindle 8 mm, split in center



Length L mm	Cat. No.
100	909.00.270
118	909.83.711

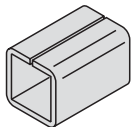
Alternate spindle 8 mm





Length X mm	Length mm	Cat. No.
11.5–16.5	60	909.46.106
17.0–22.0	71	909.46.107
22.5–27.5	82	909.46.108

Adapter sleeve



Size mm	Cat. No.
7–8	909.40.500
8–9	909.40.501
9–10	909.40.502

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

1

The Mont Blanc Lever handles series StarTec

How to recognise original StarTec Mont Blanc door handle sets?















OUTSTANDING QUALITY

1 The Häfele logo is visible on the lever handle
2 Extra long handle length with 140 mm
3 The spindle comes with an offset hollow core for screw fixing
4 The lever handle single spring loaded mechanism ensures a straight lever handle position
5 Rose is separated from the handle to achieve a one piece rose cover
6 The bolt through screw fixing for maximum hold on handle

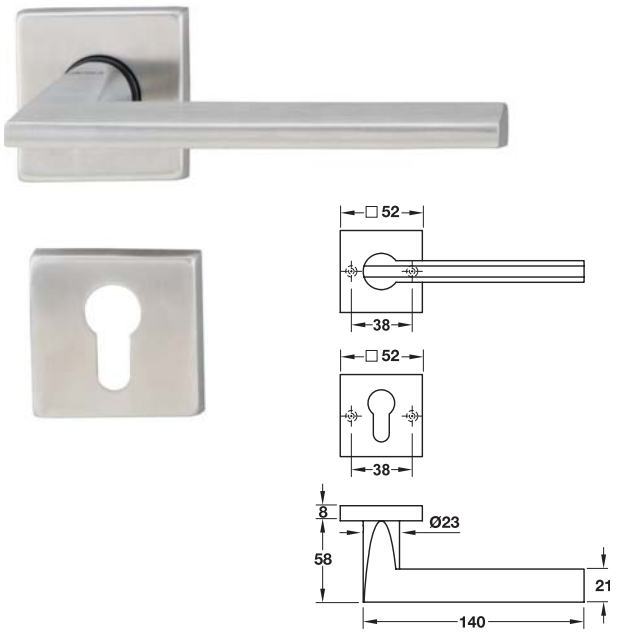
Additional features

- Made of stainless steel (304)
- For door thicknesses of 35–50 mm



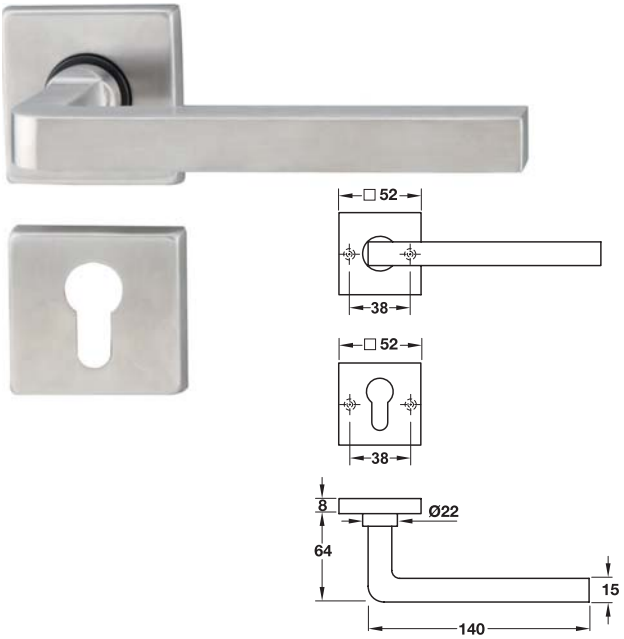
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever handle sets



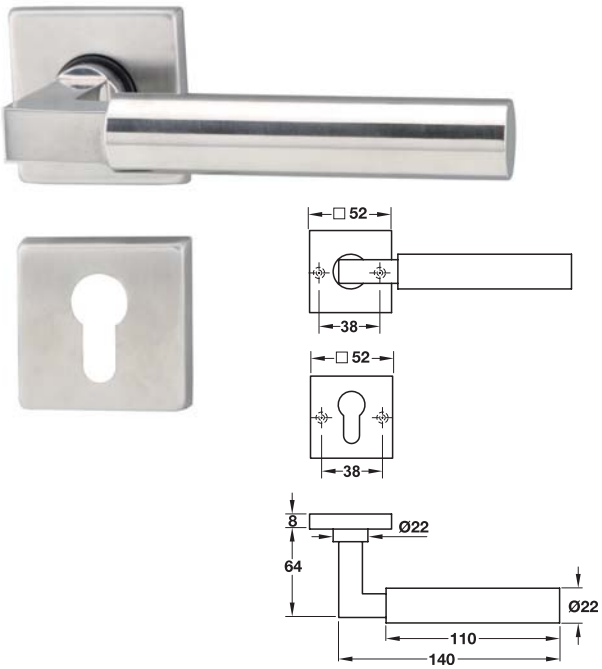
Material/finish	Cat. No.
Stainless steel matt (304)	903.98.636

Packing: 1 set



Material/finish	Cat. No.
Stainless steel matt (304)	903.98.638

Packing: 1 set

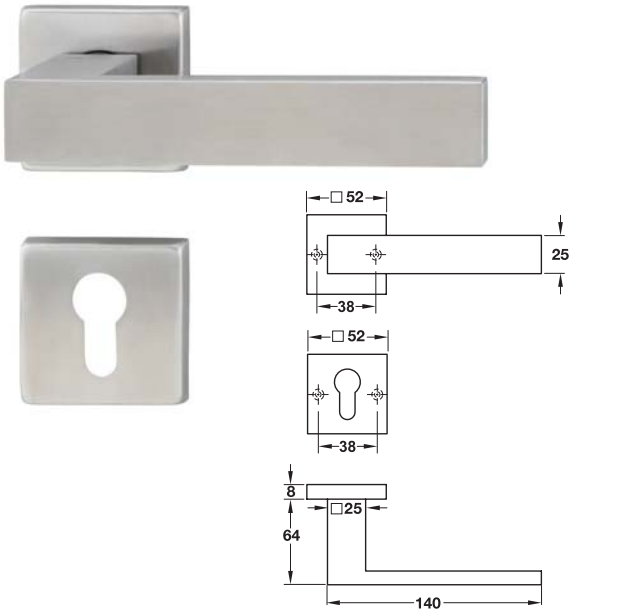


Material/finish	Cat. No.
Stainless steel matt (304)	903.98.637

Packing: 1 set

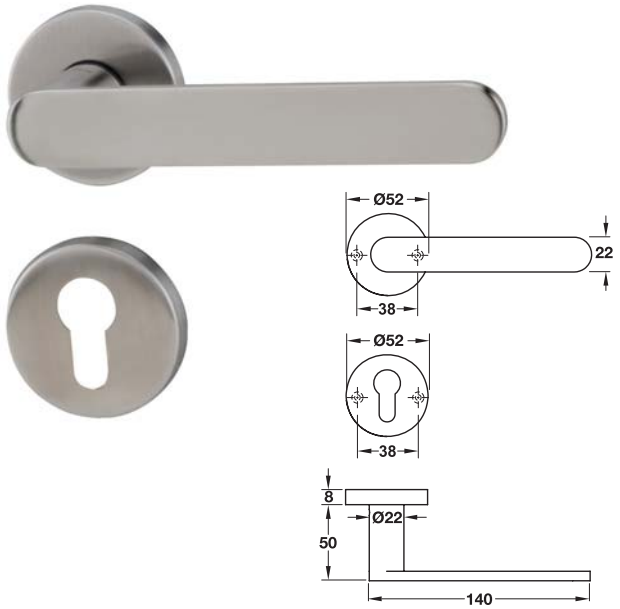
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever handle sets



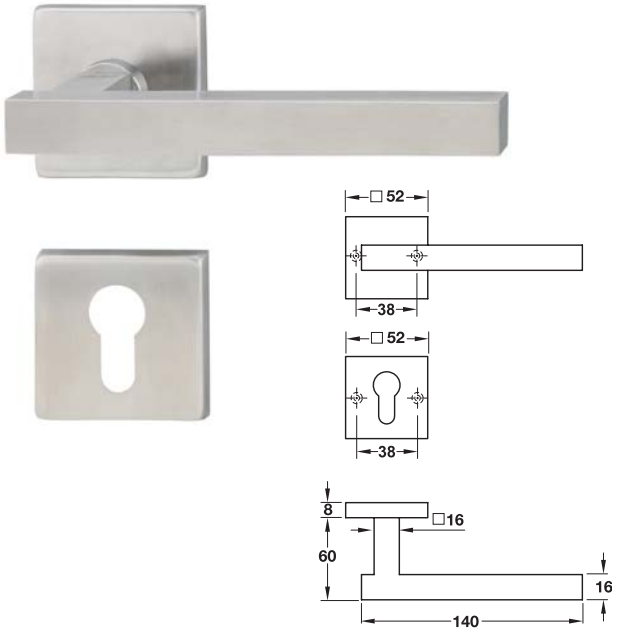
Material/finish	Cat. No.
Stainless steel matt (304)	903.98.640

Packing: 1 set



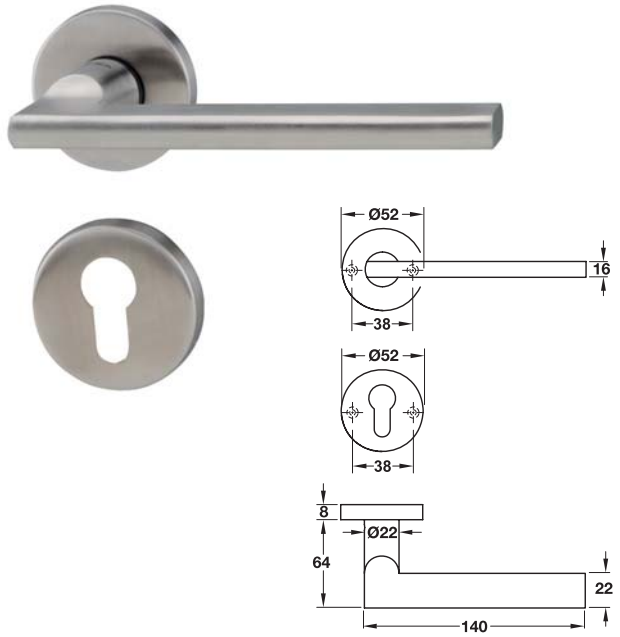
Material/finish	Cat. No.
Stainless steel matt (304)	903.98.642

Packing: 1 set



Material/finish	Cat. No.
Stainless steel matt (304)	903.98.641

Packing: 1 set

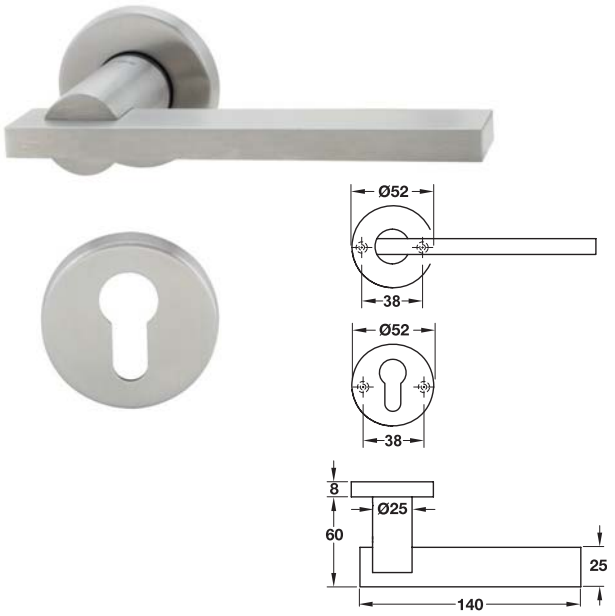


Material/finish	Cat. No.
Stainless steel matt (304)	903.98.643

Packing: 1 set

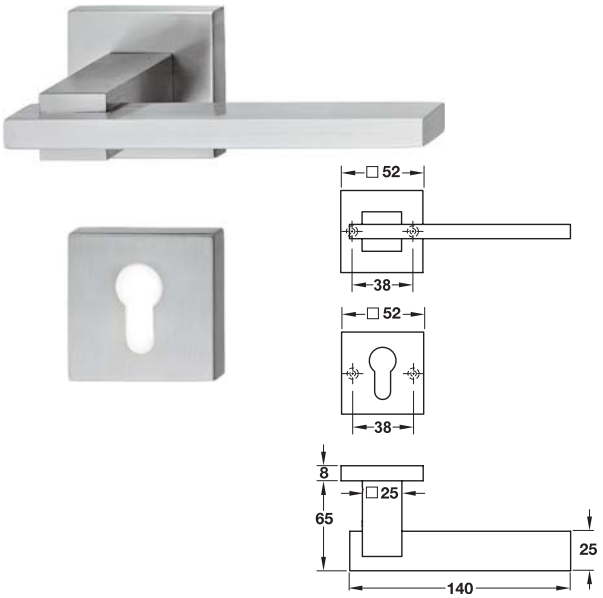
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever handle sets



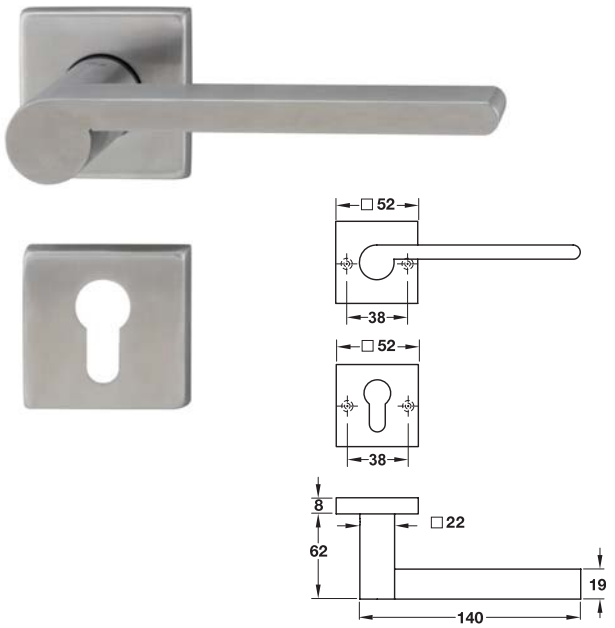
Material/finish	Cat. No.
Stainless steel matt (304)	903.98.644

Packing: 1 set



Material/finish	Cat. No.
Stainless steel matt (304)	903.98.646

Packing: 1 set



Material/finish	Cat. No.
Stainless steel matt (304)	903.98.645

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

1

Individual set components

Lever handle



Material/finish	Cat. No.
Stainless steel matt (304)	902.20.910

Packing: 1 pair incl. spindle



Material/finish	Cat. No.
Stainless steel matt/polished (304)	902.20.914

Packing: 1 pair incl. spindle



Material/finish	Cat. No.
Stainless steel matt (304)	902.20.916

Packing: 1 pair incl. spindle



Material/finish	Cat. No.
Stainless steel matt (304)	902.20.922

Packing: 1 pair incl. spindle



Material/finish	Cat. No.
Stainless steel matt (304)	902.20.924

Packing: 1 pair incl. spindle



Material/finish	Cat. No.
Stainless steel matt (304)	902.20.926

Packing: 1 pair incl. spindle

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Individual set components

Lever handle



Material/finish	Cat. No.
Stainless steel matt (304)	902.20.928

Packing: 1 pair incl. spindle



Material/finish	Cat. No.
Stainless steel matt (304)	902.20.930

Packing: 1 pair incl. spindle



Material/finish	Cat. No.
Stainless steel matt (304)	902.20.932

Packing: 1 pair incl. spindle



Material/finish	Cat. No.
Stainless steel matt (304)	902.20.934

Packing: 1 pair incl. spindle

Rose and escutcheon



Material/finish	Cat. No.
Stainless steel matt (304)	902.50.196

Packing: 1 pair



Material/finish	Cat. No.
Stainless steel matt (304)	902.52.196

Packing: 1 pair

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

1

Individual set components

Rose and escutcheon



Material/finish	Cat. No.
Stainless steel matt (304)	902.55.196

Packing: 1 pair



Material/finish	Cat. No.
Stainless steel matt (304)	902.53.204

Packing: 1 pc



Material/finish	Cat. No.
Stainless steel matt (304)	902.50.194

Packing: 1 pair



Material/finish	Cat. No.
Stainless steel matt (304)	902.52.194

Packing: 1 pair



Material/finish	Cat. No.
Stainless steel matt (304)	902.55.194

Packing: 1 pair



Material/finish	Cat. No.
Stainless steel matt (304)	902.53.206

Packing: 1 pc



Material/finish	Cat. No.
Stainless steel matt (304)	902.50.202

Packing: 1 pair

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Individual set components

Rose and escutcheon



Material/finish	Cat. No.
Stainless steel matt (304)	902.52.202

Packing: 1 pair



Material/finish	Cat. No.
Stainless steel matt (304)	902.55.202

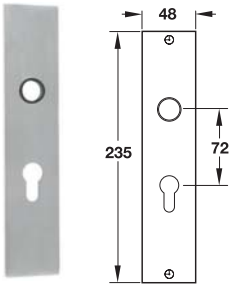
Packing: 1 pair



Material/finish	Cat. No.
Stainless steel matt (304)	902.53.208

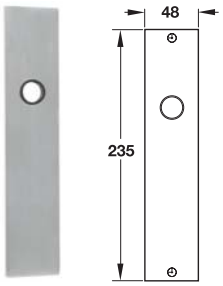
Packing: 1 pc

Long backplate



Material/finish	Cat. No.
Stainless steel matt (304)	902.66.012

Packing: 1 pair



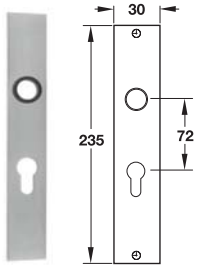
Material/finish	Cat. No.
Stainless steel matt (304)	903.60.440

Packing: 1 pair

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

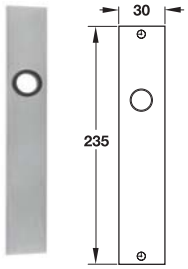
Individual set components

Long backplate



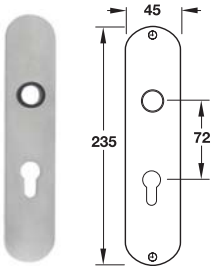
Material/finish	Cat. No.
Stainless steel matt (304)	902.66.014

Packing: 1 pair



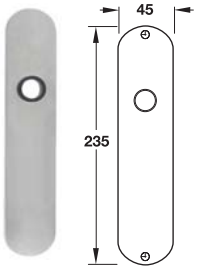
Material/finish	Cat. No.
Stainless steel matt (304)	903.60.442

Packing: 1 pair



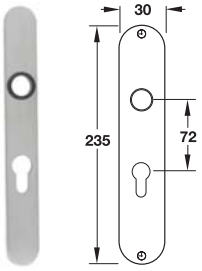
Material/finish	Cat. No.
Stainless steel matt (304)	902.66.016

Packing: 1 pair



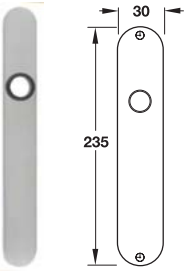
Material/finish	Cat. No.
Stainless steel matt (304)	903.60.444

Packing: 1 pair



Material/finish	Cat. No.
Stainless steel matt (304)	902.66.018

Packing: 1 pair



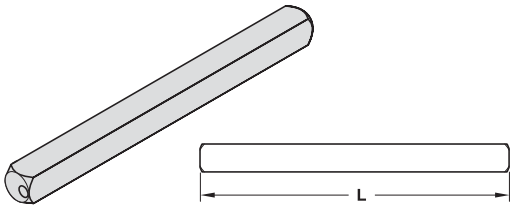
Material/finish	Cat. No.
Stainless steel matt (304)	903.60.446

Packing: 1 pair

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

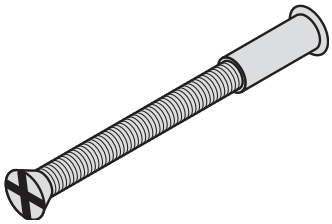
Accessories for lever handle set

Spindle, square



Length L mm	Cat. No.
100	909.00.854
110	909.00.855
120	909.00.856

Mounting screw



For door thickness mm	Screw length mm	Cat. No.
35–40	45	909.00.857

Hexagon socket screw M6



Diameter mm	Cat. No.
6	909.46.090

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

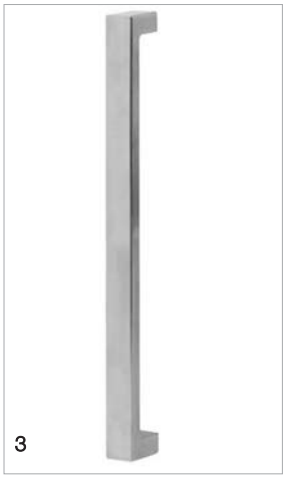
The FUJI Pull handle series StarTec

How to recognise original StarTec FUJI door handle sets


1


2


2


3


3

1 The Häfele logo is visible on the pull handles

2 Bolt through screw fixing for long period of time

3 Modern design

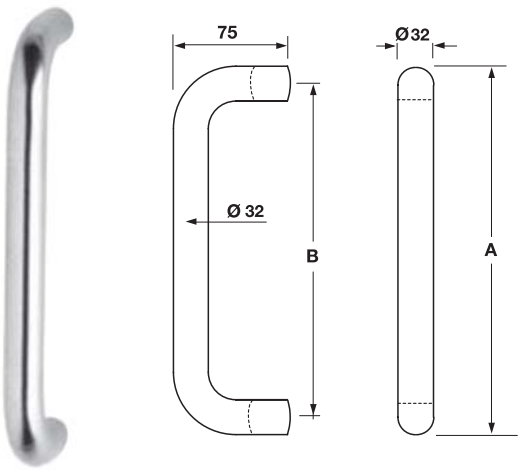
Additional features:

- Made of stainless steel



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

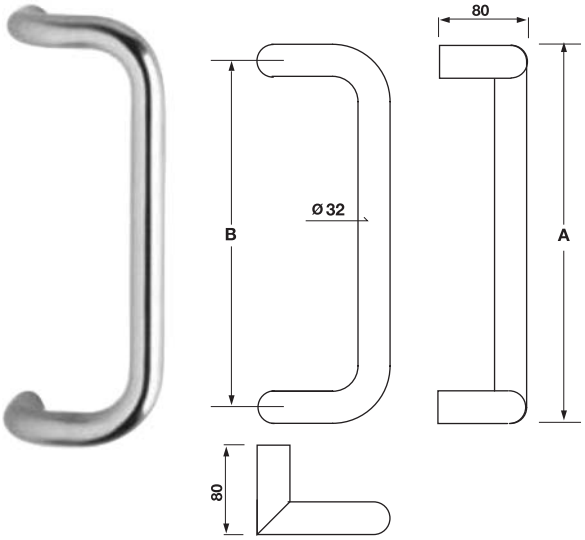
1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	330	300	903.07.910

Packing: 1 pair incl. fixing material



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

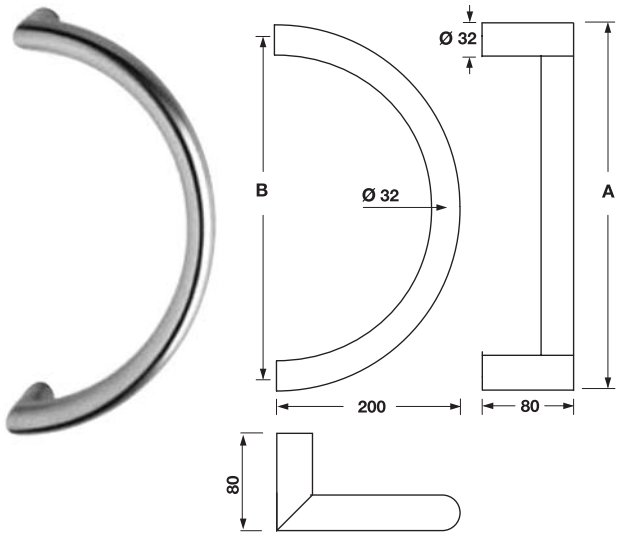
Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	330	300	903.07.900

Packing: 1 pair incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

1

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

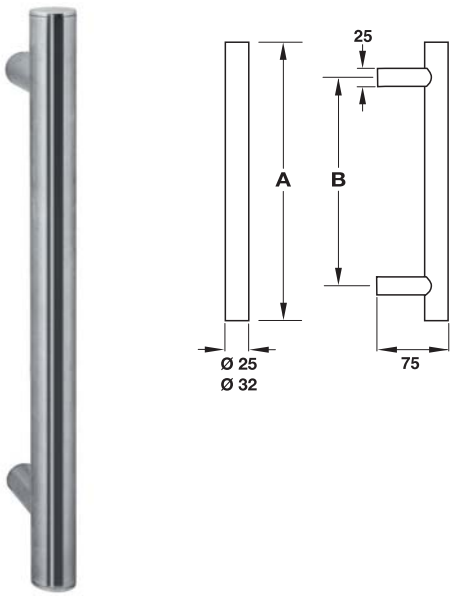
1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	330	300	903.07.920

Packing: 1 pair incl. fixing material



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

1 Set pull handles

1 Set screws for glass door

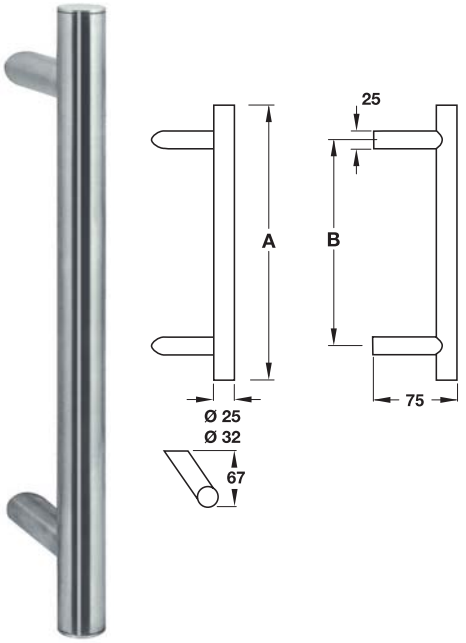
1 Set screws for wooden door

Material/finish	Ø mm	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	25	300	200	903.06.018
		450	300	903.06.020
		600	400	903.06.028
	32	300	200	903.05.790
		450	300	903.05.791
		600	400	903.05.792
		1,200	1,000	903.05.793
		1,600	1,400	903.05.794
		2,000	1,800	903.05.795

Packing: 1 pair incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

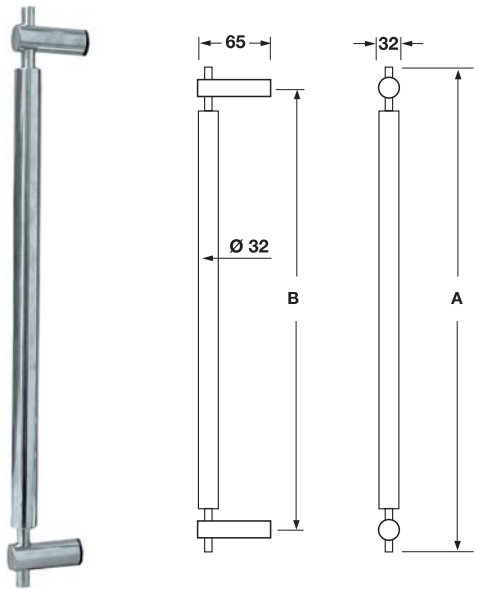
1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

Material/finish	Ø mm	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	25	300	200	903.03.650
		450	300	903.03.652
		600	400	903.03.654
	32	300	200	903.05.890
		450	300	903.05.891
		600	400	903.05.892
		1,200	1,000	903.05.893
		1,600	1,400	903.05.894
		2,000	1,800	903.05.895

Packing: 1 pair incl. fixing material



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø13 mm

Supplied with

1 Set pull handles

1 Set screws for glass door

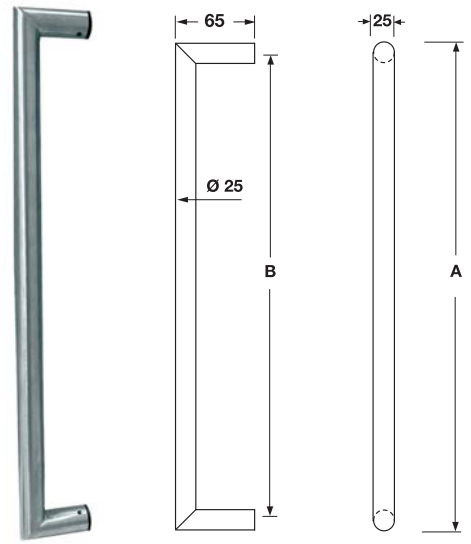
1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	635	600	903.00.696

Packing: 1 pair incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø13 mm

Supplied with

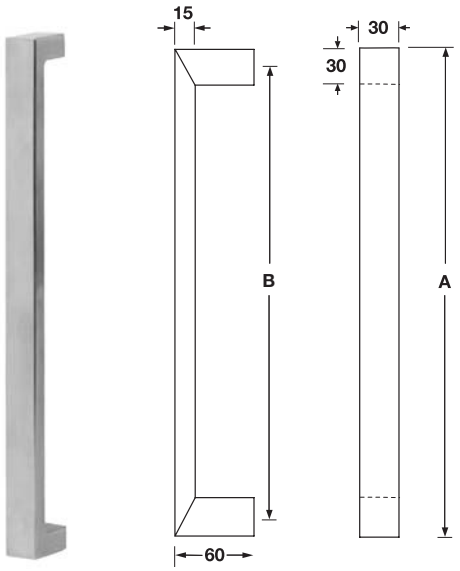
1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	525	500	903.00.685

Packing: 1 pair incl. fixing material



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

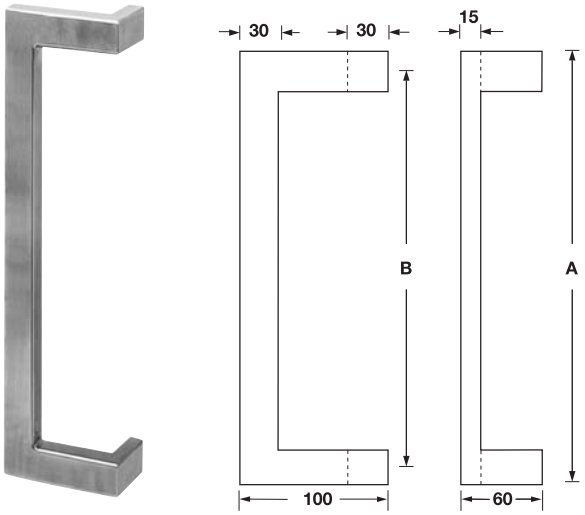
Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	480	450	903.00.070
	630	600	903.00.074
	1,030	1,000	903.00.078

Packing: 1 pair incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

HÄFELE

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

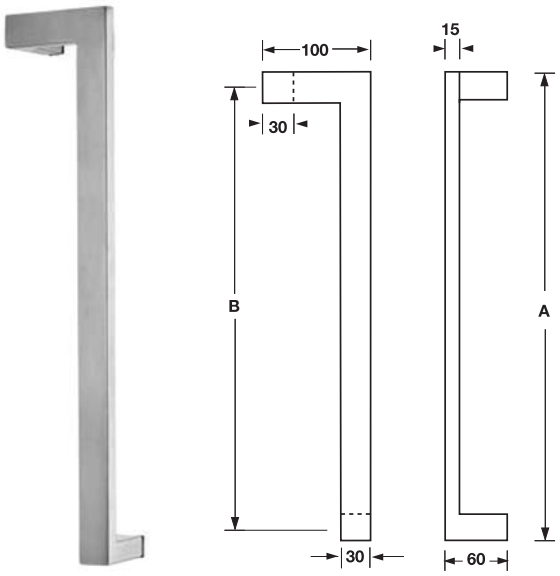
1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	480	450	903.00.170
	630	600	903.00.174
	1,030	1,000	903.00.178

Packing: 1 pair incl. fixing material



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8 x 70 mm
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

1 Set pull handles

1 Set screws for glass door

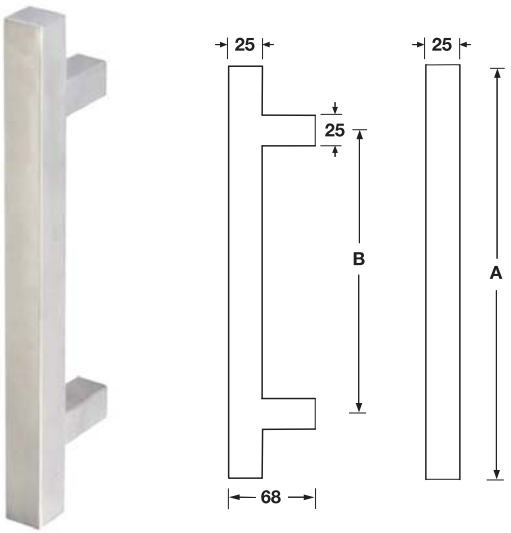
1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	480	450	903.99.358

Packing: 1 pair incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

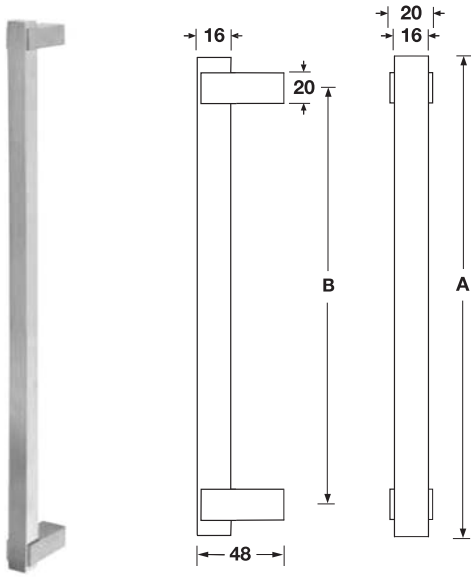
1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel satin	450	300	903.00.942
	600	400	903.00.944
	1,000	800	903.00.946
	1,200	1,000	903.00.948

Packing: 1 pair incl. fixing material



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

1 Set pull handles

1 Set screws for glass door

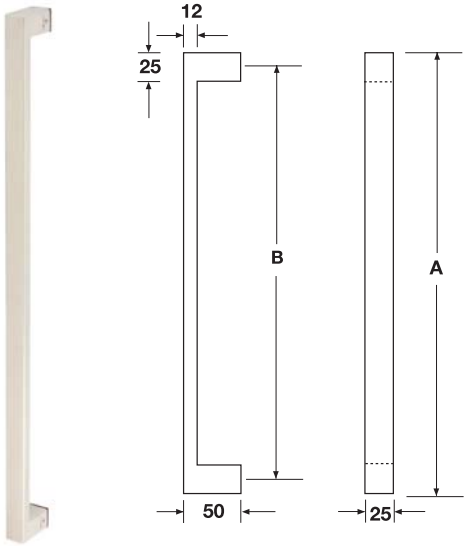
1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No. รหัสสินค้า
Stainless steel satin	482	450	903.00.912
	632	600	903.00.914

Packing: 1 pair incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø13 mm

Supplied with

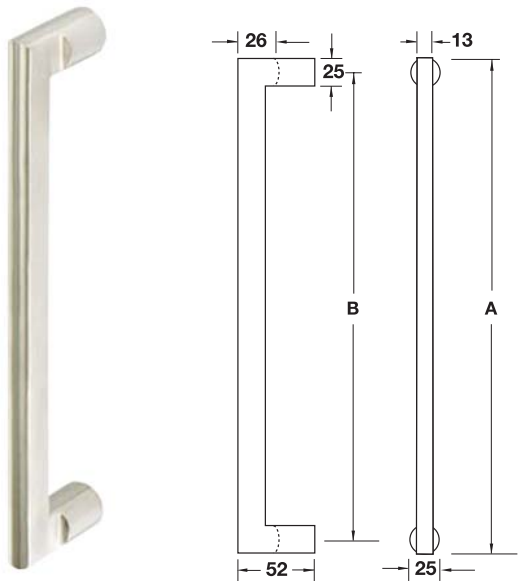
1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	475	450	903.00.972
	625	600	903.00.974

Packing: 1 pair incl. fixing material



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

1 Set pull handles

1 Set screws for glass door

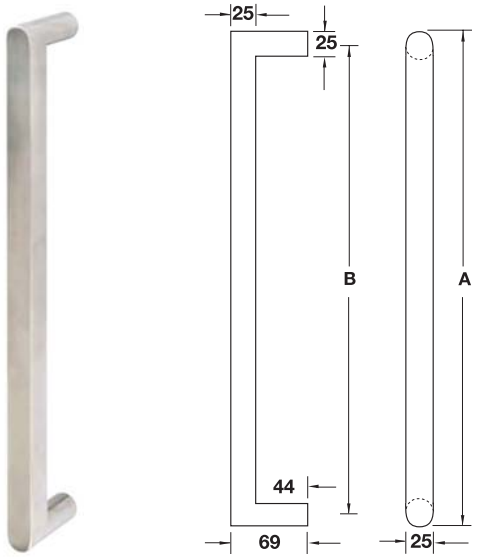
1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	325	300	903.00.870
	625	600	903.00.874

Packing: 1 pair incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

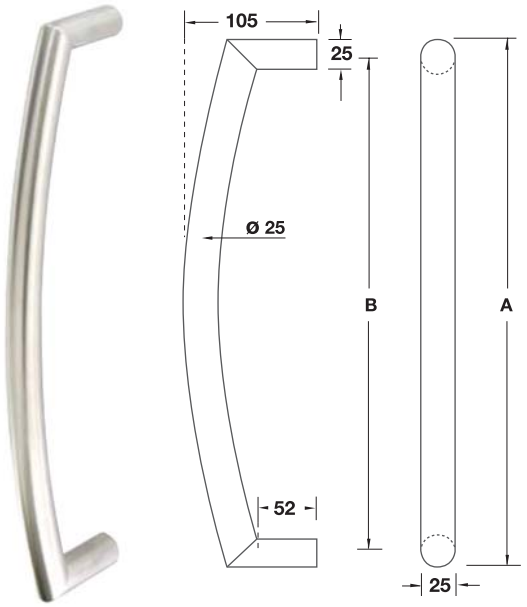
1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	425	400	903.00.882
	625	600	903.00.884

Packing: 1 pair incl. fixing material



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

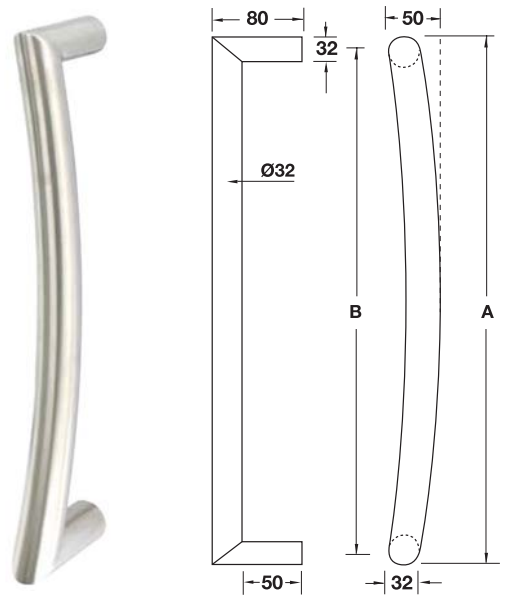
Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	475	450	903.05.762
	625	600	903.05.764

Packing: 1 pair incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

HÄFELE

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

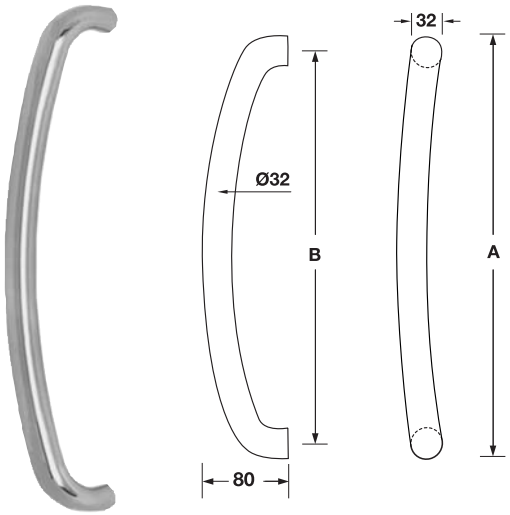
1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B m	Cat. No.
Stainless steel matt	482	450	903.05.752
	632	600	903.05.754

Packing: 1 pair incl. fixing material



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø13 mm

Supplied with

1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

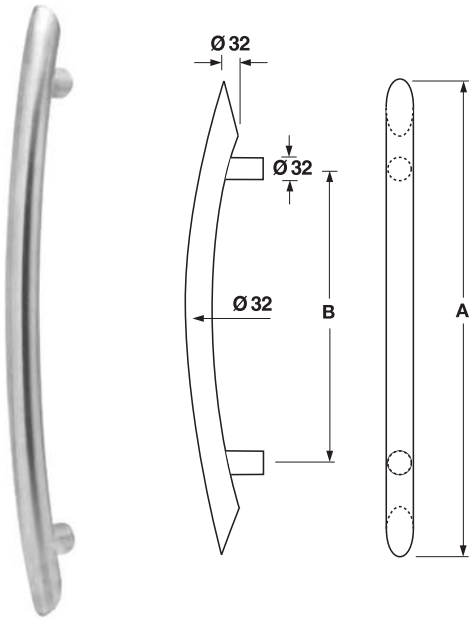
Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	482	450	903.05.800
	632	600	903.05.810

Packing: 1 pair incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

1

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

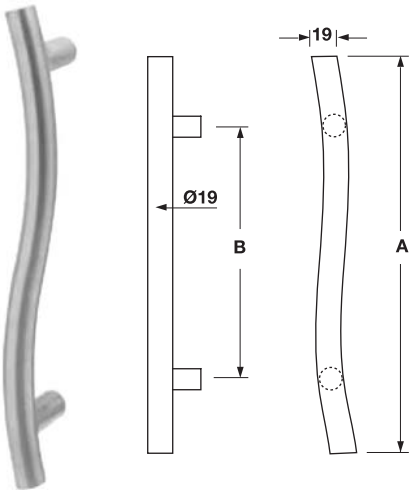
1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	600	450	903.00.090

Packing: 1 pair incl. fixing material



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

1 Set pull handles

1 Set screws for glass door

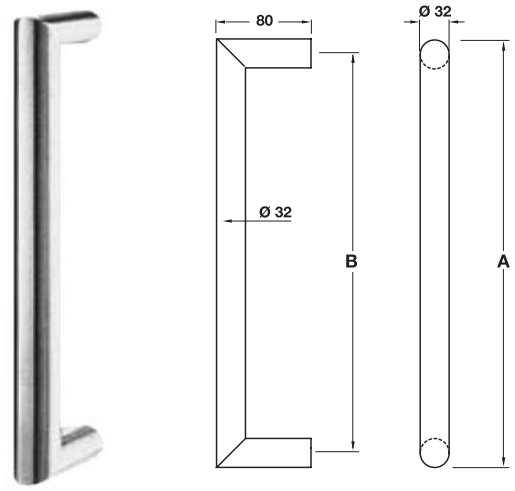
1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	300	225	903.00.080

Packing: 1 pair incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

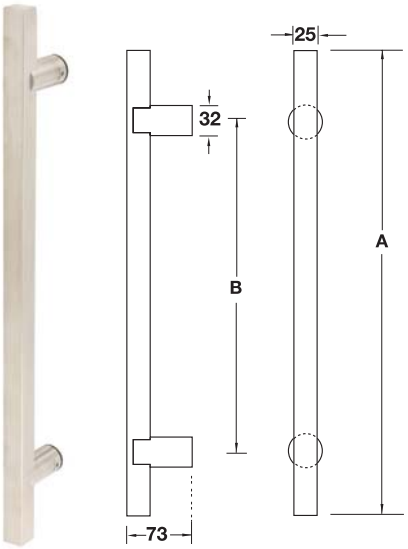
1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	332	300	903.05.850
	482	450	903.05.860
	632	600	903.05.870

Packing: 1 pair incl. fixing material



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

1 Set pull handles

1 Set screws for glass door

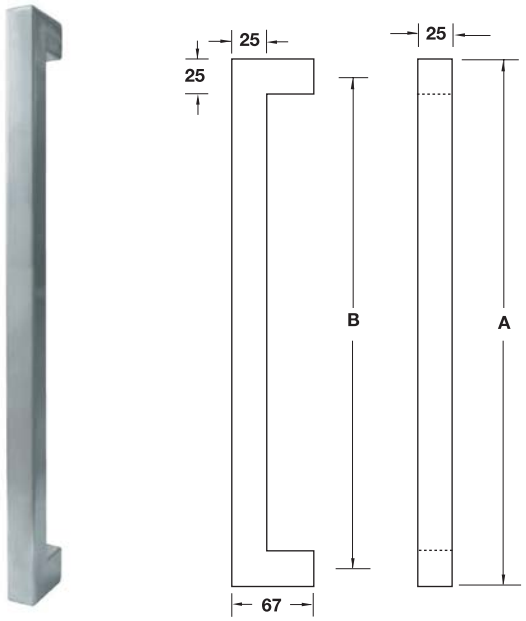
1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	600	450	903.00.932
	750	600	903.00.934
	1150	1000	903.00.937

Packing: 1 pair incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm
- Glass cut out for fix bolt Ø14 mm

Supplied with

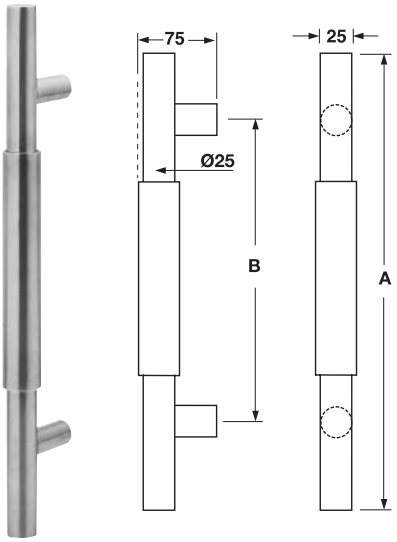
1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	475	450	903.03.640
	625	600	903.03.642
	1,025	1,000	903.03.644

Packing: 1 pair incl. fixing material



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50 mm

Supplied with

1 Set pull handles

1 Set screws for glass door

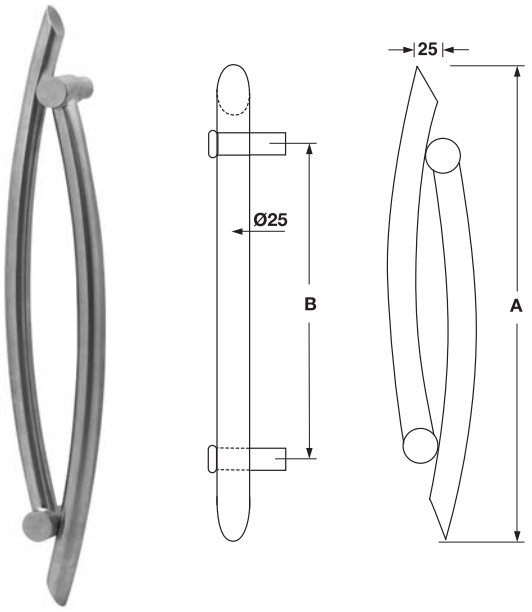
1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	550	400	903.00.100

Packing: 1 pair incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M6
- For door thickness: 8–50 mm

Supplied with

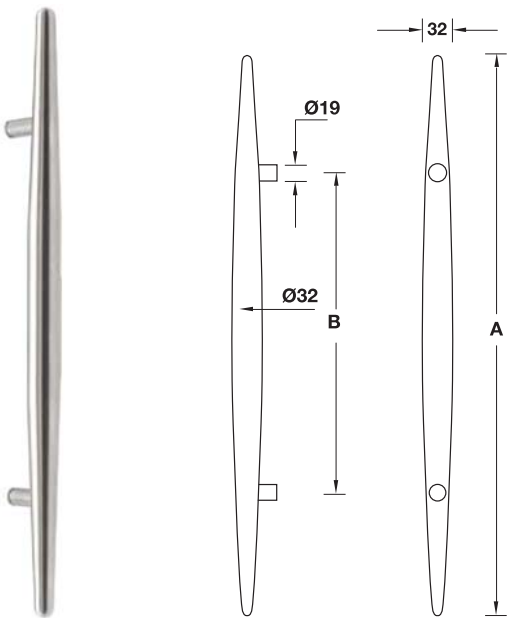
1 Set pull handles

1 Set screws for glass door

1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	625	450	903.00.160

Packing: 1 pair incl. fixing material



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8 x 70 mm
- For door thickness: 8–50 mm

Supplied with

1 Set pull handles

1 Set screws for glass door

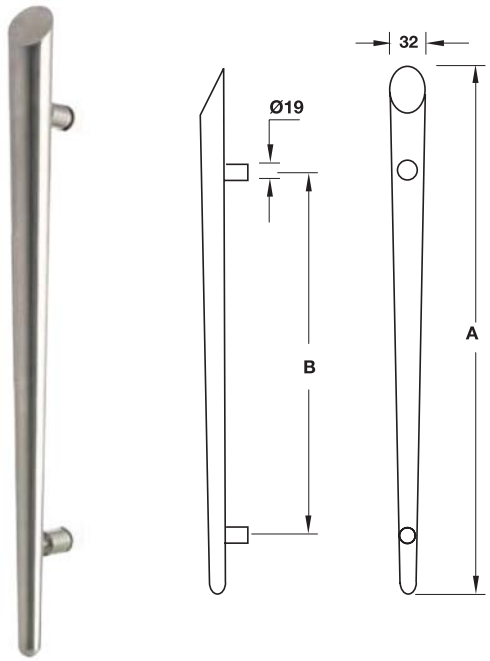
1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	600	370	903.99.323

Packing: 1 pair incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle sets



Features

- For glass, aluminium or timber door with back to back fixings
- Screw M8 x 70 mm
- For door thickness: 8–50 mm

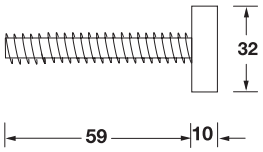
Supplied with

1 Set pull handles
1 Set screws for glass door
1 Set screws for wooden door

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel matt	450	300	903.99.340

Packing: 1 pair incl. fixing material

Single side fixing bolt for pull handle



Material/finish	Screw M8	Screw M6
Stainless steel matt	909.00.926	909.00.927
Stainless steel polished	909.00.942	–

Packing: 1 pc. (Pull handle use 2 pcs.)

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

1

The MATTERHORN Grip handle series StarTec

How to recognise original StarTec MATTERHORN door handle sets


1


2


3


4

1 The Häfele logo is visible on the cylinder
2 Big oval knob from inside
3 Following american hardware specifications
4 Modern design

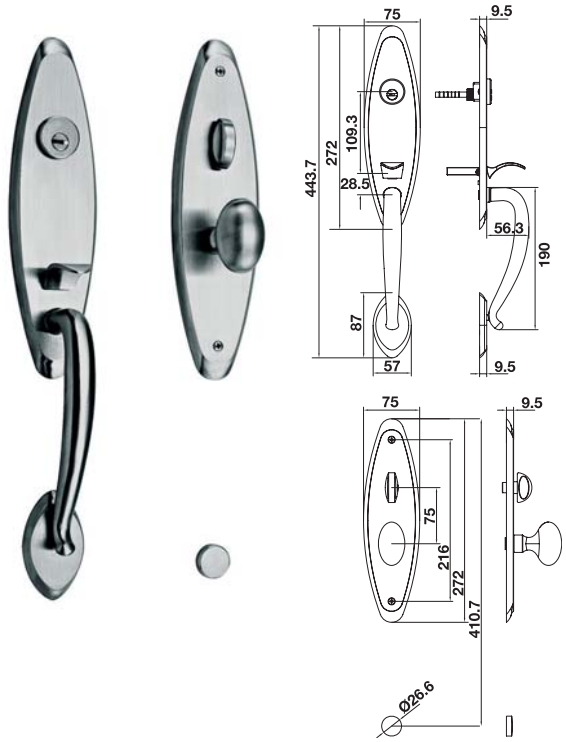
Additional features:

- Made of stainless steel (304)
- For door thicknesses of 38–60 mm
- Backset: 60 mm



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Grip handle set



Features

- For flush timber doors
- Suitable for DIN left and DIN right hand

Technical data

- For door thickness: 38–60

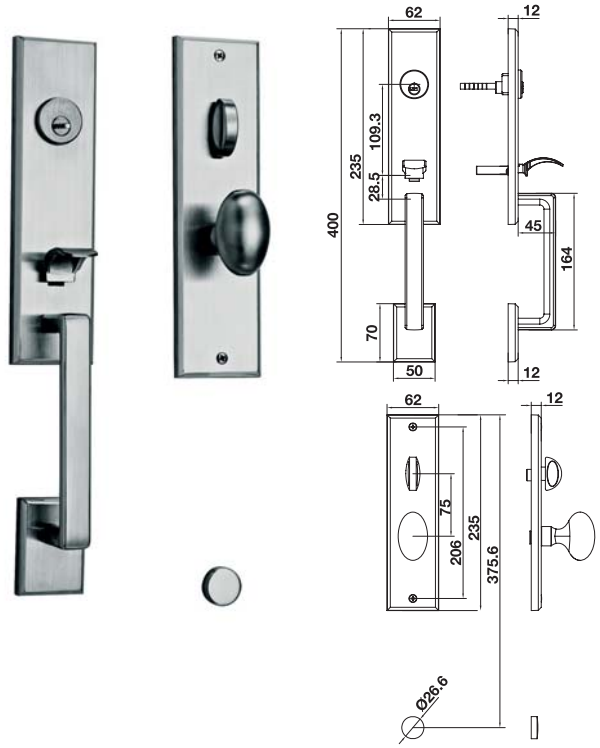
Supplied with

1 Pair of grip handles

1 Set of fixing material

Material/finish	Entrance & Dummy
Stainless steel matt	911.78.314
Stainless steel polished	911.78.315

Packing: 1 set



Features

- For flush timber doors
- Suitable for DIN left and DIN right hand

Technical data

- For door thickness 38–60

Supplied with

1 Pair of grip handles

1 Set of fixing material

Material/finish	Entrance & Dummy
Stainless steel matt	911.78.316
Stainless steel polished	911.78.317

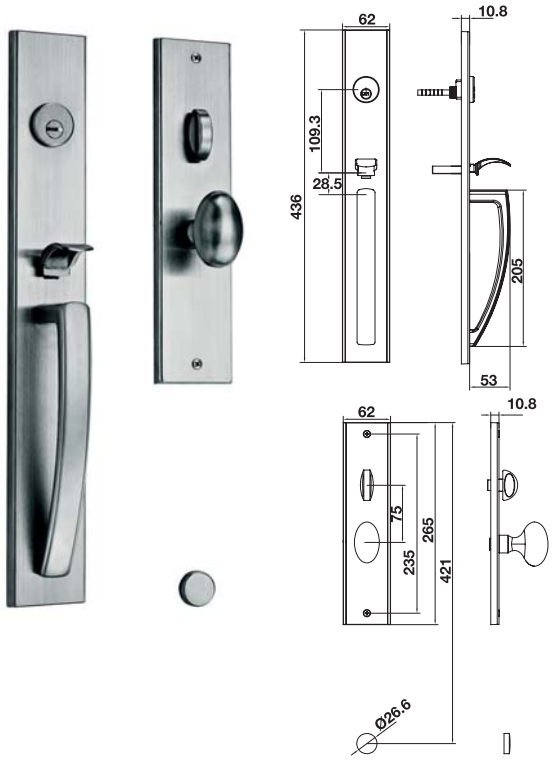
Packing: 1 set

Order reference

Cylinder and mortise lock ..... page 1.43

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Grip handle set



Features

- For flush timber doors
- Suitable for DIN left and DIN right hand

Technical data

- For door thicknesses: 38–60

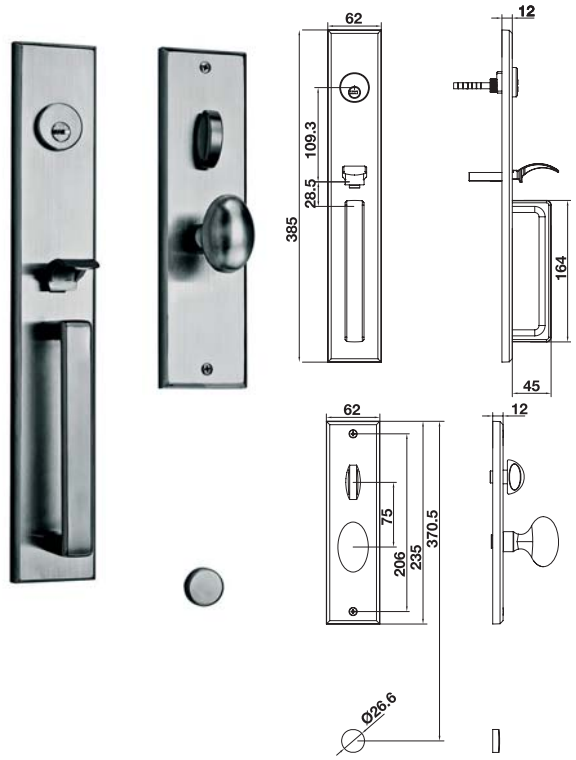
Supplied with

1 Pair of grip handles

1 Set of fixing material

Material/finish	Entrance & Dummy
Stainless steel matt	911.78.320
Stainless steel polished	911.78.321

Packing: 1 set



Features

- For flush timber doors
- Suitable for DIN left and DIN right hand

Technical data

- For door thickness 38–60

Supplied with

1 Pair of grip handles

1 Set of fixing material

Material/finish	Entrance & Dummy
Stainless steel matt	911.78.318
Stainless steel polished	911.78.319

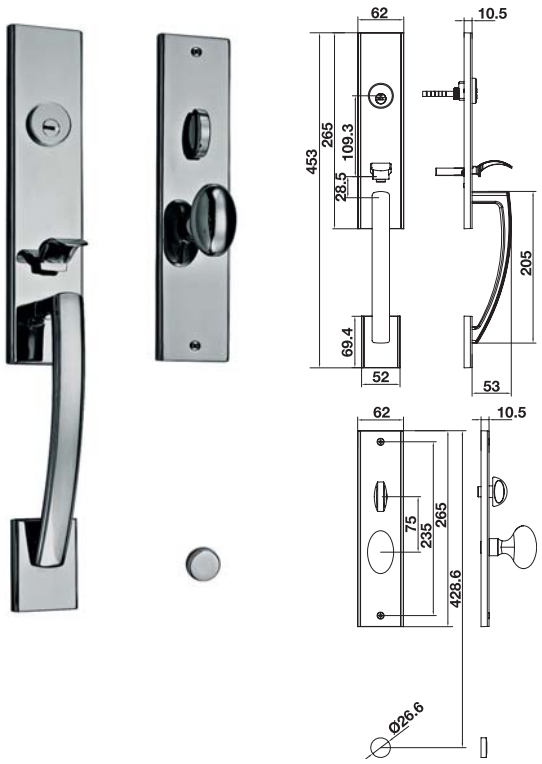
Packing: 1 set

Order reference

Cylinder and mortise lock ..... page 1.43

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Grip handle set



Features

- For flush timber doors
- Suitable for DIN left and DIN right hand

Technical data

- For door thicknesses: 38–60

Supplied with

1 Pair of grip handles

1 Set of fixing material

Material/finish	Entrance & Dummy
Stainless steel matt	911.78.322
Stainless steel polished	911.78.323

Packing: 1 set

Order reference

Cylinder and mortise lock ..... page 1.43

Accessories

Mortise lock for grip handle, backset 60 mm



Material/finish	Cat. No.
Stainless steel matt	911.02.140
Stainless steel polished	911.02.141

Packing: 1 pc.

Cylinder



Supplied with

1 Round key

5 Owner key

1 Construction key

Material/finish	Cat. No.
Stainless steel matt	916.86.902
Stainless steel polished	916.86.903

Blind rose for dummy function version



Blind rose	Cat. No.
Stainless steel matt	916.86.904
Stainless steel polished	916.86.905

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Resista® - HOPPE's surface guarantee



Resista® 10 years' surface guarantee

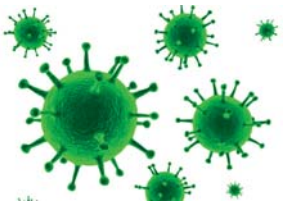
HOPPE® Handle of excellence. by HÄFELE

HOPPE Resista® hardware has a 10-year surface guarantee (PVD coating).
They are therefore ideal for costal areas and highly frequented area such as public buildings, shop and hotels.

Care

Dirt can be easily removed with a damp cloth.
The use of caustic cleansers or chemicals should be avoided. No further special care is needed.

SecuSan - HOPPE's antimicrobial surface coating



The new hygiene standard
SecuSan
Clinically tested

SecuSan is highly effective due to the fast action of its antimicrobial properties. Hardware with this surface is thus especially suitable for use in medical and nursing facilities, e.g. in hospitals, medical centres, pharmacies, care homes, nurseries, schools, institutes or public buildings. Wherever hygiene protection needs to act fast while remaining highly cost-effective and environmentally considerate.

It's high level of hygienic safety has been confirmed independent laboratory and practical tests. For more information please check with our sales representative.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

HOPPE Quick-Fit connection

Quick-fit - Hoppe's spindle fixing method

With normal door handle installation, lots of steps have to be taken, quite often not without awkward fumbling. This is tedious and takes time. What is infinitely better is the HOPPE quick-fit connection.
With its advanced technology, door handles can be installed in one simple step - and to last!

The key point of the new technology is the blocking mechanism, developed by HOPPE, in the receiver handle. This holds the solid spindle of the other handle firmly and without play. It's with the whole width of the spindle that maximum torque transmission is achieved.
The HOPPE quick-fit connection is a variable axial handle fitting, tested according to DIN EN 1906 and can be used for various door thicknesses (in a defined area).



Quick-Fit

The advantages of the HOPPE quick-fit connection at a glance:

- Very quick door handle fitting: around 75% time saving compared with normal fitting
- No Allen screw or transverse spindles needed
  - No hole for Allen screw needed
  - No alignment of the spindle necessary when tightening the Allen screw
  - No loosening of the Allen screw or spindle possible
- Integrated blocking mechanism in the receiver handle
  - No tools needed for installation
  - Play-free handle connection
  - Long-lasting, firm fitting of the door handles
- Use of a solid spindle
  - Solid spindle for maximum torque transmission
- Variable axial handle fitting tested to DIN EN 1906
  - can be used for various door-thicknesses (in a defined area)
- Easy and quick removal of door handles
  - eg, with the Allen key included or a screwdriver

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Quick-Fit plus HOPPE's rose fixing method

HOPPE Quick-Fit^{plus} is the logical further development of the innovative HOPPE Quick-Fit connection.It is not just the door handles which can be fitted easily without screws and almost no tools, but rose and escutcheon, too. The new quick-fit sets are striking with their almost flat, flush rose design.

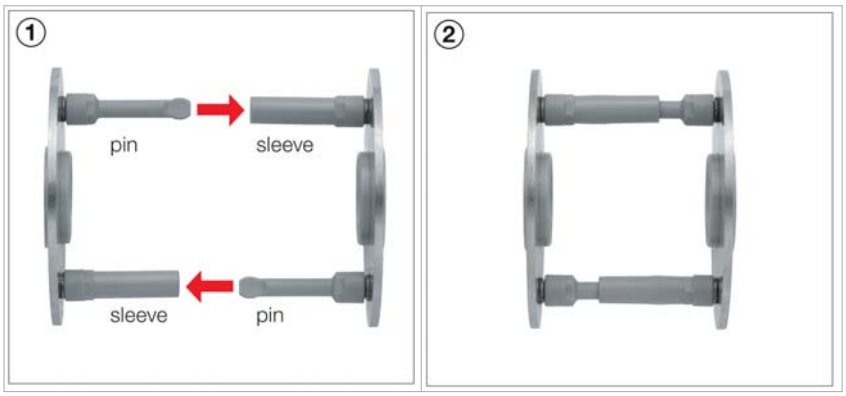
Modern and appealing design

The new quick fit^{plus} sets go very well with the current trends in design. The stainless steel roses, which are only 2mm thick, come in round or square shapes virtually flush with the door.

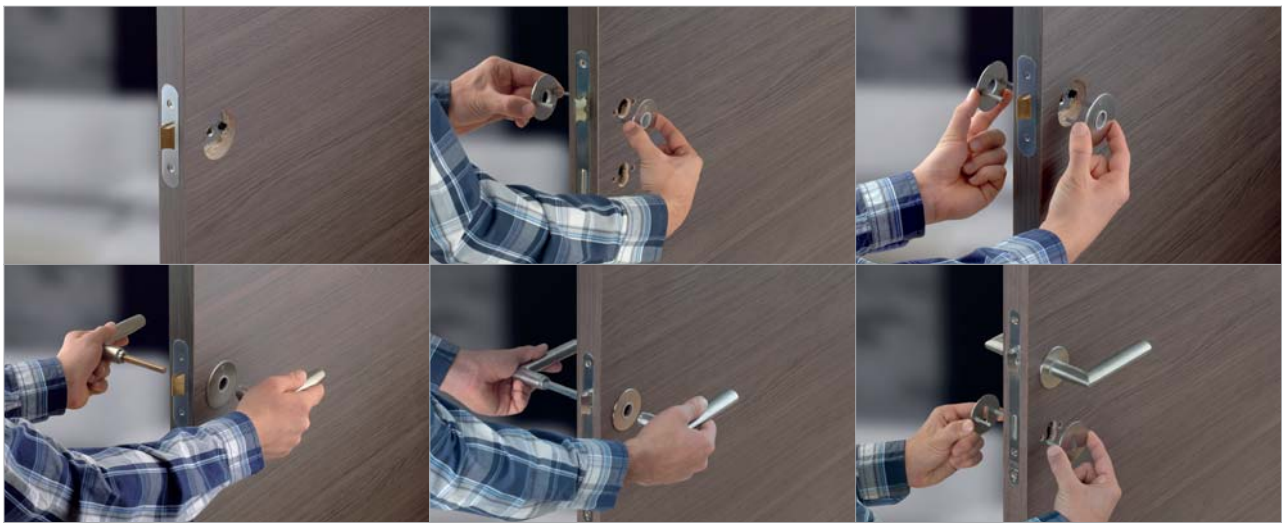
Easy and quick fitting

The handle roses with through-going supporting lugs and door handles are simply fitted together, with the whole set able to be installed without the need for screws.

The through-going supporting lugs of the handle roses consist of a nylon pin and sleeve each. By plugging one into the other a play-free and firm fixing is produced.

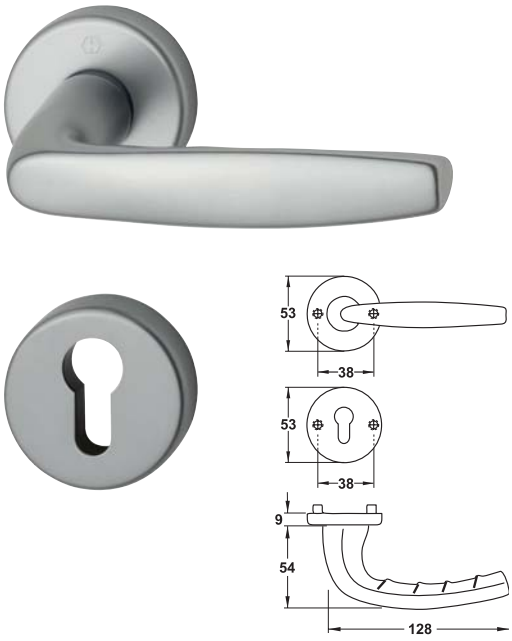


Quick-FitPlus



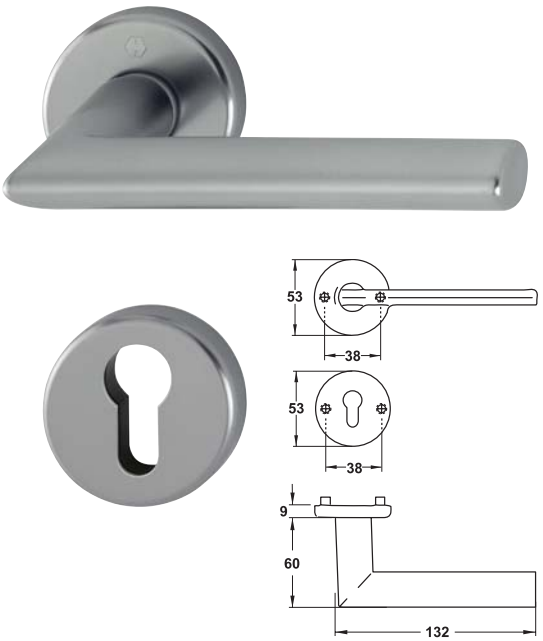
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever handle sets

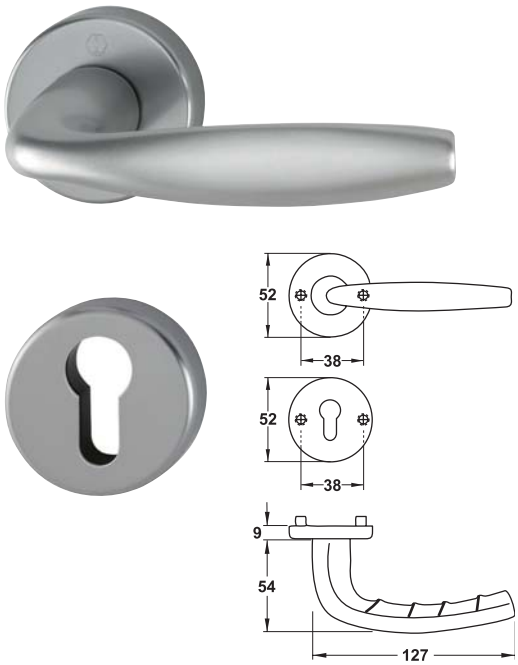


Material/finish	Cat. No.
Aluminium silver coloured	904.92.020
Aluminium stainless steel coloured	904.92.040

Packing: 1 set

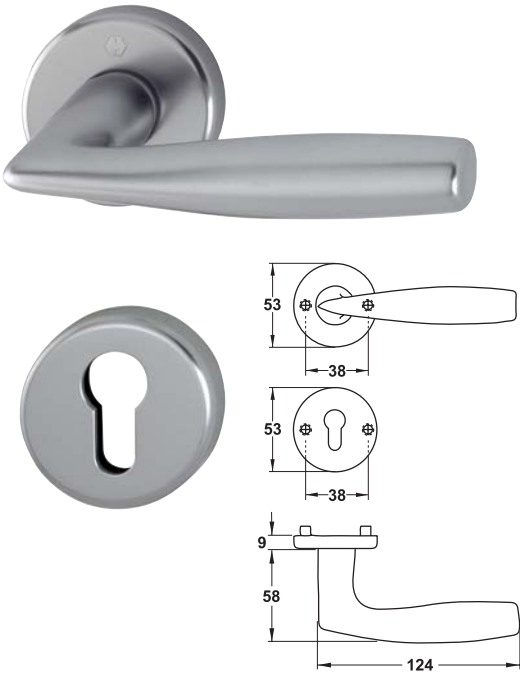


Material/finish	Cat. No.
Aluminium silver coloured	905.82.039
Aluminium stainless steel coloured	905.82.040



Material/finish	Cat. No.
Aluminium silver coloured	904.92.056
Aluminium stainless steel coloured	904.92.057

Packing: 1 set



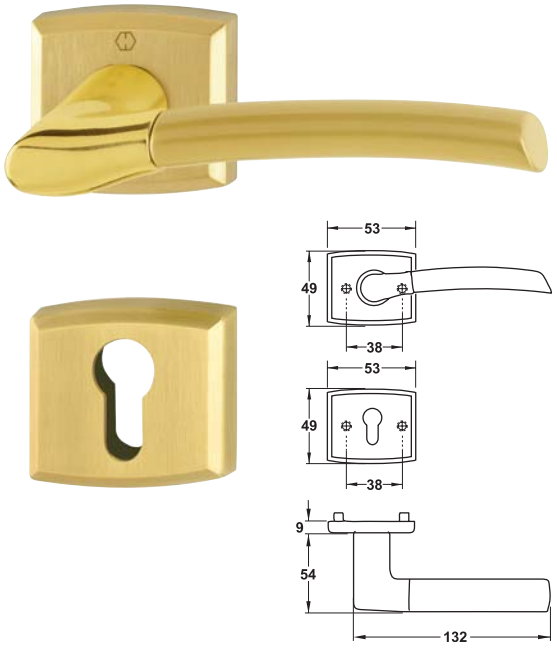
Material/finish	Cat. No.
Aluminium silver coloured	905.82.071
Aluminium stainless steel coloured	905.82.070

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

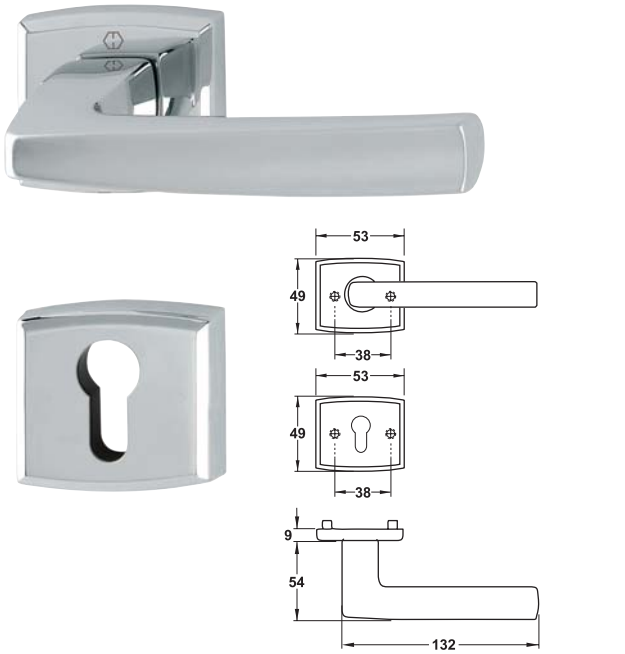
Lever handle sets

Resista® 10 years' surface guarantee



Material/finish	Cat. No.
Brass polished satin PVD	900.92.154

Packing: 1 set



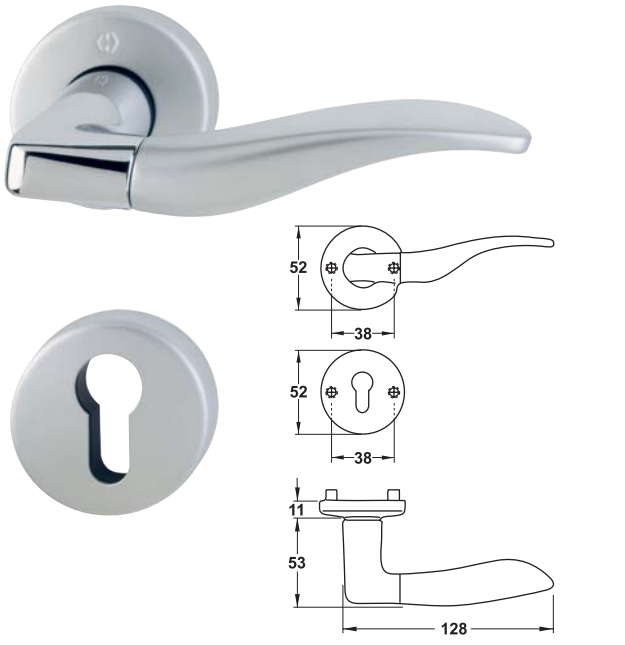
Material/finish	Cat. No.
Brass chrome plated polished/matt	900.92.157

Packing: 1 set



Material/finish	Cat. No.
Brass chrome plated polished satin	900.82.071

Packing: 1 set



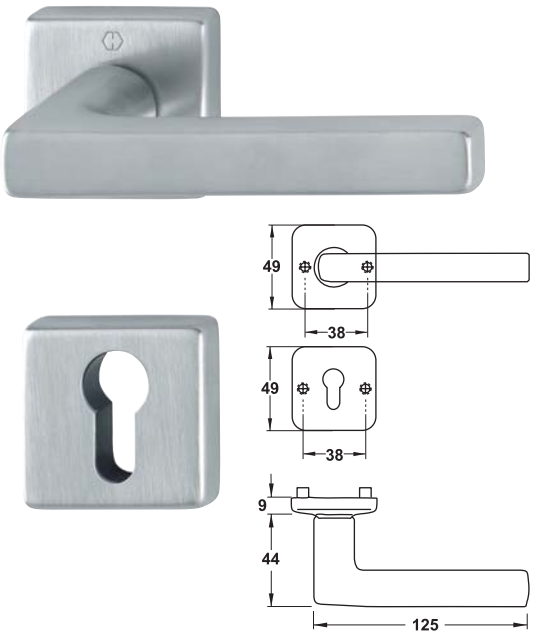
Material/finish	Cat. No.
Brass chrome plated polished satin	900.82.290

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

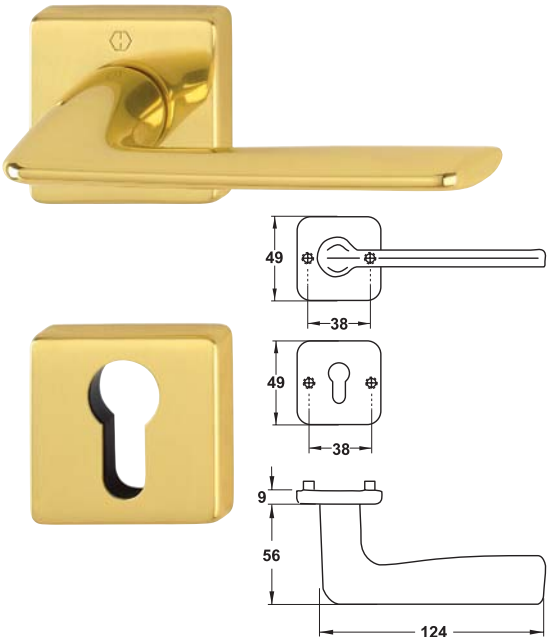
Lever handle sets

Resista® 10 years' surface guarantee



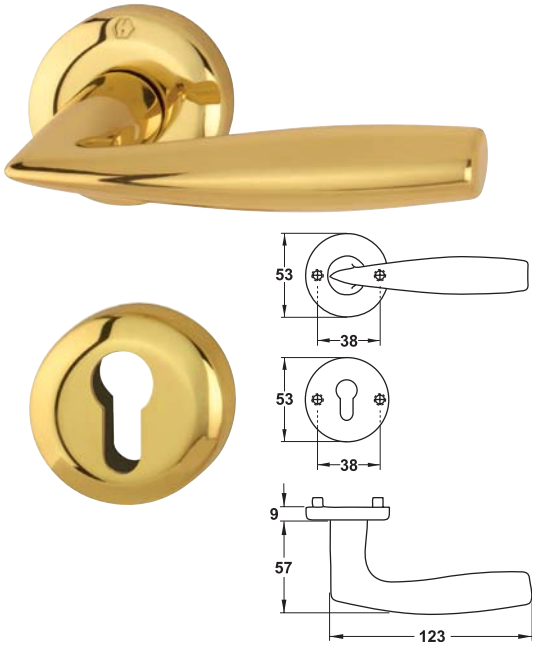
Material/finish	Cat. No.
Brass polished	900.92.196
Brass chrome plated polished satin	900.92.197

Packing: 1 set



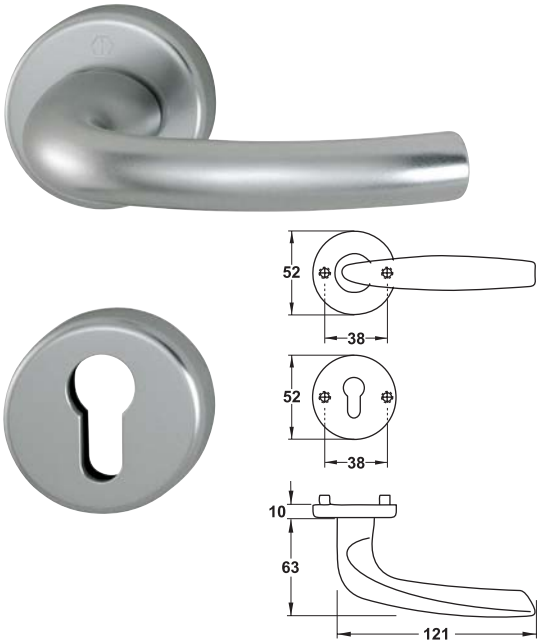
Material/finish	Cat. No.
Brass polished	900.92.190
Brass chrome plated polished satin	900.92.191

Packing: 1 set



Material/finish	Cat. No.
Brass polished	900.92.885
Brass chrome plated polished satin	900.92.424

Packing: 1 set

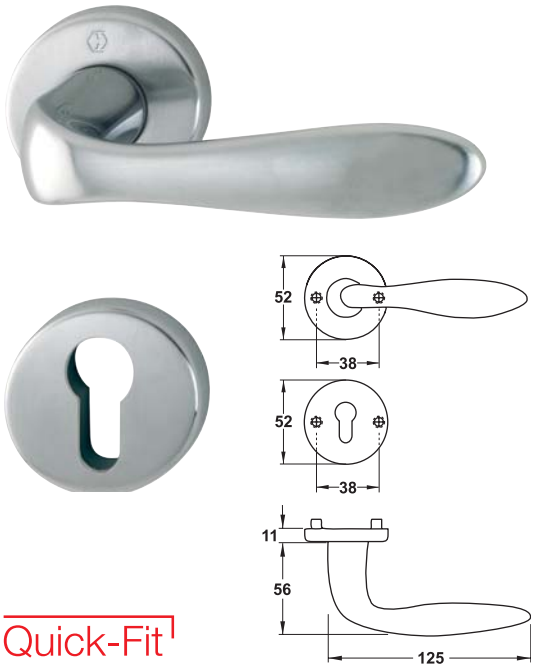


Material/finish	Cat. No.
Brass polished	901.82.250
Brass chrome plated polished satin	901.81.254

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

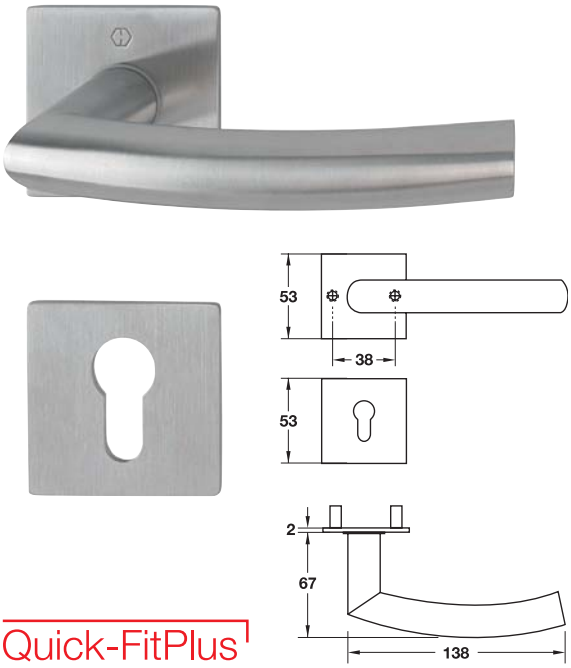
Lever handle sets



Quick-Fit

Material/finish	Cat. No.
Brass chrome plated polished/matt	901.82.174

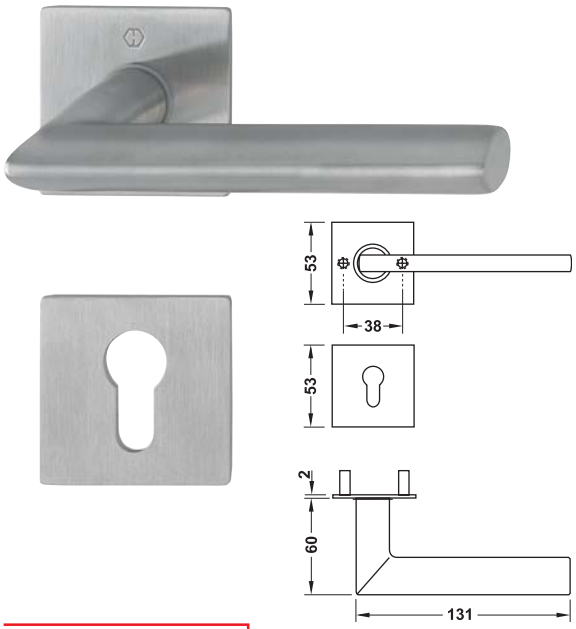
Packing: 1 set



Quick-FitPlus

Material/finish	Cat. No.
Stainless steel matt	902.92.876

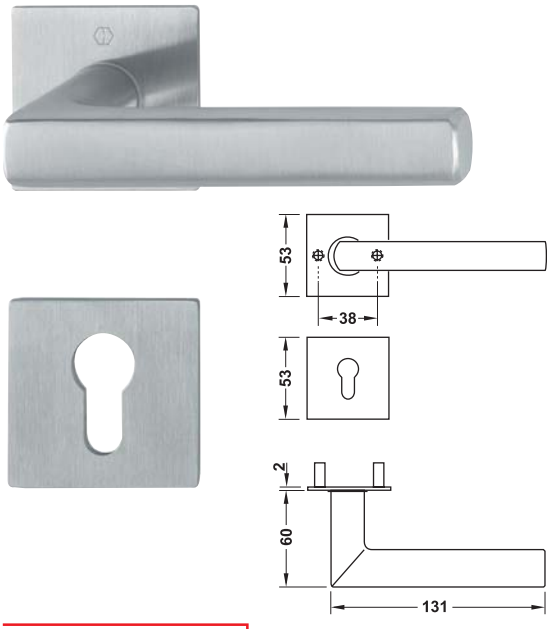
Packing: 1 set



Quick-FitPlus

Material/finish	Cat. No.
Stainless steel matt	902.92.874

Packing: 1 set

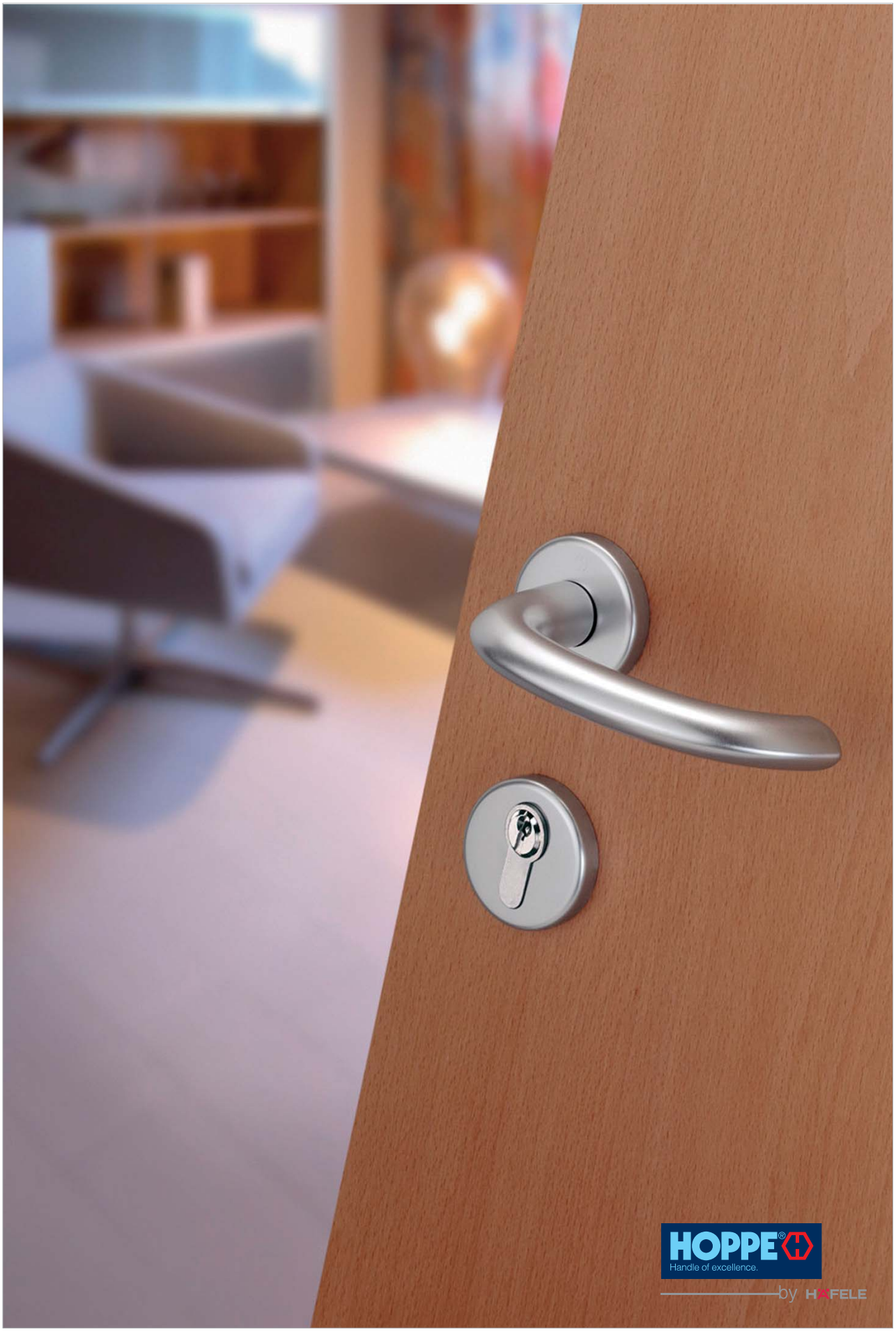


Quick-FitPlus

Material/finish	Cat. No.
Stainless steel matt	902.92.878

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

1

ENRICO CASSINA - Classic lever handles

enrico cassina DAL 1850 by HÄFELE

The Enirico Cassina collection is probably the most complete from the point of view or the classic rigour and was able to grow richer year after year thanks to the continual work of research and selection. The catalogue offers a selection based on the recovery of the different stylistic standards the below are detail of each style.

MANNERISM

There are several different forms and shapes, ex: faces, fruits, ribbons... the overall appearance is rich, full of details and meaning.



Exaggerated faces, monster like faces were very typical of mannerism.



The rectangular form of the plate is softened by roundish elements and tiny details.



The handgrip has a curvy, spiral form and elements that resemble leaves or fruits.

ITALIAN BAROQUE

A style combines spectacle, illusion and grandness in an attempt to arouse emotion and wonder. Widespread use of elliptical and spiral shapes, vibrant and fluent stylistic design. The composition still bears a symmetrical and balanced effect.



Shells appear frequently in decorations as they recall the mythologica Gods of the sea.



The handle has a curviliner movement and design that evolves along the handgrip.

LOUISXV

The peak of Rococo style, exhibiting creativity and an ornamental exuberance that amplifies and remodels baroque tradition. The lines are often asymmetric and convoluted, depicting fanciful plants in the forms of fans, swirls and rosettes.



To intensify and highlight the decorations, cuts are made in the base of the plate.



The designs are often asymmetric, which enhances the rhythm of the entire piece.



The handgrip resembles a winding broccade spiral from which tiny, light leaflets emerge

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

ENRICO CASSINA - Classic lever handles

enrico cassina DAL 1850 by HÄFELE

FIRST EMPIRE

A cultured, majestic and celebratory style deeply inspired by Napoleon I. The ancient forms serve to glorify an ideal from a romantic perspective. Symbols of glory and prosperity abound, such as a laurel and palm leaves.



The end motif elegantly and majestically evokes a diadem.



Palm leaves are a symbol of prosperity and peace, the laurel branch is an emblem of power and glory.



A small detail that recalls the abacus (end section) of a capital.

SECOND EMPIRE

A decoration that is strongly influenced by the language of the First Empire style. However, luxury is more pronounced tending toward a miscellaneous pastiche of forms. A restrained linearity of form is allied to decorative elements such as rosettes, swirls and plants.



A restrained linearity controls and highlights the decorative elements.



The details are similar to the luxurious style of Luis XVI but more minimal.



Decorations are significant and defined against the background while maintaining their balance and measure.

ART DECO

The Floral style sinuosity remains but the natural motifs are replaced by a cubism-inspired geometry. Decoration are less apparent. The key features included symmetrical order, interlocking and shifted concentric circles, rhomboids and zigzag patterns.



Upper motif on the fountain and the slanting element with spherical ends, such as ambedded gemstones.



Geometrical forms with bevelled edges and grooves bring to mind the architecture of a skyscraper.



The shape of the handle mirrors its functional use. The sinusoidal helix is highly typical.

VICTRORIAN

A variety of different artistic languages are categorized under the Victorian style, which is divided into three phases: the first inspired by nature, the second a Neo-Renaissance style rich in inlaid figures and the third eclectic with a strong influence from oriental elements.



Upper and lower part of the plate have a vaguely gothic flavour



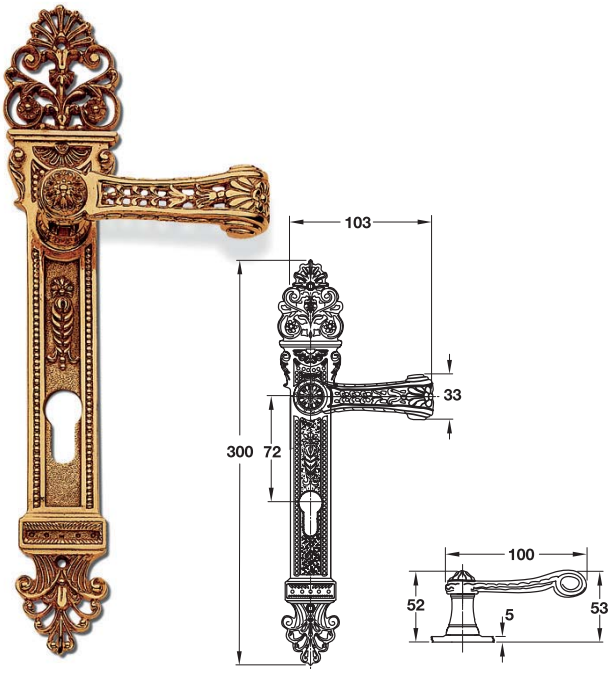
Even the contours of the handle recall the architectural shape of the plate; is almost geometrical.



The decorative motifs are stylized and sinuous, highly influenced by oriental calligraphy.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

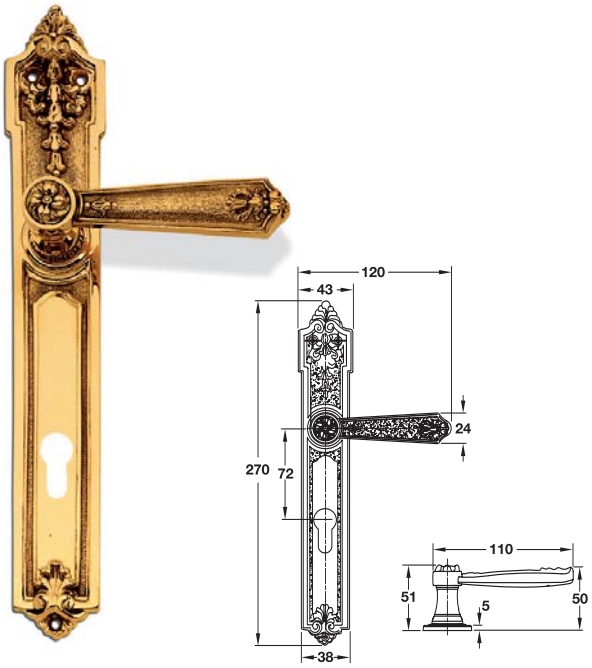
Lever handle sets - FIRST EMPIRE



Material/finish	Entrance	Dummy
Brass polished PVD	901.98.931	901.98.933
Brass antique coloured	901.98.932	901.98.934

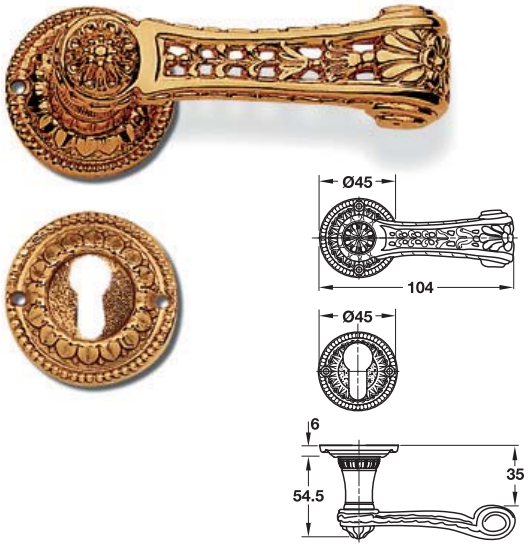
Packing: 1 set

Lever handle sets - SECOND EMPIRE



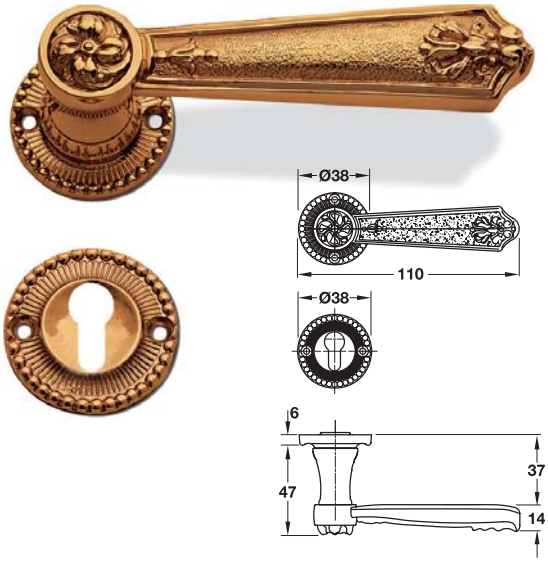
Material/finish	Entrance	Dummy
Brass polished PVD	901.98.939	901.98.941
Brass antique coloured	901.98.940	901.98.642

Packing: 1 set



Material/finish	Cat. No.
Brass polished PVD	901.98.935
Brass antique coloured	901.98.936

Packing: 1 set

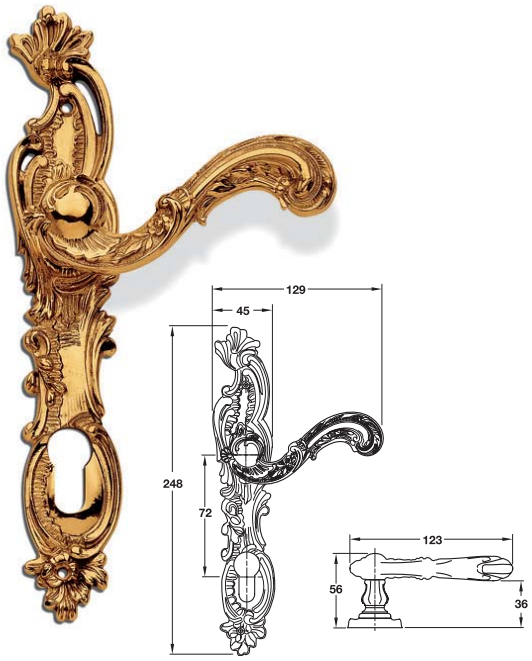


Material/finish	Cat. No.
Brass polished PVD	901.98.746
Brass antique coloured	901.98.748

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

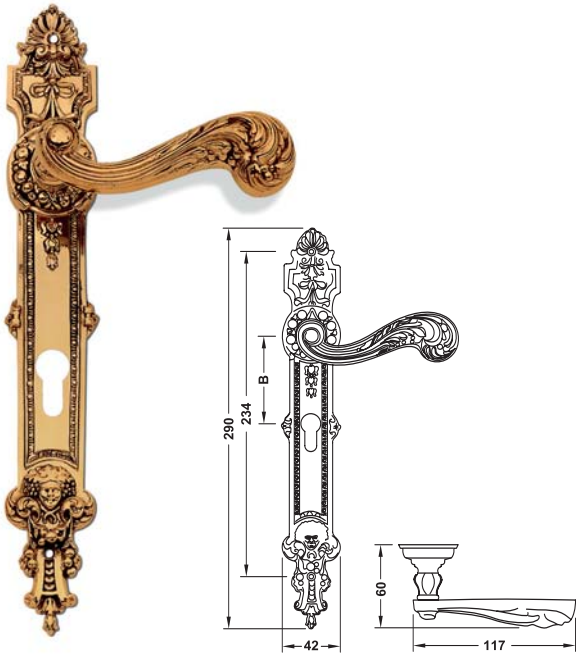
Lever handle sets - LOUISXV



Material/finish	Entrance	Dummy
Brass polished PVD	901.98.919	901.98.921
Brass antique coloured	901.98.920	901.98.922

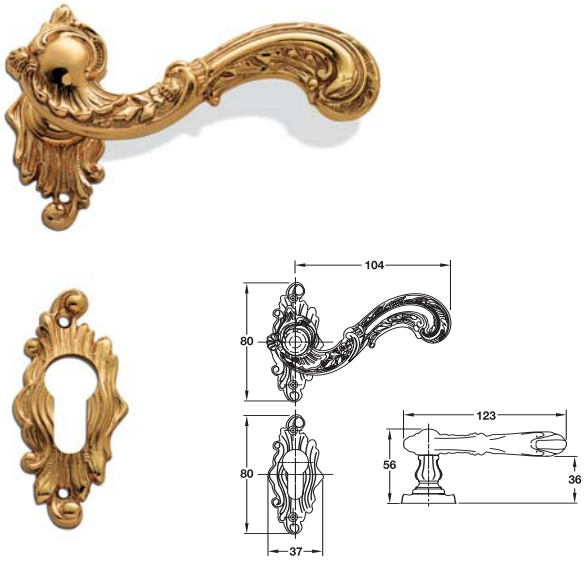
Packing: 1 set

Lever handle sets - MANNERISM



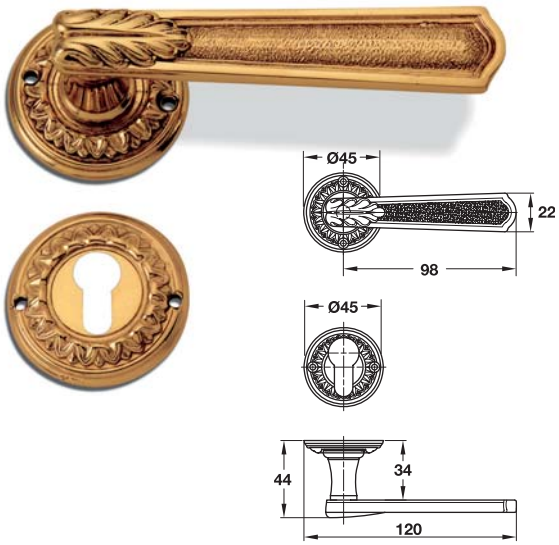
Material/finish	Entrance	Dummy
Brass polished PVD	901.98.908	901.98.910
Brass antique coloured	901.98.909	901.98.911

Packing: 1 set



Material/finish	Cat. No.
Brass polished PVD	901.98.923
Brass antique coloured	901.98.924

Packing: 1 set

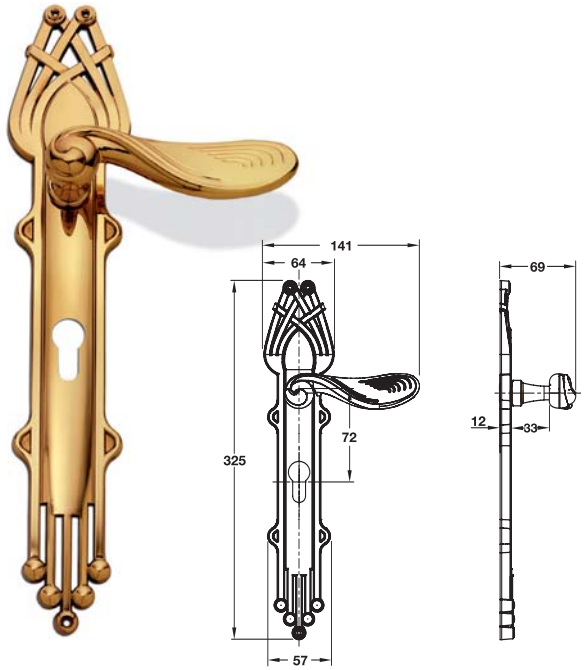


Material/finish	Cat. No.
Brass polished PVD	901.98.943
Brass antique coloured	901.98.944

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

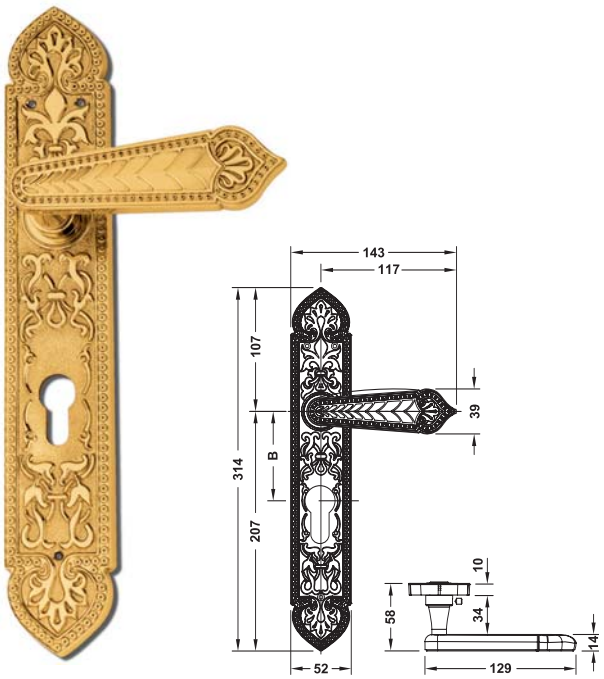
Lever handle sets - ART DECOR



Material/finish	Entrance	Dummy
Brass polished PVD	901.98.951	901.98.953
Brass chrome plated polished	901.98.952	901.98.954

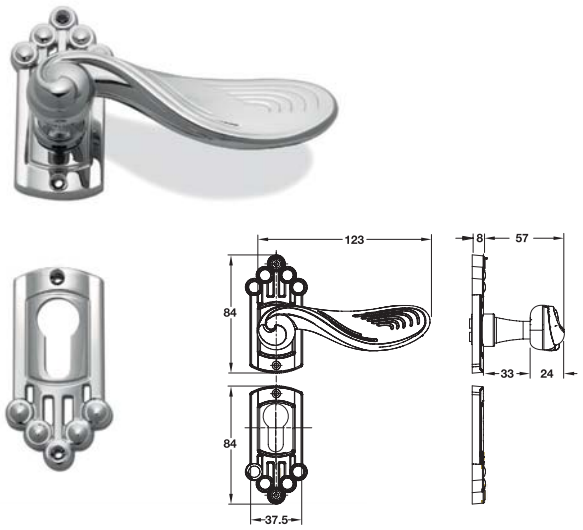
Packing: 1 set

Lever handle sets - VICTORIAN



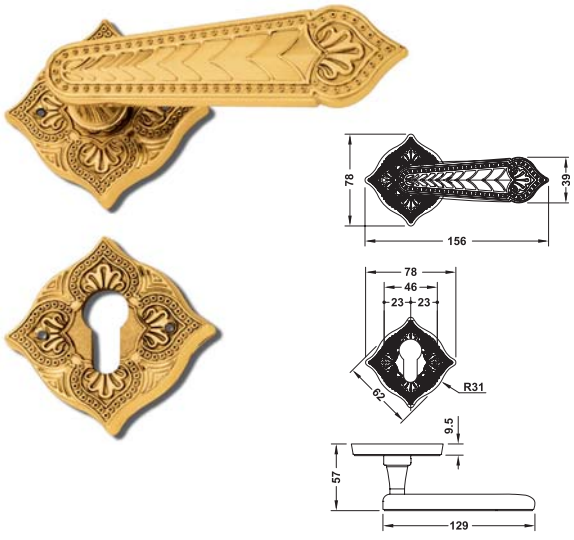
Material/finish	Entrance	Dummy
Brass polished PVD	901.98.945	901.98.947
Brass chrome plated polished	901.98.946	901.98.948

Packing: 1 set



Material/finish	Cat. No.
Brass polished PVD	901.98.655
Brass chrome plated polished	901.98.956

Packing: 1 set

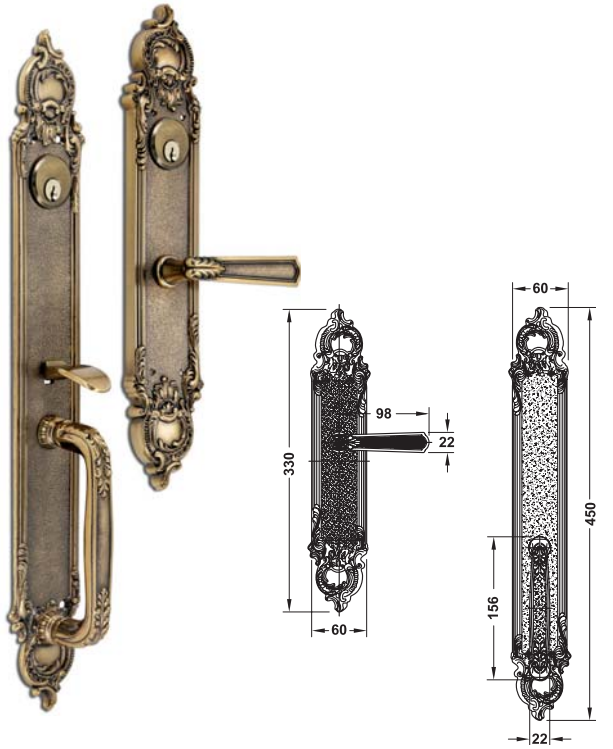


Material/finish	Cat. No.
Brass polished PVD	901.98.949
Brass chrome plated polished	901.98.950

Packing: 1 set

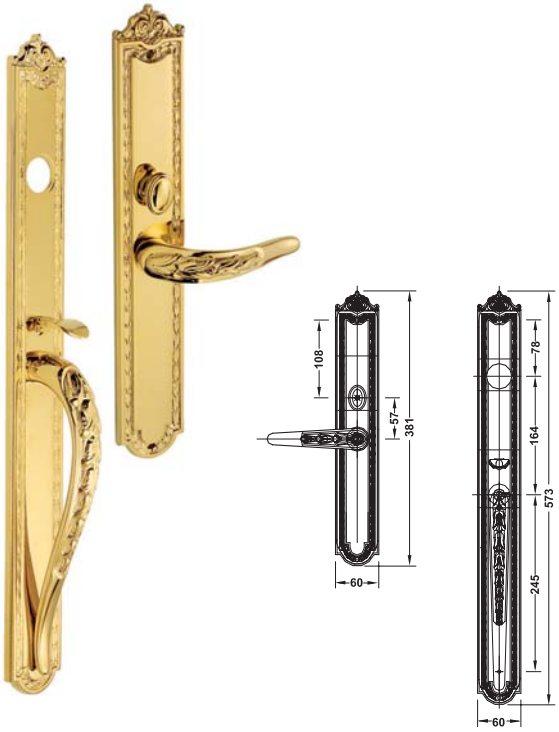
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever handle sets



Material/finish	Version	Entrance	Dummy
Brass antique coloured	DIN right hand	901.98.913	901.98.915
	DIN left hand	901.98.912	901.98.914

Packing: 1 set



Material/finish	Version	Entrance	Dummy
Brass polished PVD	DIN right hand	911.64.631	911.64.417
	DIN left hand	911.64.633	911.64.416

Packing: 1 set

Order reference

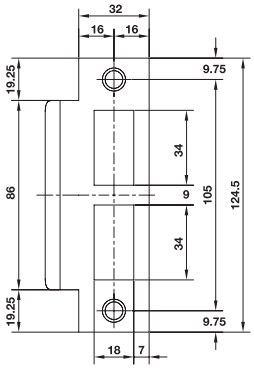
Mortise lock and round cylinder ..... page 1.58

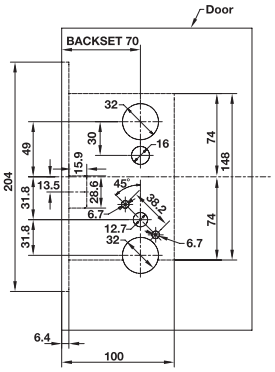
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

1

Mortise lock and round cylinder







Technical data

- Backset: 70 mm
- For door thickness: 35– 50 mm

Supplied with

1 Set mortise locks

1 Set round cylinders

1 Striking plate

Material/finish	Cat. No.
Brass polished PVD	911.02.185
Brass antique coloured	911.02.269

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

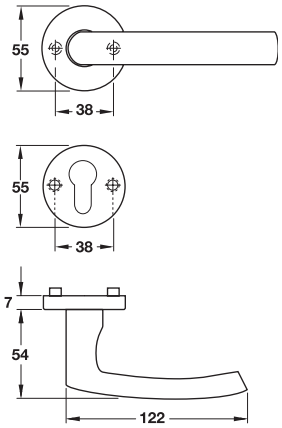


We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever handle sets





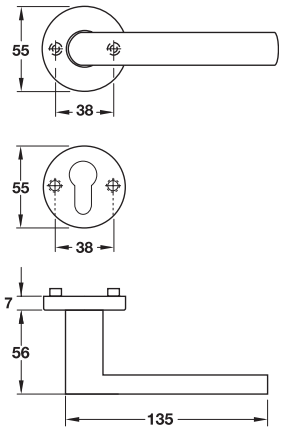


Material/finish	Cat. No.
Brass bronze coloured	900.92.131

Packing: 1 set





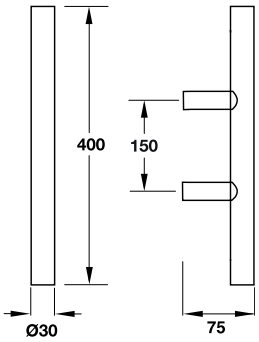


Material/finish	Cat. No.
Brass bronze coloured	900.92.137

Packing: 1 set

Pull handle set



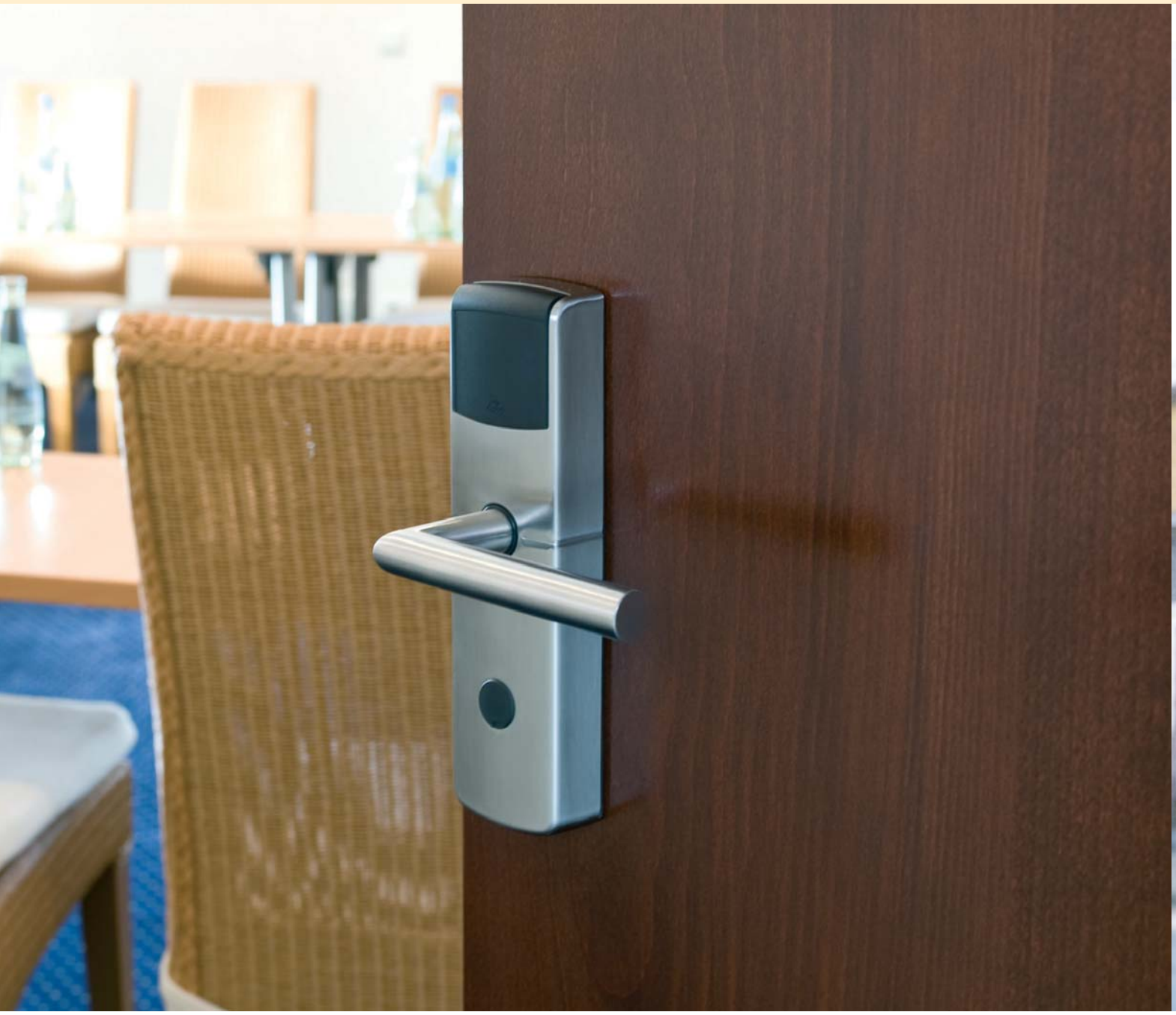


Material/finish	Cat. No.
Brass bronze coloured	901.00.194

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

2 Locking and Security










ZIEHEN




ABUS
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TITALIUM
ABUS
TITALIUM



Mortise locks





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We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

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Economy profile cylinder 2.75

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Profile cylinder with emergency slot 2.77, 2.80

Double profile cylinder 2.78

Single profile cylinder 2.80

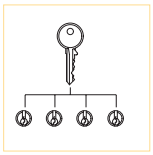
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We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

HÄFELE

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2

Security & Safety Locking ABUS





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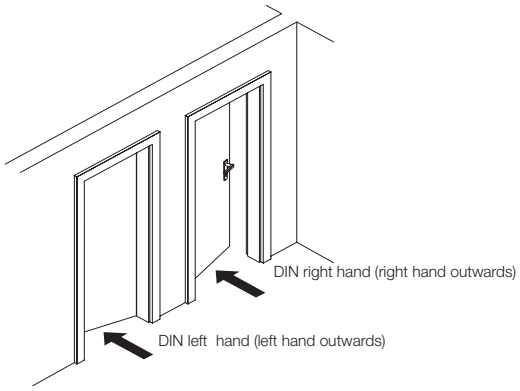
Door terminal KABA 2.179

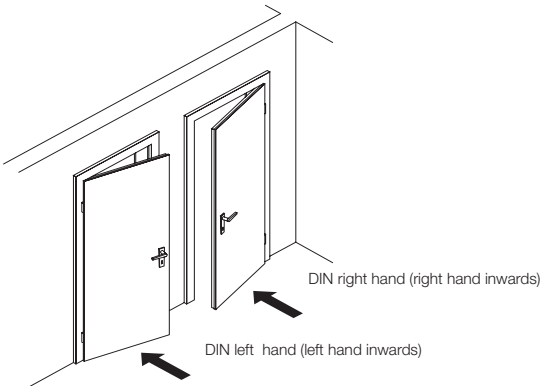
Access control system and accessories 2.183

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise locks: Door direction

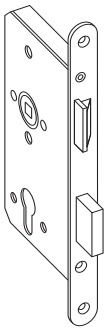
Depending of the pivot direction of a door, a door is classified as a left and right hand door. The door direction or side definition according to DIN 107 is determined as follows:
Visible position of the door hinges on the left = DIN left
Visible position of the door hinges on the right = DIN right
Furthermore, common definitions derive from the access direction.

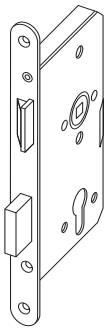




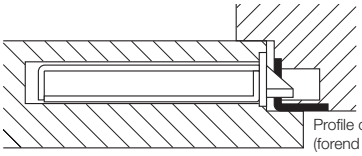
In accordance with the door directions, the mortise locks are also classified as DIN left and DIN right hand locks:

DIN left hand lock
(the straight side of the latch points to the left)

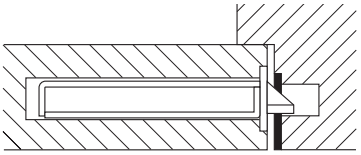




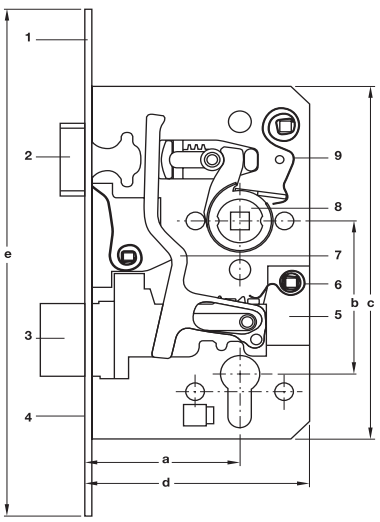
DIN right hand lock
(the straight side of the latch points to the right)



Profile of a rebated door with mortise lock
(forend protruding on one side)



Profile of a flush door with mortise lock
(forend protrudes on both sides)



1 Forend
2 Latch
3 Deadbolt
4 Screw channel for profile cylinder
5 Tumbler
6 Tumbler spring
7 Key action
8 Lever follower
9 Counter spring

a Backset
b Distance
c Case height
d Case width
e Forend length
f Forend width

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

EN 12209: 2003 - Mechanically operated locks, latches and locking plates

Scope

This standard covers the requirement and test methods for durability, strength, security and function of all types of mechanical locks and latches (including associated or separately locking plates), intended for use on pedestrian doors in buildings. Excluding electro-mechanically operated locks and striking plates, multipoint locks and their locking plates, locks for windows, padlocks, locks for safes, furniture locks and prison locks.

Classification

The standard classifies locks and latches using the 11 digit coding system. Each digit relates to a particular feature of the product measured against the standards performance requirements.



Digit 1 - Category of use

Classification is in three grades, grade 1 being the lowest

Grade 1: Low frequency. For use by people with a high incentive to exercise care and a small chance of misuse, e.g internal residential doors.

Grade 2: Medium frequency. For use by people with some incentive to exercise care but where there is some chance of misuse, e.g. internal office doors.

Grade 3: High frequency. For use by public or others with little incentive to exercise care and with a high chance of misuse, e.g. public doors



Digit 2 - Durability

Twelve grades of durability are identified:

Grade A: 50,000 cycles, no load on latch bolt
Grade B: 100,000 cycles, no load on latch bolt
Grade C: 200,000 cycles, no load on latch bolt
Grade F: 50,000 cycles, 10N load on latch bolt
Grade G: 100,000 cycles, 10N load on latch bolt
Grade H: 200,000 cycles, 10N load on latch bolt
Grade L: 100,000 cycles, 25N load on latch bolt
Grade M: 200,000 cycles, 25N load on latch bolt
Grade R: 100,000 cycles, 50N load on latch bolt
Grade S: 200,000 cycles, 50N load on latch bolt
Grade W: 100,000 cycles, 120N load on latch bolt
Grade X: 200,000 cycles, 120N load on latch bolt

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



Digit 3 - Door mass and closing force

Nine grades of door mass and closing force are identified:

Grade 1: Up to 100 kg door mass; 50N maximum closing force

Grade 2: Up to 200 kg door mass; 50N maximum closing force

Grade 3: Up to 200 kg door mass or specified by the manufacturer; 50N maximum closing force

Grade 4: Up to 100 kg door mass; 25N maximum closing force

Grade 5: Up to 200 kg door mass; 25N maximum closing force

Grade 6: Up to 200 kg door mass or specified by the manufacturer; 25N maximum closing force

Grade 7: Up to 100 kg door mass; 15N maximum closing force

Grade 8: Up to 200 kg door mass; 15N maximum closing force

Grade 9: Up to 200 kg door mass or specified by the manufacturer; 15N maximum closing force



Digit 4 - Fire resistance

Two grades of suitability for use on fire/smoke doors are identified:

Grade 0: Not approved for use on fire/smoke door assemblies

Grade 1: Suitable for use on fire/smoke door assemblies tested to EN 1634-1 etc

Note 1. A grade 1 classification means only that the lock has been designed for use on fire/smoke control doors; the actual fire performance achieved e.g. fire integrity of 30 minutes on a partially glazed timber door etc.) will be contained in a separate fire test report.

Note 2. Where a product is intended for fire/smoke use (i.e. "1" in box 4), it must be possible to demonstrate compliance with the Essential Requirements of the Construction Products (Amendments) Regulations. It is recommended that the product should bear the CE mark.



Digit 5 - Safety

Only one grade of safety is identified:

Note: A lock or latch conforming to this standard can, at the same time, also be part of an exit device conforming to EN 179 or EN 1125



Digit 6 - Corrosion resistance and temperature

Eight grades of corrosion resistance are identified:

Grade 0: No defined corrosion resistance; no temperature requirement

Grade A: Low corrosion resistance; no temperature requirement

Grade B: Moderate corrosion resistance; no temperature requirement

Grade C: High corrosion resistance; no temperature requirement

Grade D: Very high corrosion resistance; no temperature requirement

Grade E: Moderate corrosion resistance; temperature requirement: from -20°C to +80°C

Grade F: High corrosion resistance; temperature requirement: from -20°C to +80°C

Grade G: Very high corrosion resistance; temperature requirement: from -20°C to +80°C

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

5 (1-7)

Digit 7 - Security and drill resistance

Seven grades of security and drill resistance are identified:

Grade 1: Minimum security and no drill resistance
Grade 2: Low security and no drill resistance
Grade 3: Medium security and no drill resistance
Grade 4: High security and no drill resistance
Grade 5: High security with drill resistance
Grade 6: Very high security and no drill resistance
Grade 7: Very high security with drill resistance

A (A-R)

Digit 8 - Field of door application.

Fifteen grades of door application are identified in the table below:

Grade	Type	Application 1	Application 2	Application 3
A	Mortise	Unrestricted application	–	–
B	Mortise	Hinged door	–	–
C	Mortise	Sliding door	–	–
D	Rim	Unrestricted application	–	–
E	Rim	Hinged door	–	–
F	Rim	Sliding door	–	–
G	Bored lock	Unrestricted application	–	–
H	Mortise	Hinged door	Supported	–
J	Rim	Hinged door	Inwards	–
K	Mortise	Hinged door	–	Locked from inside
L	Mortise	Sliding door	–	Locked from inside
M	Rim	Hinged door	–	Locked from inside
N	Rim	Sliding door	–	Locked from inside
P	Mortise	Hinged door	Supported	Locked from inside
R	Rim	Hinged door	Inwards	Locked from inside

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



Digit 9 - Type of key operation and locking

Nine grades of type of key operation and locking are identified:

Grade 0: Not applicable
Grade A: Cylinder lock or latch; manual locking
Grade B: Cylinder lock or latch; automatic locking
Grade C: Cylinder lock or latch; manual locking with intermediate locking
Grade D: Lever lock or latch; manual locking
Grade E: Lever lock or latch; automatic locking
Grade F: Lever lock or latch; manual locking with intermediate locking
Grade G: Lock or latch without key operation; manual locking
Grade H: Lock without key operation; automatic locking



Digit 10 - Type of spindle operation

Five grades of spindle operation are identified:

Grade 0: Lock without follower
Grade 1: Lock with sprung lever or knob
Grade 2: Lock with light unsprung lever
Grade 3: Lock with heavy unsprung lever
Grade 4: Lock with manufacturer's own specification furniture



Digit 11 - Key identification

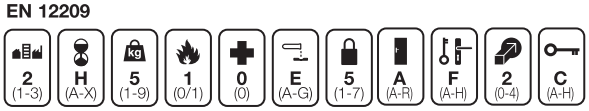
Nine grades of key identification are identified:

Grade 0: No requirement
Grade A: Minimum three detaining elements
Grade B: Minimum five detaining elements
Grade C: Minimum five detaining elements, extended number of effective differs
Grade D: Minimum six detaining elements
Grade E: Minimum six detaining elements, extended number of effective differs
Grade F: Minimum seven detaining elements
Grade G: Minimum seven detaining elements, extended number of effective differs
Grade H: Minimum eight detaining elements, extended number of effective differs
Note: This applies only to lever locks: cylinders are assessed to BS EN 1303: 1998

Classification code: **:2:H:5:1:0:E:5:A:F:2:C:**

Code shown using DHF graphic icons:

EN 12209



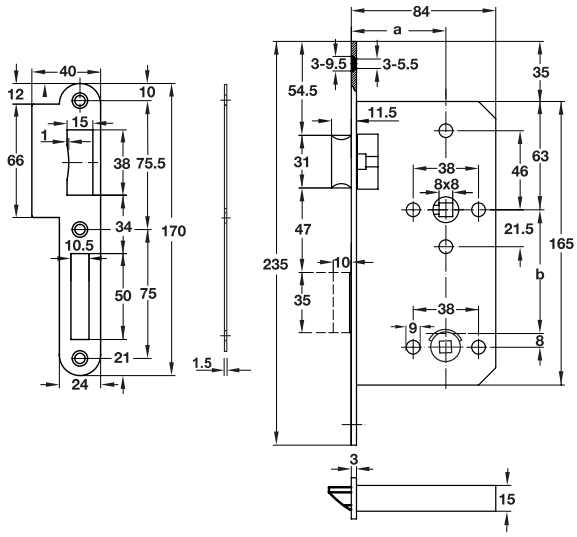
Example

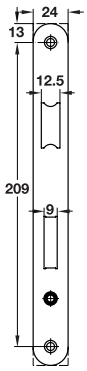
This indicates a mechanically operated lock and locking plate intended for use in situations where there is an incentive to exercise care; that will withstand a durability of 200,000 cycles with 10N side load on the latch bolt on a door of up to 200 kg in mass; that will close with a maximum force of 25N; that is suitable for use on a fire/smoke resisting door; that has no safety requirement; that has moderate corrosion resistance over a temperature range of -20°C to +80°C; that has high security and drill resistance; that is suitable for unsprung furniture; and that has five detaining elements with a minimum of 10,000 differs

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

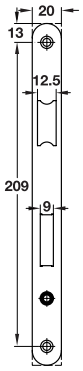
Mortise lock with bathroom function StarTec





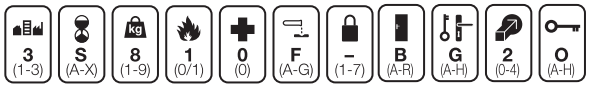


24 mm forend width
for rebated door



20 mm forend width
for non-rebated door

EN 12209



Features

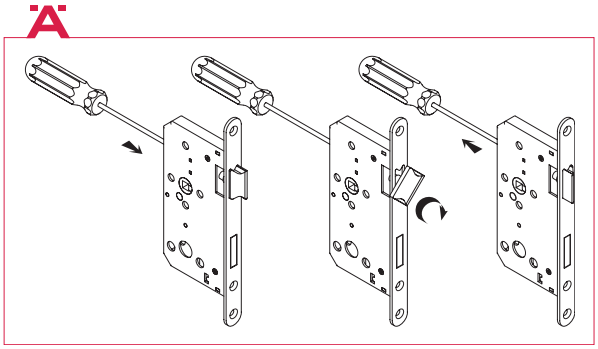
- For flush or rebated timber doors
- Latch operated with lever handle
- Deadbolt operated with turn and release
- Deadbolt 1-turn
- Reversible latch
- Tested to EN 12209
- Tested according to CE

Technical data

- Lever follower: □ 8 mm
- Distance (b): 72 mm
- Backset (a): 55 mm

Supplied with

1 Mortise lock
1 Striking plate
1 Plastic box
1 Fixing screw



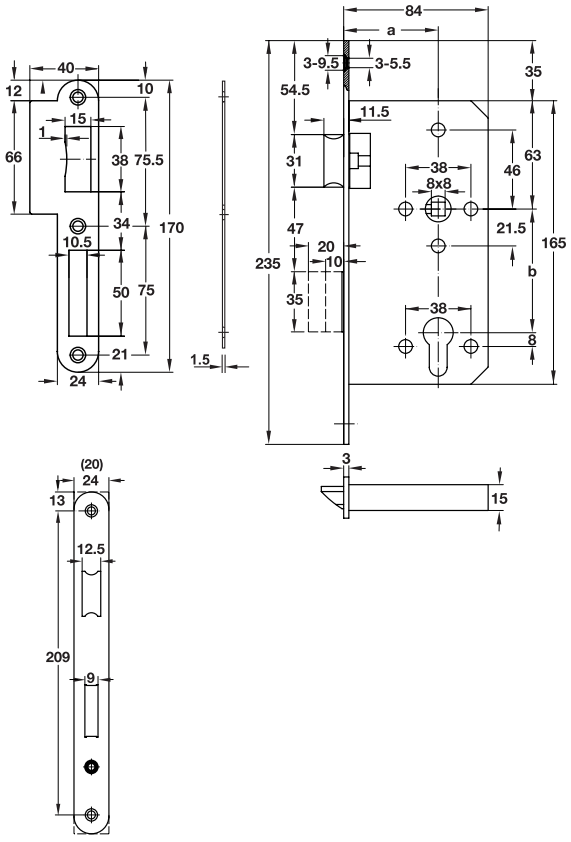
Forend	Latch/dead bolt/follower	Lock case	Forend 20 mm	Forend 24 mm
Stainless steel matt (304)	Solid stainless steel	Steel galvanized	911.02.155	911.02.157
Stainless steel brass polished PVD	Solid stainless steel	Steel galvanized	911.02.156	911.02.158

Packing: 1 pc.

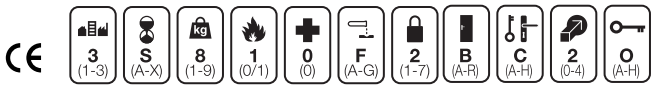
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise lock for profile cylinder StarTec





EN 12209



Features

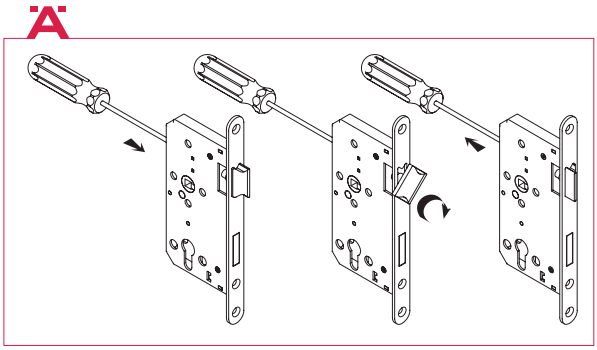
- For flush or rebated timber doors
- Latch operated with lever handle or key action
- Deadbolt operated with profile cylinder
- Deadbolt 2-turn
- Reversible latch
- Deadbolt, latch and follower made of stainless steel
- Tested to EN 12209
- Tested according to CE

Technical data

- Lever follower: □ 8 mm
- Distance (b): 72 mm
- Backset (a): 55 mm

Supplied with

1 Mortise lock
1 Striking plate
1 Plastic box
1 Fixing screw



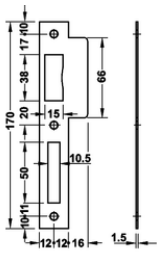
Forend	Forend width 20 mm		Forend width 24 mm	
	Square	Round	Square	Round
Stainless steel matt (304)	911.02.143	911.02.151	911.02.145	911.02.153
Stainless steel brass polished PVD	911.02.144	911.02.152	911.02.146	911.02.154
Stainless steel antique copper coloured	–	–	–	911.02.169
Stainless steel antique brass coloured	911.02.449	911.02.451	911.02.453	911.02.168

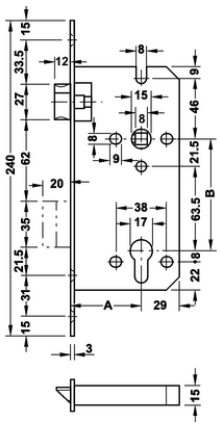
Packing: 1 pc.

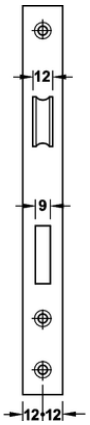
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise lock for profile cylinder StarTec









EN 12209

CE

3 (1-3)	S (A-X)	8 (1-9)	1 (0/1)	0 (0)	F (A-G)	2 (1-7)	B (A-R)	C (A-H)	2 (0-4)	O (A-H)

Features

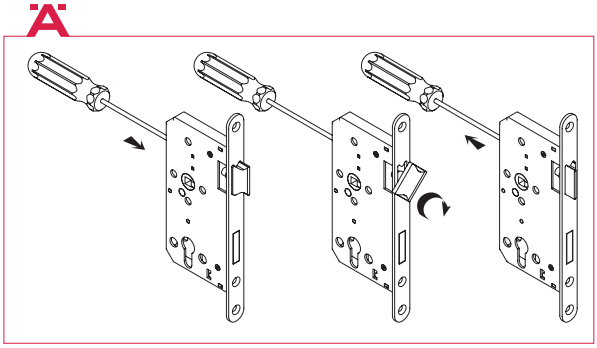
- For flush timber doors
- Latch operated with lever handle or key action
- Deadbolt operated with profile cylinder
- Deadbolt 2-turn
- Reversible latch
- Deadbolt, latch and follower made of stainless steel
- Tested to EN 12209
- Tested according to CE

Technical data

- Lever follower: □ 8 mm
- Distance (B): 85 mm
- Backset (A): 45,60 mm

Supplied with

1 Mortise lock
1 Striking plate
1 Plastic box
1 Fixing screw



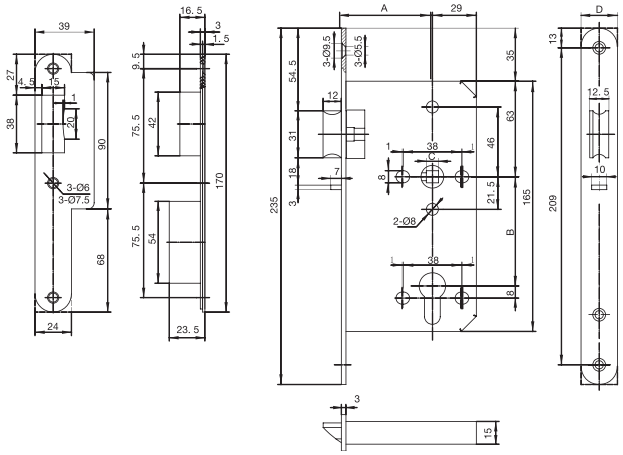
Forend	Backset mm	Forend width 24 mm	
		Square	Round
Stainless steel matt (304)	45	911.02.165	911.02.175
	60	911.02.161	911.02.171

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise lock for profile cylinder, with nightlatch function StarTec





Features

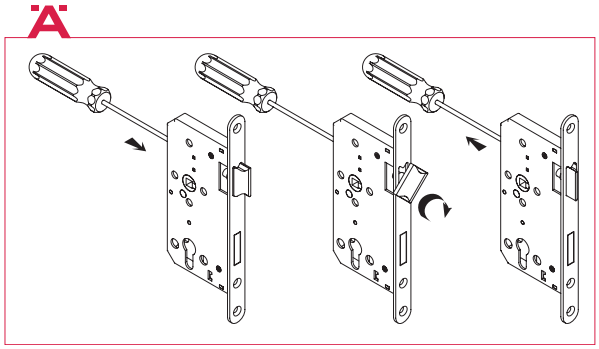
- For flush timber doors
- Latch operated with lever handle or key action
- Reversible latch
- Closing spring latch prevents the latchbolt from being pushed back, e.g. by a credit card

Technical data

- Lever follower: □ 8 mm
- Distance (B): 72 mm
- Backset (A): 55 mm

Supplied with

1 Mortise lock
1 Striking plate
1 Plastic box
1 Fixing screw



Description of function

Inside: Door can be opened by activating the lever handle (escape door function)

Outside: Door can be opened with the key

Material/Finish	Cat. No.
Stainless steel matt	911.23.427

Packing: 1 pc.

Order reference

Required fittings:

- Inside: Lever handle
- Outside: Door knob, fixed

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise lock for profile cylinder, with classroom function StarTec



Features

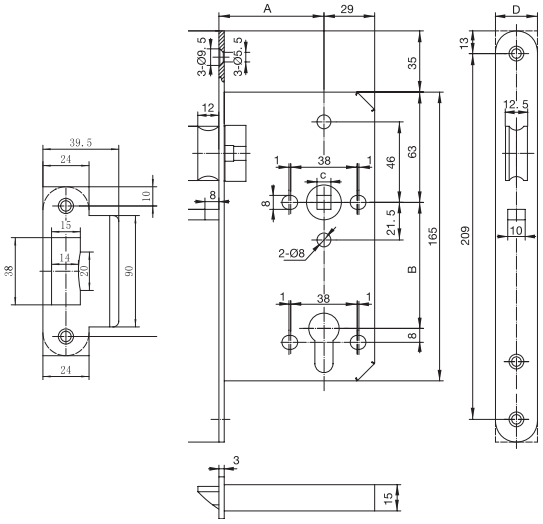
- For flush timber doors
- Latch operated with lever handle or key action
- Reversible latch

Technical data

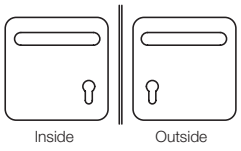
- Lever follower: □ 8 mm
- Distance (B): 72 mm
- Backset (A): 55 mm

Supplied with

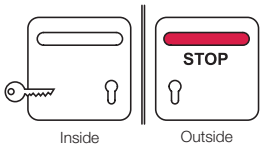
1 Mortise lock
1 Striking plate
1 Plastic box
1 Fixing screw



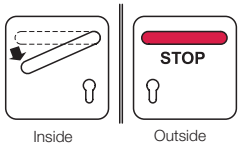
Description of function



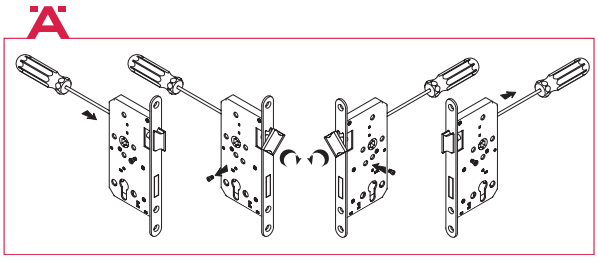
Opening of the door from inside and outside is possible



By locking of the door the inside and outside handle is blocked



Opening of the door from inside is still possible



Material/Finish	Cat. No.
Stainless steel matt	911.23.429

Packing: 1 pc.

Order reference

Required fitting:

- Split spindle

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise lock for double action doors and profile cylinder StarTec



Features

- For flush timber doors
- Deadbolt operates with profile cylinder
- Deadbolt 2-turn
- Roller latch operate free moveable

Technical data

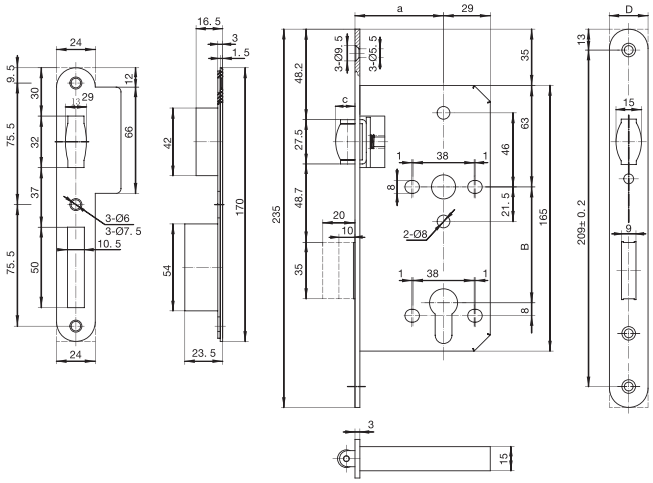
- Roller latch adjustable (c): 3–8 mm
- Backset (a): 55 mm

Supplied with

1 Mortise lock
1 Striking plate
1 Plastic box
1 Fixing screw

Material/Finish	Cat. No.
Stainless steel matt	911.24.058

Packing: 1 pc.



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise lock for profile cylinder, with panic function StarTec



Features

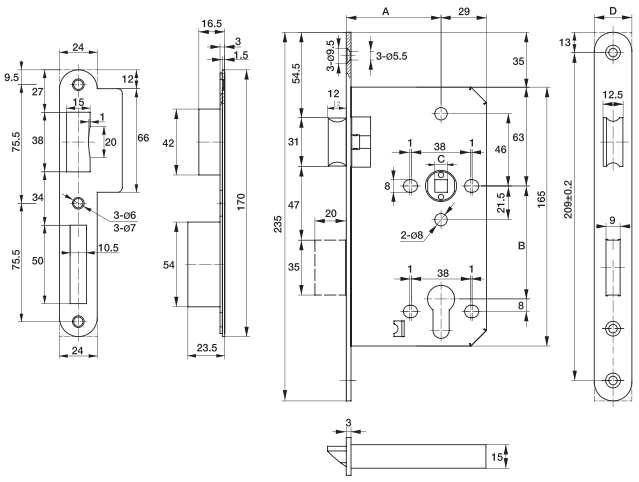
- For flush timber doors
- Latch operated with lever handle or key action
- Deadbolt 1-turn
- Reversible latch

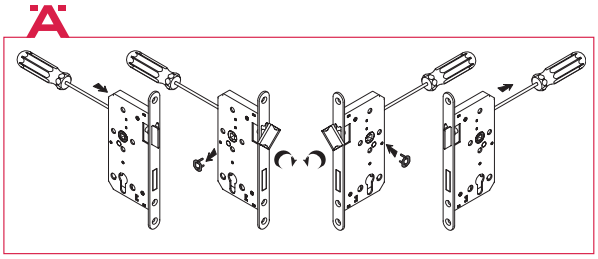
Technical data

- Lever follower: □ 8 mm, split spindle
- Distance (B): 72 mm
- Backset (A): 55 mm

Supplied with

1 Mortise lock
1 Striking plate
1 Plastic box
1 Fixing screw





Description of function

Inside: Door can be opened by activating the lever handle and locked with the key (escape door function).
Outside: Door can be opened and locked with the key and by activating the lever handle. For security the door must be locked with the key.

Material/Finish	Cat. No.
Stainless steel matt	911.51.400

Packing: 1 pc.

Order reference

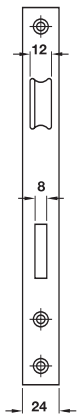
Required fitting:

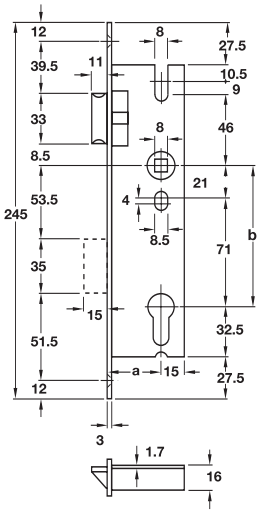
- Split spindle

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise cylinder lock for tubular door frames StarTec





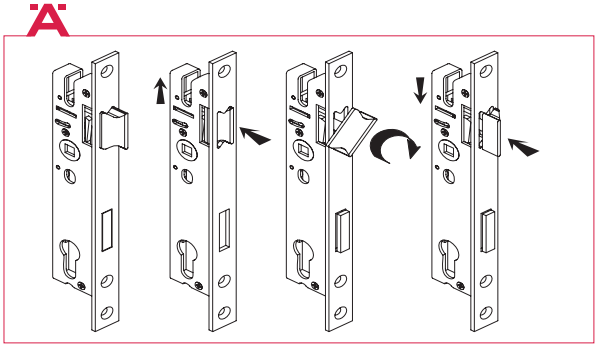


Features

- For tubular door frames of metal, timber or plastic
- Latch operated with lever handle or key action
- Deadbolt operates with profile cylinder
- Tested to DIN 18 251–2
- Deadbolt 1-turn
- Reversible latch

Technical data

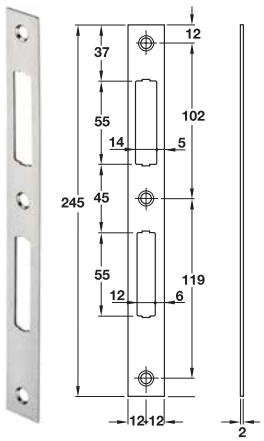
- Lever follower: □ 8 mm
- Distance (b): 92 mm
- Forend width: 24 mm



Forend	Latch/dead bolt	Lock case	Lever follower	Backset (a) mm	Cat. No.
Stainless steel (304)	Zinc alloy nickel plated	Steel galvanized	Zinc alloy	18	911.75.011
				24	911.75.017
				30	911.75.021
				35	911.75.023
				40	911.75.025
				45	911.75.027

Packing: 1 pc. incl. fixing material

Flat striking plate StarTec



Features

- For metal, plastic or timber frames
- For tubular door frames
- Suitable for DIN left and right hand

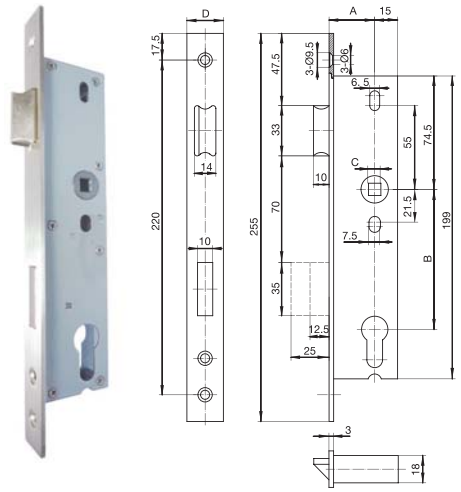
Material/Finish	Cat. No.
Stainless steel matt (304)	911.76.011

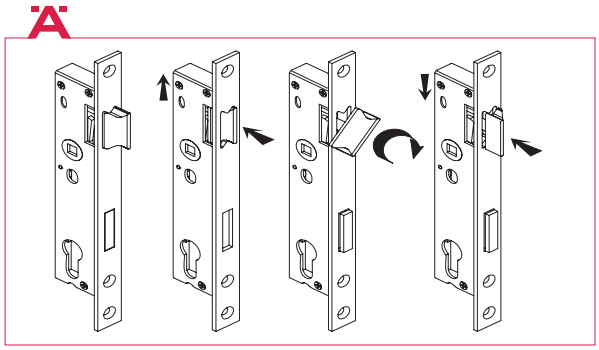
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

2

Narrow frame mortise lock for profile cylinder





Features

- For tubular door frames of metal, timber or PVC
- Latch operated with lever handle or key action
- Deadbolt operates with profile cylinder
- Deadbolt 1-turn, reversible latch

Technical data

- Lever follower: □ 8 mm
- Distance (B): 92 mm

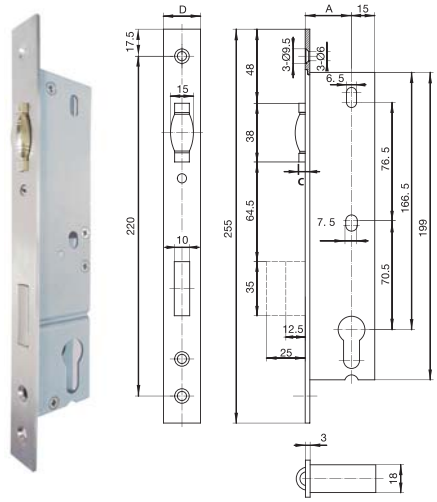
Supplied with

1 Mortise lock

Material/Finish	Backset (A) mm	Cat. No.
Stainless steel matt	30	911.77.260

Packing: 1 pc.

Narrow frame mortise lock for double action doors and profile cylinder



Features

- For flush timber doors
- Deadbolt operates with profile cylinder
- Deadbolt 2-turn, roller latch operates free moveable

Technical data

- Roller latch (C) adjustable: 1–9 mm
- Distance (B): 92 mm

Supplied with

1 Mortise lock

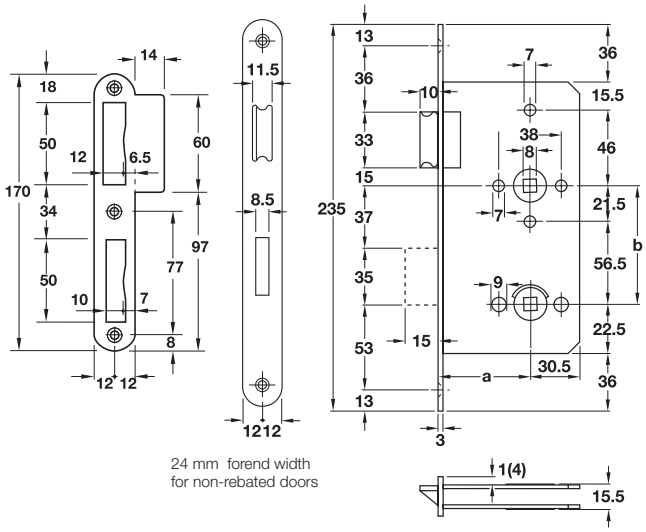
Material/Finish	Back set (A) mm	Cat. No.
Stainless steel matt	30	911.77.261

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise lock, with bathroom function StarTec





24 mm forend width
for non-rebated doors

BS EN 12209

3 (1-3)	S (A-X)	8 (1-9)	1 (0/1)	0 (0)	C (A-G)	4 (1-7)	B (A-R)	G (A-H)	2 (0-4)	0 (A-H)

Features

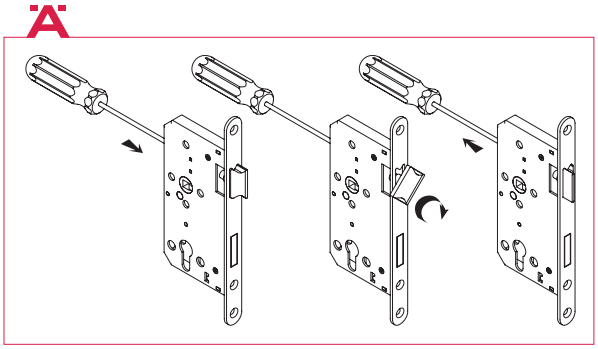
- For flush timber doors
- Latch operated with lever handle
- Deadbolt operated with turn and release
- Deadbolt 1-turn
- Reversible latch
- Tested to EN certificate

Technical data

- Lever follower: □ 8 mm
- Distance (b): 78 mm
- Backset (a): 55 mm

Supplied with

1 Mortise lock
1 Striking plate
1 Plastic box
1 Fixing screw



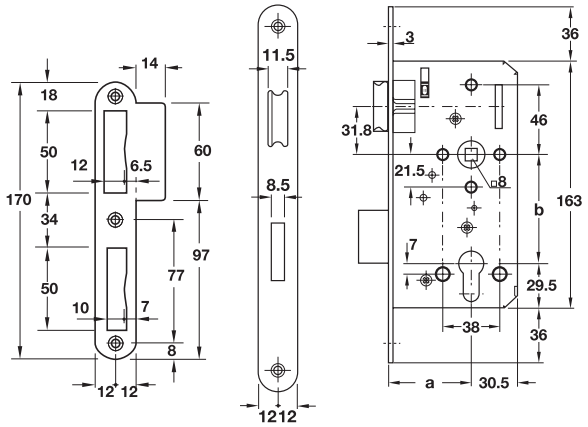
Forend	Latch/deadbolt	Lock case	Deadbolt follower	Cat. No.
Stainless steel (304)	Zinc alloy nickel plated	Steel galvanized	Zinc alloy	911.07.211
Brass polished protective lacquer				911.07.212

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

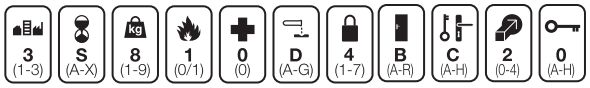
Mortise lock for profile cylinder StarTec





24 mm forend width for non-rebated doors

BS EN 12209



Features

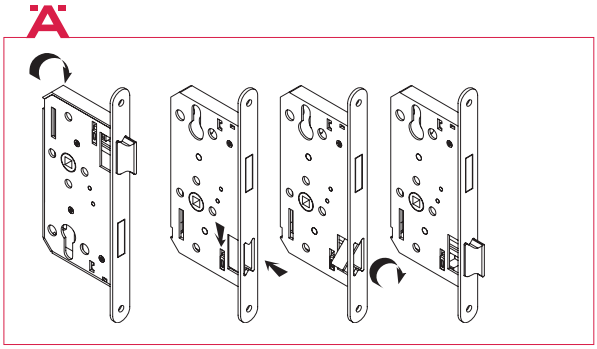
- For flush timber doors
- Latch operated with lever handle or key action
- Deadbolt operated with profile cylinder
- Deadbolt 2-turn
- Reversible latch
- Tested to EN Certificate

Technical data

- Lever follower: □ 8 mm
- Distance (b): 72 mm
- Backset (a): 55 mm

Supplied with

1 Mortise lock
1 Striking plate
1 Plastic box
1 Fixing screw



Forend	Latch	Dead bolt	Lock case	Lever follower	Cat. No.
Stainless steel (304)	Cast steel nickel plated polished	Steel nickel plated polished	Steel galvanized and hammer blow lacquered	Cast steel	911.07.082
Brass polished			Steel galvanized		911.07.083

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise cylinder lock StarTec



Features

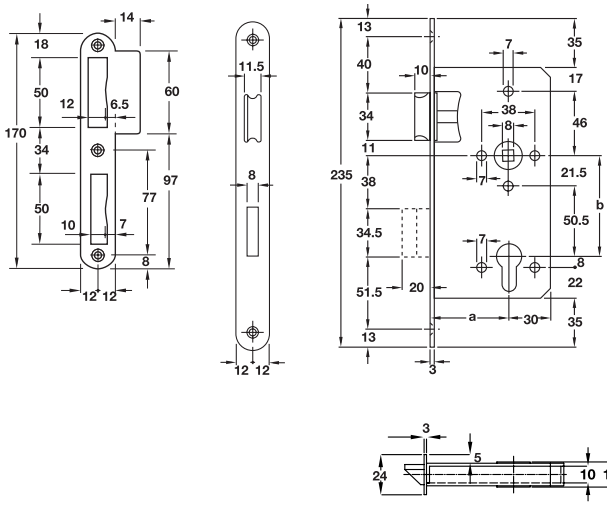
- For flush timber or steel doors
- Latch operated with lever handle or key action
- Deadbolt operated with turn and release

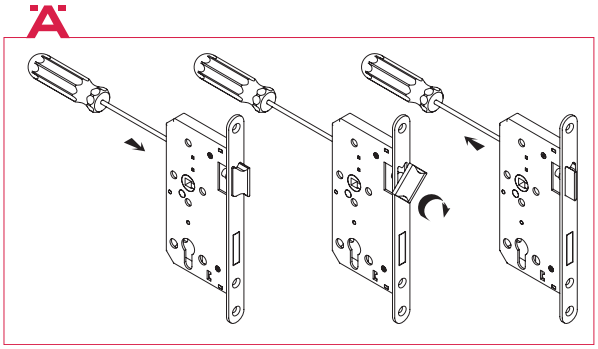
Technical data

- Lever follower: □ 8 mm
- Distance (b): 72 mm
- Backset (a): 55 mm

Supplied with

1 Mortise lock
1 Striking plate
1 Fixing screw



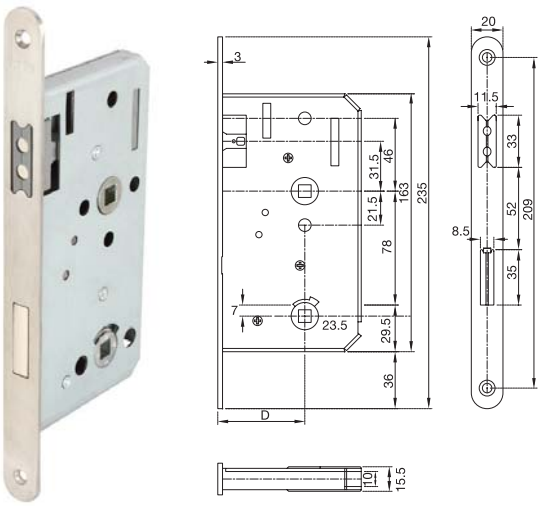


	Latch/deadbolt	Lock case	Cat. No.
Light counter spring version knob in combination with mortise lock	Steel nickel plated polished	Steel galvanized and hammer blow lacquered	911.02.182
Deadbolt can operate one turn			911.02.183

Packing : 1 pc. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise lock with magnetic latch for bathroom function



Features

- For flush or rebated timber doors
- Latch operated with lever handle
- Deadbolt operated with turn and release
- Deadbolt 1-turn
- Suitable for DIN left and DIN right hand
- For internal door

Technical data

- Lever follower: □ 8 mm
- Distance: 78 mm
- Backset: 55 mm
- Forend: 20 mm

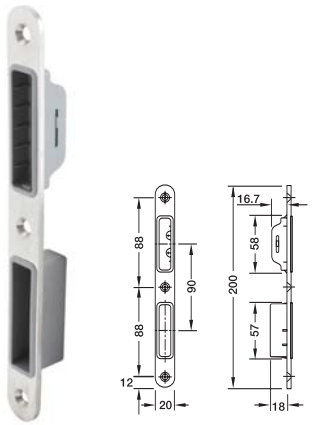
Supplied with

1 Mortise lock

Material/Finish	Latch/Deadbolt/Follower	Dead bolt	Lock case	Cat. No.
Stainless steel matt	PVC latch provided with a magnet	Steel nickel plated polished	Steel galvanized	911.07.035

Packing: 1 pc.

Striking plate



Features

- For flush or rebated timber doors
- For magnatic motise lock
- For DIN left and DIN right

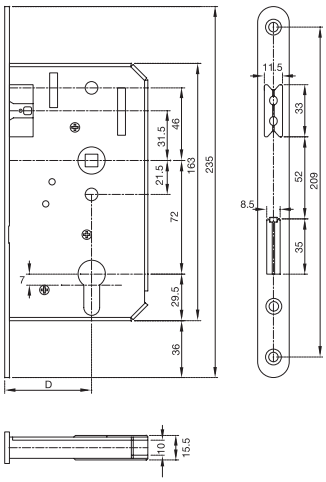
Material/Finish	Cat. No.
Stainless steel matt	911.39.513

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise lock for profile cylinder with magnetic latch/patio function





Features

- For flush or rebated timber doors
- Latch operated with lever handle
- Deadbolt operated with turn and release
- Deadbolt 2-turn
- Suitable for DIN left and DIN right hand
- For internal door

Technical data

- Lever follower: □ 8 mm
- Distance: 72 mm
- Backset: 55 mm
- Forend: 20 mm

Supplied with

1 Mortise lock

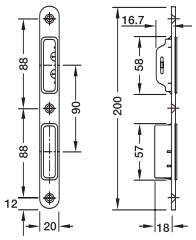
OUTSTANDING QUALITY

Material/Finish	Latch/Deadbolt/Follower	Lock case	Cat. No.
Stainless steel matt	PVC latch provided with a magnet	Steel galvanized	911.07.036

Packing: 1 pc.

Striking plate





Features

- For flush or rebated timber doors
- For magnatic motise lock
- For DIN left and DIN right

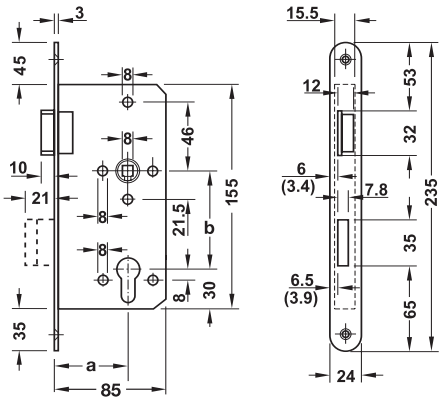
Material/Finish	Cat. No.
Stainless steel matt	911.39.513

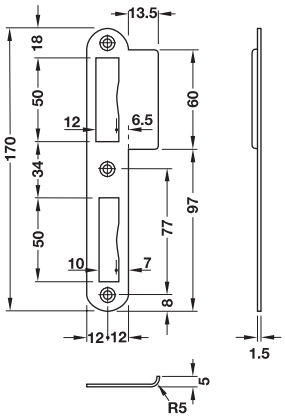
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

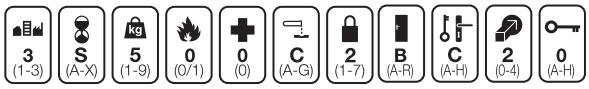
Mortise lock for profile cylinder with Quiet-Comfort latch







EN 12209



Features

- With Quiet-Comfort-Equipment for quiet closing of the door
- For flush wooden doors
- Latch operated with lever handle or profile cylinder (key action)
- Deadbolt operated with profile cylinder
- Deadbolt: 2-turn

Technical data

- Lever follower: □ 8 mm
- Distance (b): 72 mm
- Backset (a): 55 mm

Supplied with

1 Mortise lock
1 Striking plate
1 Plastic box
1 Fixing screw

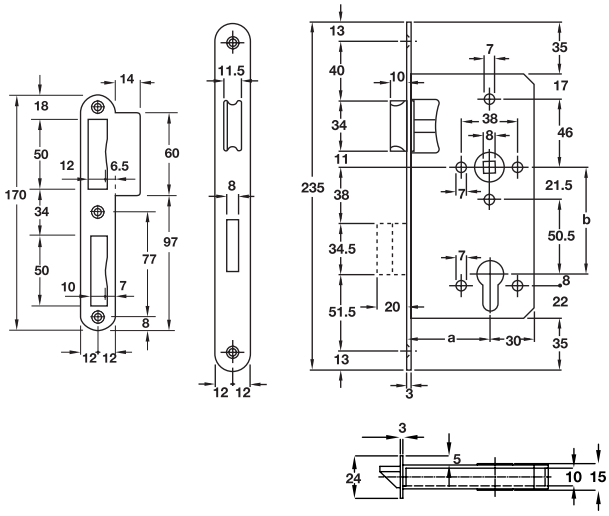
Material/Finish	Latch/deadbolt	Follower	Lock case	Version	Cat. No.
Stainless steel matt	Zinc alloy	Polyamide/steel	Steel galvanized	DIN left	911.03.578
				DIN right	911.03.579

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise cylinder lock StarTec





Features

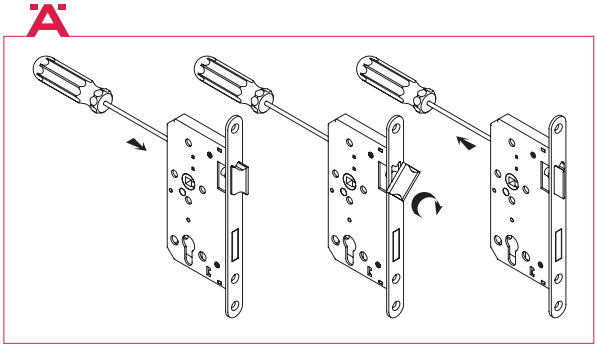
- For flush or rebated timber doors
- Latch operated with lever handle or key action
- Deadbolt operated with turn and release
- Deadbolt 2-turn
- Reversible latch
- Removable forend
- Tested to DIN 18251 part 1 category 3

Technical data

- Lever follower: □ 8 mm
- Distance (b): 72 mm
- Backset (a): 55 mm

Supplied with

1 Mortise lock
1 Striking plate
1 Removable forend
1 Fixing screw

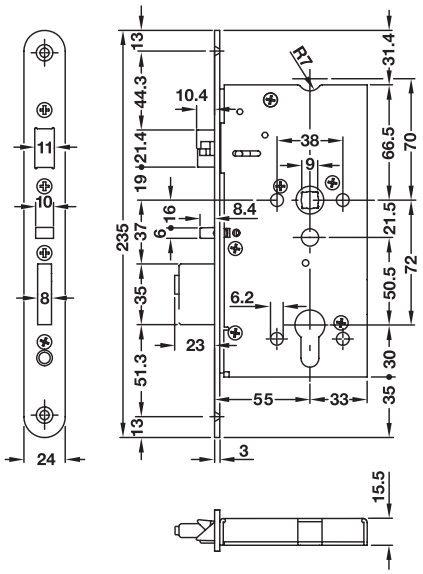


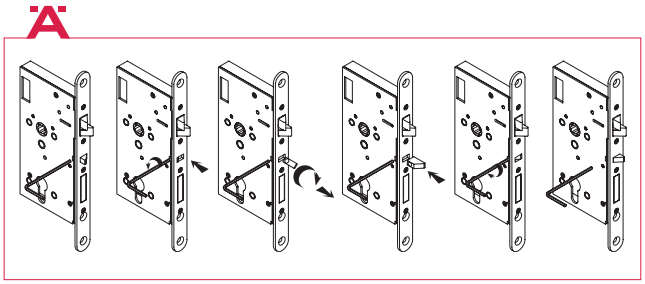
Forend	Latch	Dead bolt	Lock case	Cat. No.
Stainless steel matt (304)	Cast steel nickel plated polished	Steel nickel plated polished	Steel galvanized and hammer blow lacquered	911.02.190
Stainless steel matt (316)				911.02.191
Stainless steel brass polished				911.02.192
Stainless steel antique copper				911.02.193
Stainless steel antique brass				911.02.194

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise lock with self-locking







Features

- Self-locking by deadbolt
- Anti-panic function - free accessibility by inner handle
- Can unlock by key from outside
- No need electrical control
- Free choice of handles
- Deadbolt 1 turn
- Suitable for or DIN left and DIN right hand
- Lever follower: ☐ 9 mm with reduction adaptor to 8 mm

Supplied with

1 Mortise lock

1 Reduction adaptor to 8 mm

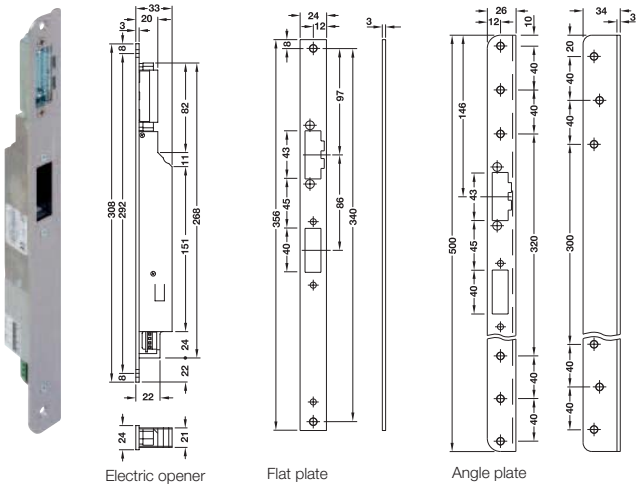
1 Set of fixing material

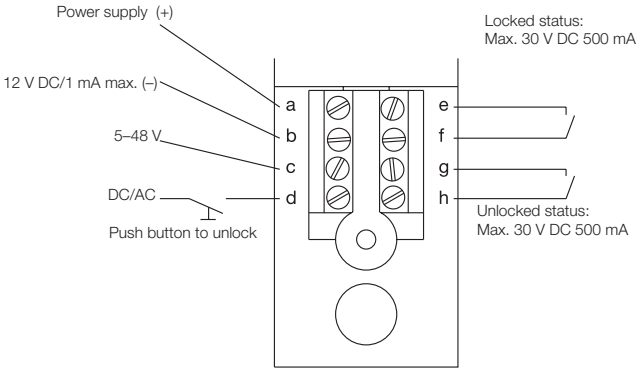
Forend	Latch/deadbolt/ lock case/follower	Cat. No.
Stainless steel matt	Steel	911.52.068

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Electric door opener





Technical data	
Power supply voltage V DC	12
Driver voltage V AC/DC	5-48
Rate current mA	500
Bolt depth mm	20
Approx. time to complete unlock sec	0.8
Unlocking time sec	3
Strength force N	6,000
Operating temperature °C	-20 – +60
Distrance between forend and striking plate mm	2–5.5

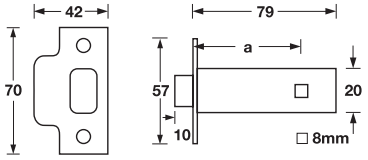
Version	Plate mm	Door type	Cat. No.
With flat plate	256 x 24 x 3	DIN left and right	911.68.081
With angle plate	500 x 34/26 x 3	DIN left	911.68.082
		DIN right	911.68.083

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise latch StarTec





Features

- For timber doors
- Operated with turn and release or lever handle
- Suitable for DIN left and rigth hand

Technical data

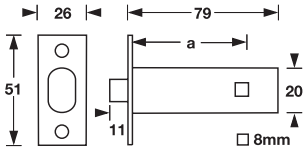
- Backset (a): 60 mm
- Lever follower: ☐ 8 mm

Material/Finish	Cat. No.
Stainless steel matt (304)	911.23.172
Brass polished	911.23.173

Packing : 1 pc. incl. fixing material

Mortise bolt StarTec





Features

- For timber doors
- Operated with turn and release
- Deadbolt 1-turn
- Suitable for DIN left and rigth hand

Technical data

- Backset (a): 60 mm
- Lever follower: ☐ 8 mm

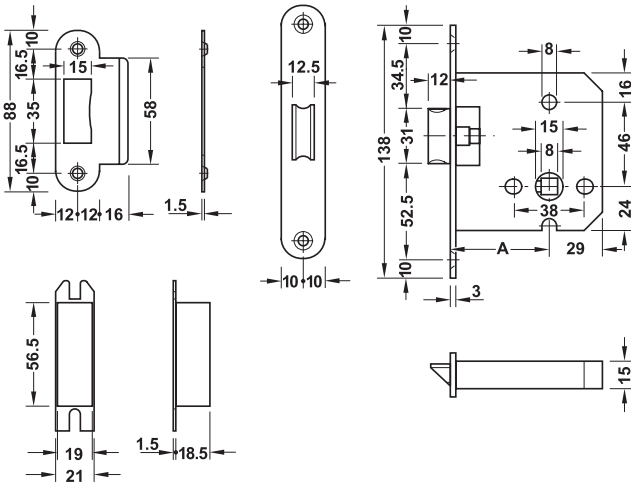
Material/Finish	Cat. No.
Stainless steel matt (304)	911.22.406
Brass polished	911.22.407

Packing : 1 pc. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise deadbolt lock





Features

- For timber doors
- Latch operates with lever handle
- Suitable for DIN left and right hand

Technical data

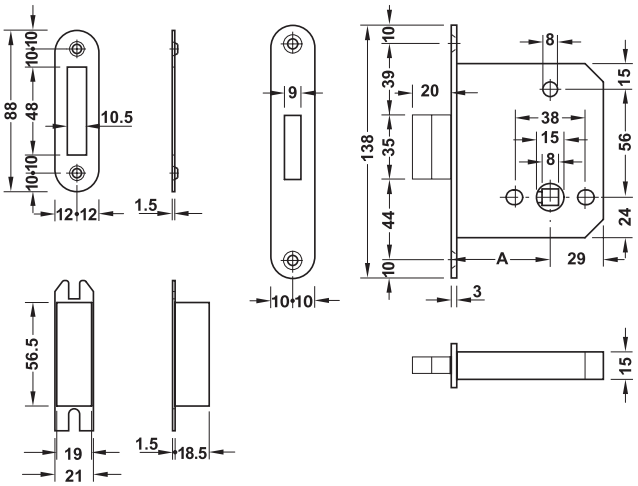
- Lever follower: □ 8 mm
- Backset (A): 55 mm

Material/Finish	Latch/follower	Cat. No.
Stainless steel (304)	Stainless steel	911.23.459
Brass polished PVD		911.23.461
Antique brass		911.23.460
Antique copper		911.23.462

Packing: 1 pc.

Mortise deadbolt lock





Features

- For timber doors
- Deadbolt operated with turn
- Deadbolt 2-turn

Technical data

- Lever follower: □ 8 mm
- Backset (A): 55 mm

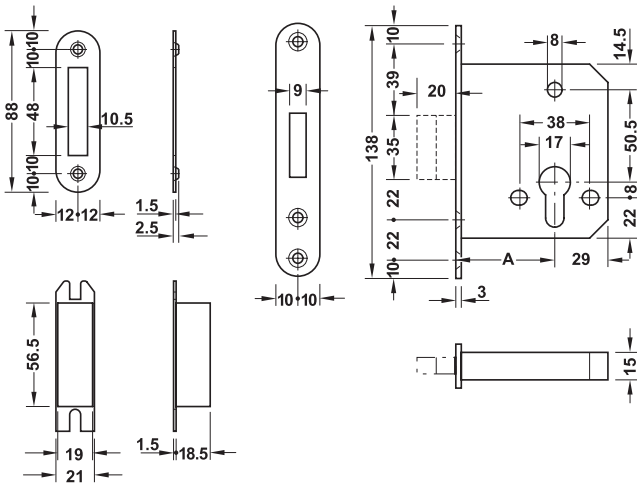
Material/Finish	Deadbolt/follower	Cat. No.
Stainless steel (304)	Stainless steel	911.22.552
Brass polished PVD		911.22.554
Antique brass		911.22.553
Antique copper		911.22.555

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise deadbolt lock





Features

- For timber doors
- Deadbolt operated with profile cylinder
- Deadbolt 2-turn

Technical data

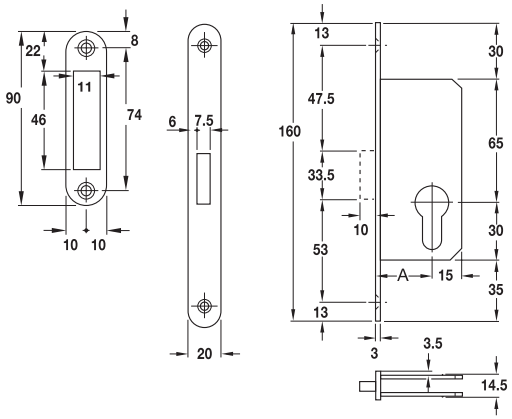
- Backset (A): 55 mm

Material/Finish	Deadbolt/forend	Cat. No.
Stainless steel (304)	Stainless steel	911.22.546
Brass polished PVD		911.22.548
Antique brass		911.22.547
Antique copper		911.22.549

Packing: 1 pc.

Mortise deadbolt lock StarTec





Features

- For timber doors
- Deadbolt operated with profile cylinder
- Deadbolt 1-turn

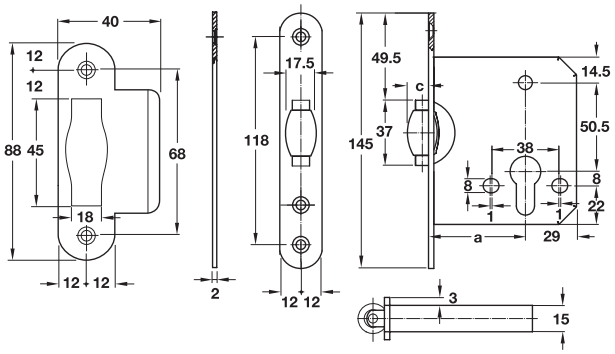
Material/Finish	Deadbolt	Backset (a) mm	Cat. No.
Stainless steel matt (304)	Zinc alloy	25	911.22.271
		30	911.22.274
		35	911.22.277
		40	911.22.280
		50	911.22.286
Brass polished		25	911.22.272
		30	911.22.275
		35	911.22.278

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise roller lock





Features

- For flush doors
- Roller operates with profile cylinder, lockable and key action

Technical data

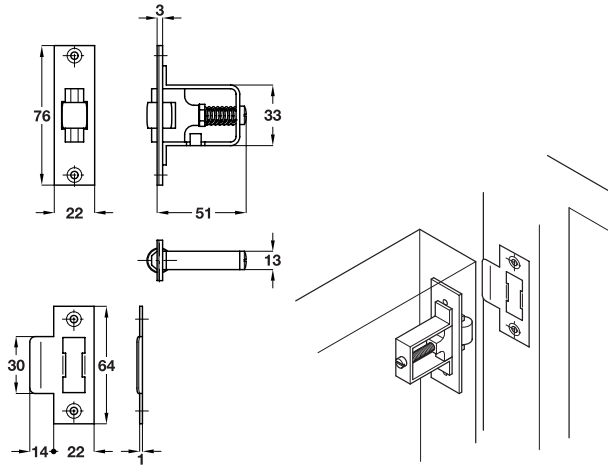
- Backset (a): 55 mm
- Roller latch moveable (c): 5–12 mm

Forend	Roller	Cat. No.
Stainless steel matt (304)	Steel	911.24.059

Packing: 1 pc.

Mortise swing door latch





Features

- For flush doors
- Rolling latch not lockable

Technical data

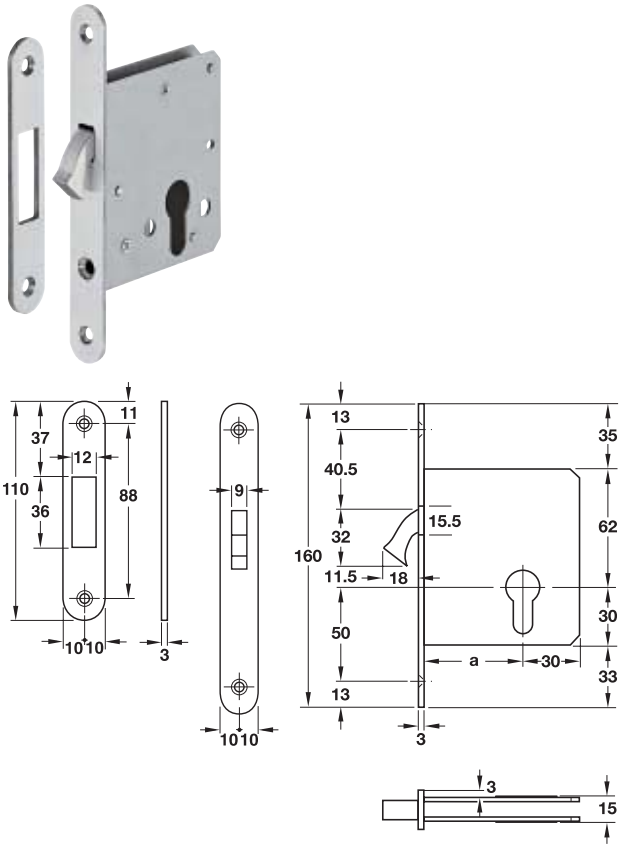
- Roller latch moveable: 7–15 mm

Material/Finish	Cat. No.
Stainless steel matt (304)	911.24.014
Brass polished	911.24.011

Packing : 1 pc. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise lock for sliding door StarTec



Features

- For timber doors
- Compass bolt operates with profile cylinder

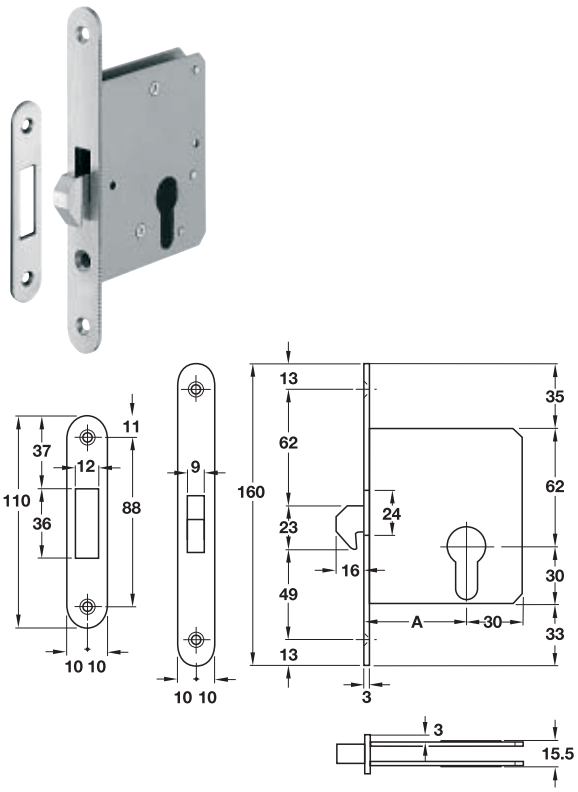
Technical data

- Backset (a): 55 mm

Forend/striking plate	Compass bolt	Cat. No.
Stainless steel matt (304)	Zinc alloy	911.26.292
Brass polished PVD		911.26.293
Antique copper		911.26.294
Antique brass		911.26.295

Packing : 1 pc

Mortise lock for sliding door StarTec



Features

- For timber doors
- For use with profile cylinder
- With rising hook latch
- Hook latch not interlocking

Technical data

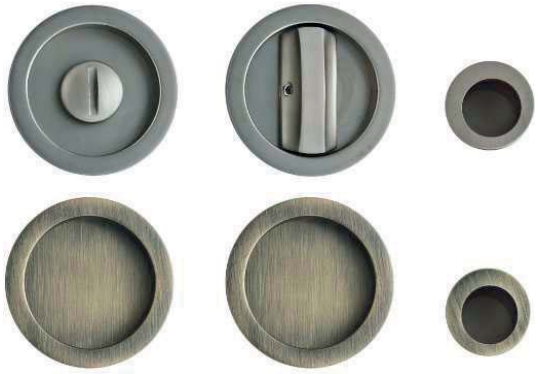
- Backset (A): 55 mm

Forend/striking plate	Cat. No.
Stainless steel matt (304)	911.26.030

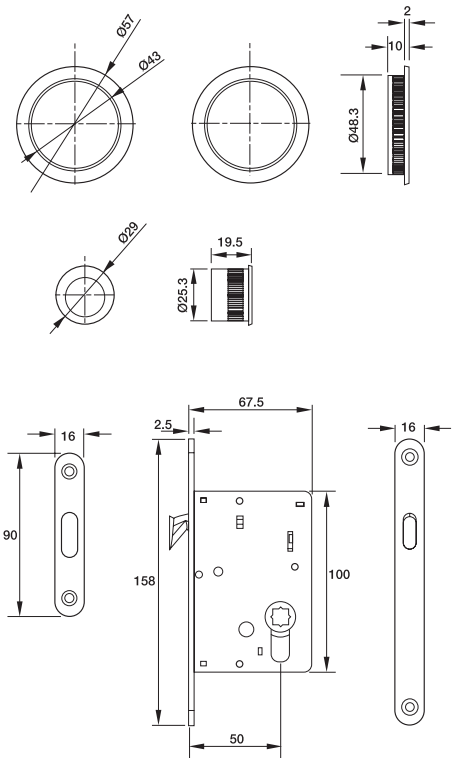
Packing : 1 pc

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise pull handle for sliding door







Features

- For timber doors

Technical data

- Backset: 50 mm
- For door thickness: 35–45 mm

Supplied with

1 Mortise lock

1 Striking plate

1 Pairs of flush handles

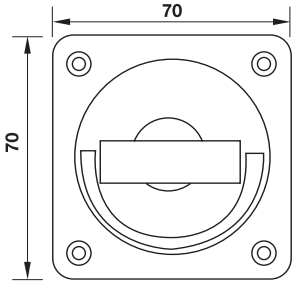
Material/Finish	Flush handle round	Dummy handle
Zinc alloy nickel plated satin	911.26.523	911.26.528
Zinc alloy brass plated polished	911.26.525	911.26.530
Zinc alloy antique brass plated	911.26.524	911.26.529
Zinc alloy antique copper plated	911.26.526	911.26.531

Packing : 1 pair

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Flush ring pull handle





Features

• For locks with 8 mm lever follower

Installation

• Screw fixing

Supplied with

1 Pair flush ring pull handles

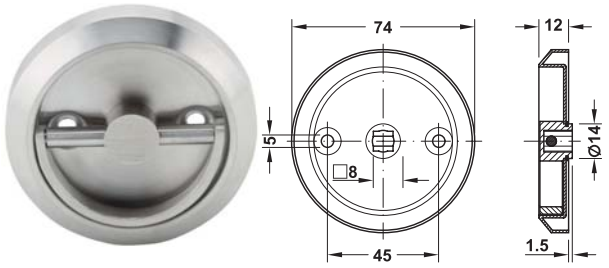
Fixing material

1 Spindle 8 x 60 mm

Material/Finish	Cat. No.
Stainless steel matt (304)	902.01.280

Packing: 1 pair

Flush ring pull handle with spindle



Features

• For locks with 8 mm lever follower

Installation

• Screw fixing

Supplied with

1 Pair flush ring pull handles

Fixing material

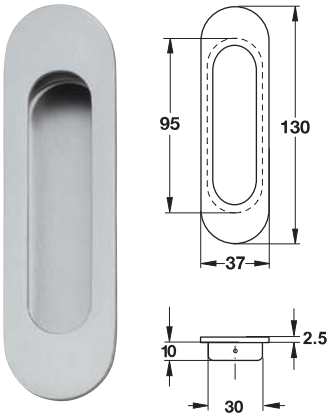
1 Spindle 8 x 60 mm

Material/Finish	Cat. No.
Stainless steel matt (304)	902.00.590
Stainless steel polished (304)	902.00.591

Packing : 1 pair

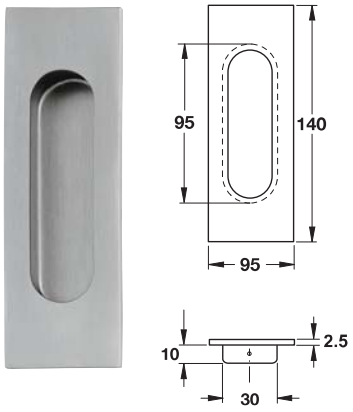
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Flush handle



Material/Finish	Cat. No.
Stainless steel matt	152.51.051
Antique copper	152.51.031
Antique brass	152.51.551

Packing : 1 pc.

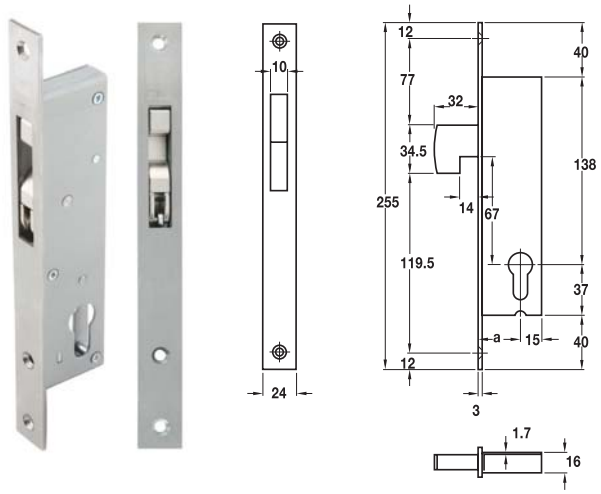


Material/Finish	Cat. No.
Stainless steel matt	152.52.051
Antique copper	152.52.031
Antique brass	152.52.551

Packing : 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise lock for sliding tubular door frame StarTec



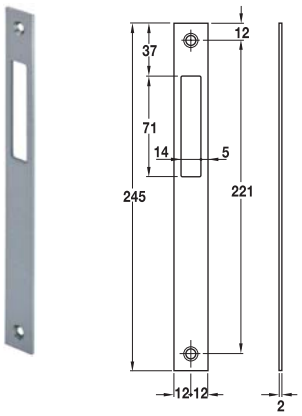
Features

- For tubular door frames made of metal, timber or plastic
- Hook pivot bolt is operated by profile cylinder
- Bolt 1-turn
- Protection against sawing by steel pin, inserted in hook pivot bolt

Forend	Hook pivot bolt	Lock case	Backset (a) mm	Cat. No.
Stainless steel matt (304)	Zinc alloy/steel nickel plated	Steel galvanized	30	911.75.111
			35	911.75.113

Packing : 1 pc.

Flat striking plate



Features

- For metal, timber or plastic frames
- For tubular door frame
- Suitable for DIN left and right hand

Supplied with

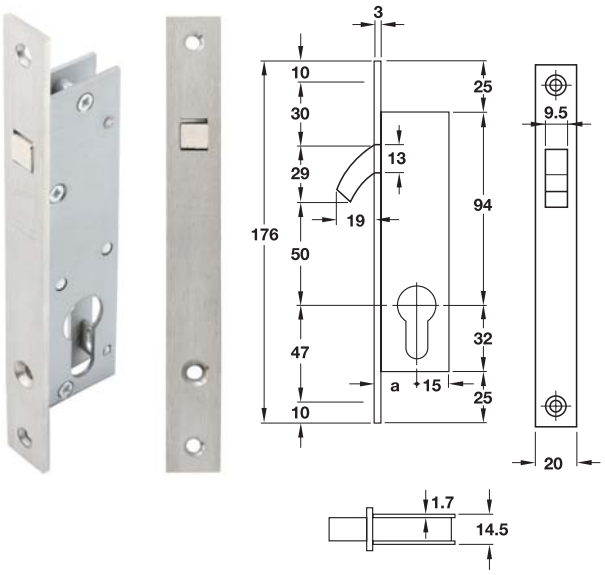
1 Set of fixing material

Material/Finish	Cat. No.
Stainless steel matt (304)	911.76.026

Packing : 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise lock for sliding tubular door frames StarTec



Features

- For tubular door frames of timber, metal and plastic
- Compass bolt operates with profile cylinder
- Bolt 1-turn

Technical data

- Backset (a): 20 mm

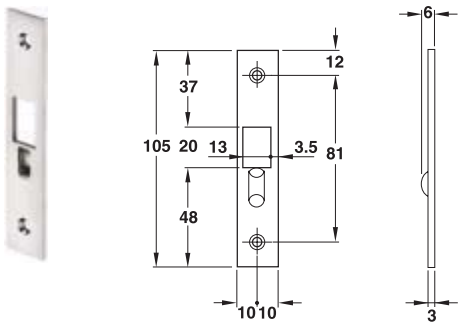
Supplied with

1 Mortise lock

Forend/striking plate	Compass bolt	Lock case	Cat. No.
Stainless steel matt (304)	Steel nickel plated	Steel galvanized	911.75.131

Packing : 1 pc.

Flat striking plate



Features

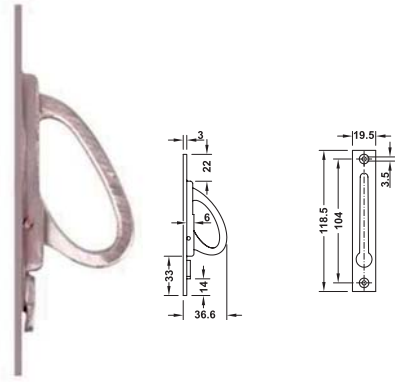
- For timber, metal and plastic frames
- For tubular door frames
- Suitable for DIN left hand and DIN right hand

Material/Finish	Cat. No.
Brass nickel plated matt	911.76.046

Packing : 1 pc

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise pull handle for sliding door StarTec

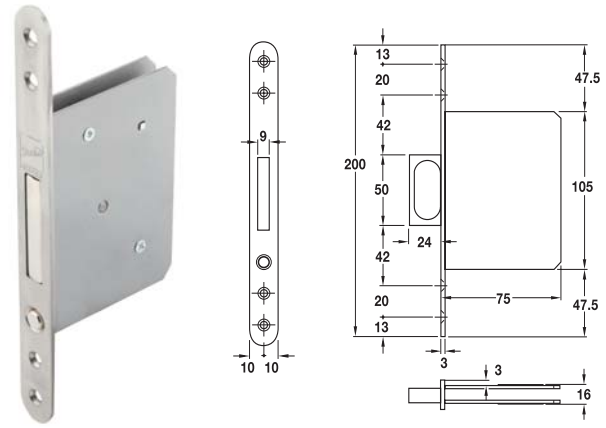


Features

- For timber doors
- To pull the sliding door out fo wall pocket

Material/Finish	Cat. No.
Stainless steel chrome plated polished	911.26.247
Stainless steel brass plated polished	911.26.245
Stainless steel nickel plated polished	911.26.246

Packing : 1 pc.



Features

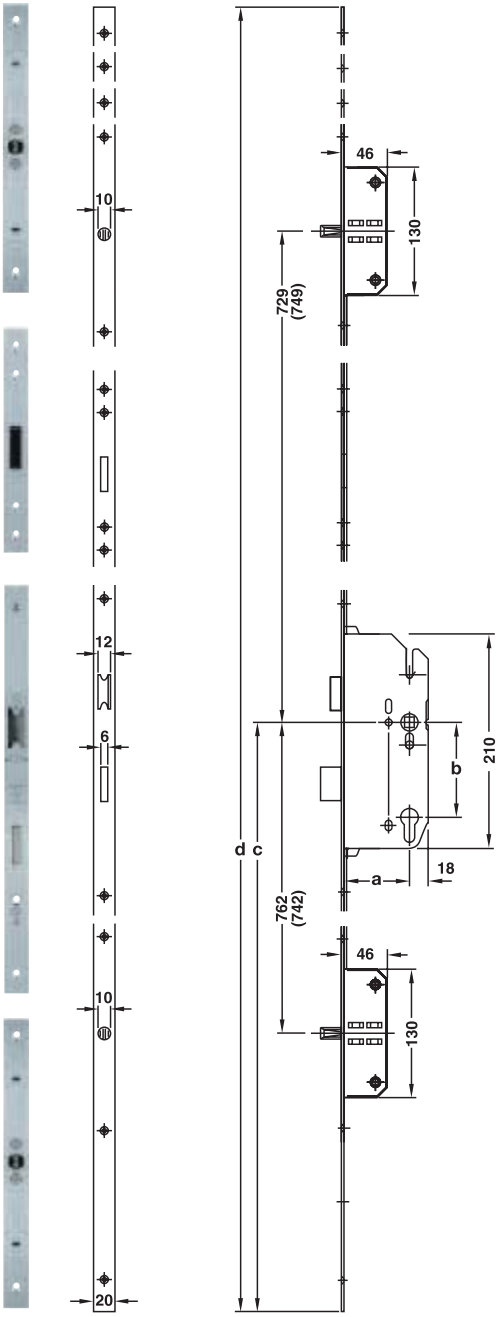
- For timber doors
- With pull handle for pocket door
- Pull handle is released by push button

Forend	Cat. No.
Stainless steel matt (304)	911.26.012
Brass polished protective lacquer	911.26.013

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Multiple locking device with 2 locking bolts



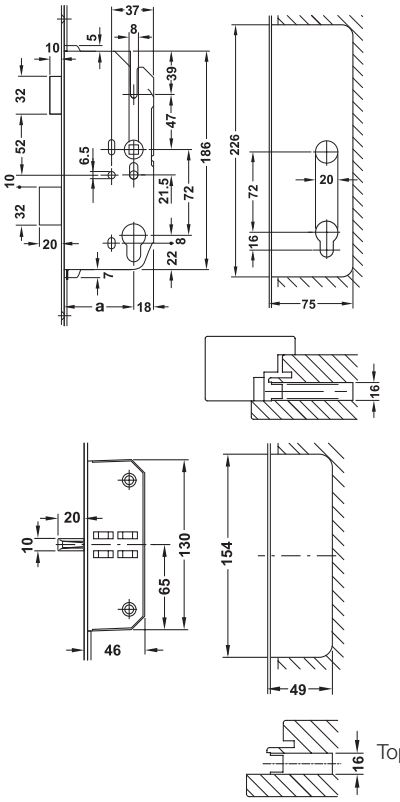
Features

- For timber wood
- Reversible latch for DIN left and DIN right hand
- Latch and deadbolt 2-turn are operated with profile cylinder
- With 2 locking bolts

Technical data

- Lever follower: □ 8 mm
- Backset (a): 55 mm
- Distance (b): 72 mm
- Lever handle height (c): 1,000 mm
- Forend length (d): 2,170 mm

Dimension

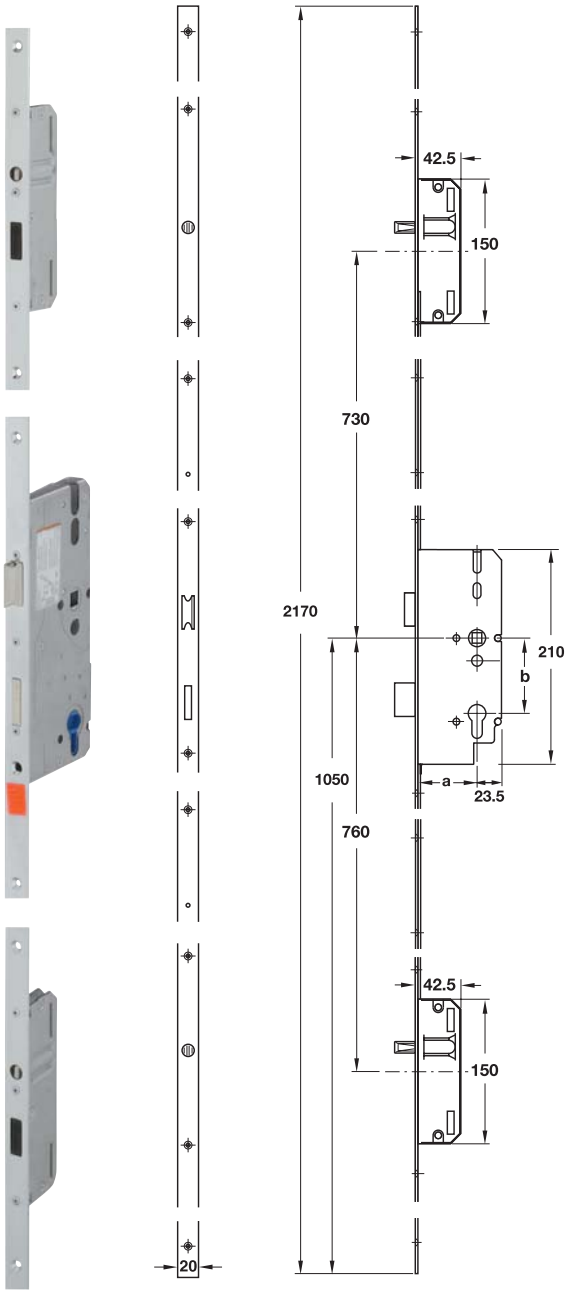


Top and bottom lock case

Forend	Latch/follower	Dead bolt/locking bolt/lock case	Cat. No.
Steel galvanized silver coloured	Zinc alloy	Steel	911.50.131

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Multiple locking device with locking bolts

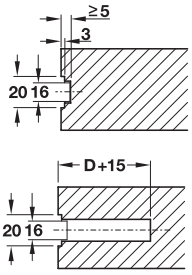


Features

- For timber doors
- Reversible latch for DIN left and right hand
- Latch operates with lever handle and key action
- Deadbolt and locking bolts are operated with profile cylinder, 2-turn
- Tested to DIN 18251-3

Technical data

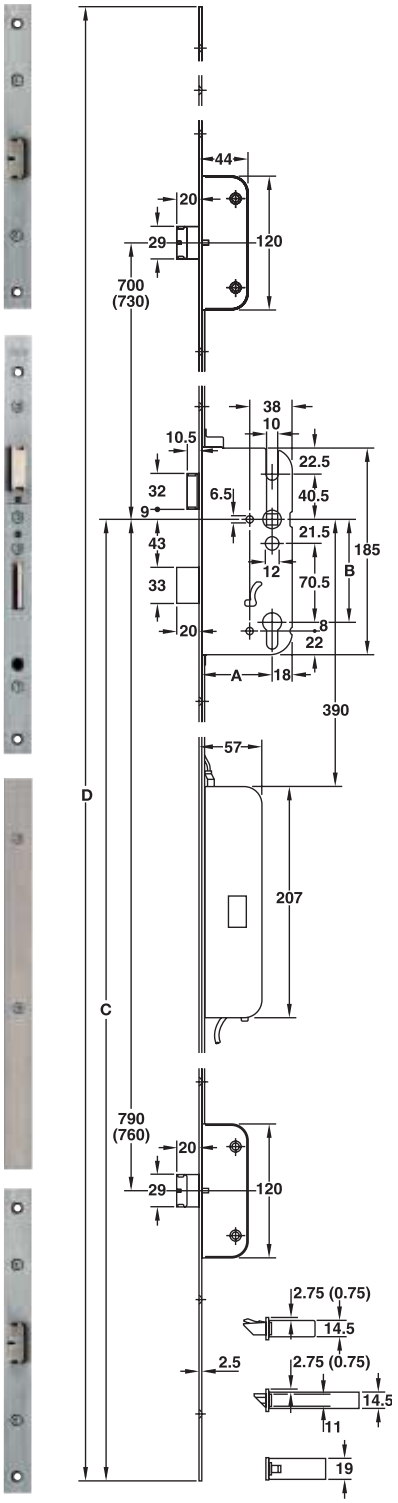
- Lever follower: □ 8 mm
- Backset (a): 55 mm
- Distance (b): 72 mm



Forend	Cat. No.
Stainless steel (304)	911.48.085

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Electrical multiple locking device with 2 automatic locking bolts



Features

- For timber doors for DIN left and DIN right hand
- Latch and deadbolt 1-turn are operated with profile cylinder
- With 2 automatic latchbolts, prelocking automatically when the door is closed

Technical data

- Power supply: 12 V AC/DC, max. 1 A
- Degree of protection: IP 40
- Lever follower: □ 10 mm

Supplied with

1 Multiple locking device
1 Connection cable approx. 6 m with plug and wire end sleeves
1 Plug with wire end sleeve

Opening and locking function

Automatic locking:

- Latchbolts are automatically pre-locked when the door is closed

Automatic release (motorised):

- Inside: By push the button, i.e. intercom
- Latchbolt and automatic latchbolt retracting simultaneously
- Outside: By access control system

Mechanical activation (always possible):

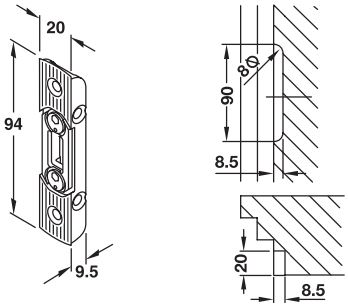
- Inside: By lever handle activation
- Outside: With key

Forend	Automatic latchbolt/deadbolt	Latch/follower	Lock case	Cat. No.
Stainless steel matt	Zinc alloy with hardened steel core	Zinc alloy	Steel	911.49.065

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

2

Flanged striking plate for locking bolt



Features

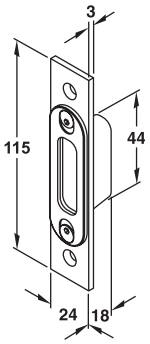
- For multiple locking device with locking bolt

Technical data

- Forend: 20 mm
- For 4 mm rebate gap
- Closing pressure adjustable by +2 mm

Material/Finish	Cat. No.
Stainless steel silver coloured galvanized	911.39.510

Flanged striking plate for automatic latchbolt



Features

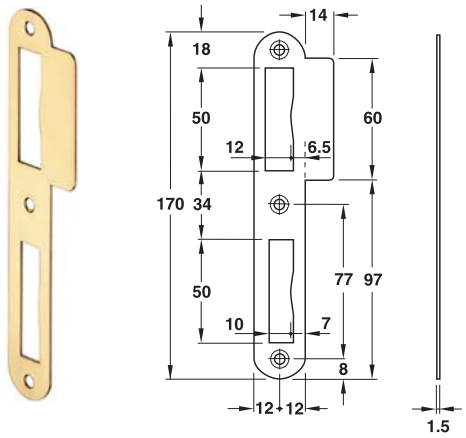
- For multiple locking device with automatic latchbolt

Technical data

- Forend: 24 mm
- For rebate gap: 14–16 mm
- Closing pressure adjustable by +2 mm

Material/Finish	Cat. No.
Stainless steel matt	911.39.214

Flanged striking plate



Features

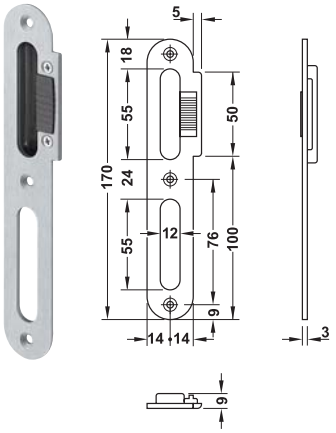
- For multiple locking devices locking bolt
- For flush doors
- Lug straight for DIN left and right hand

Material/Finish	Cat. No.
Stainless steel matt (304)	911.39.810

Packing: 1 pc. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Adjustable flanged striking plate

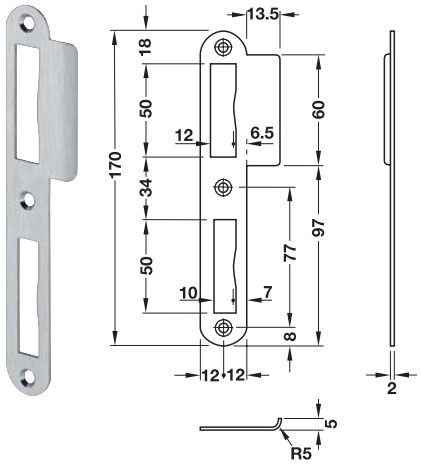


Features

- For timber door and flush door
- Straight flange, adjustment range 3 mm

Material/Finish	DIN left hand	DIN right hand
Steel matt	911.39.216	911.39.217

Flanged striking plate



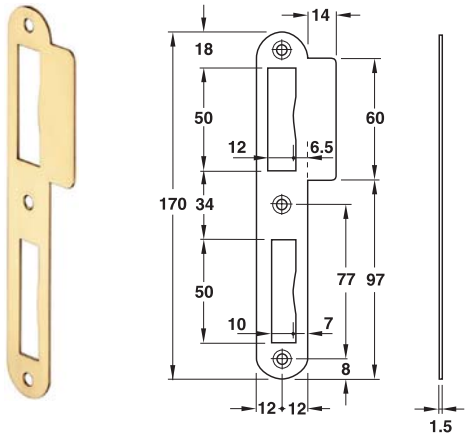
Features

- For metal, plastic or timber doors, for flush doors
- Lug curve

Material/Finish	DIN left hand	DIN right hand
Stainless steel (304)	911.39.007	911.39.008
Brass polished	911.39.009	911.39.010

Packing: 1 pc. incl. fixing material

Flanged striking plate StarTec



Features

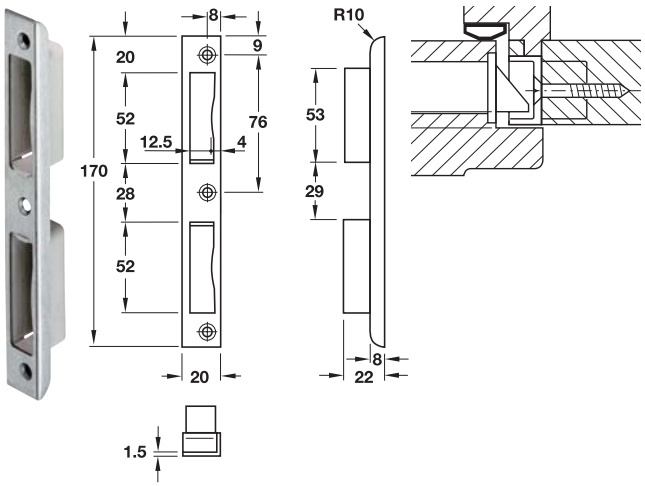
- For metal, plastic or timber frames, for flush doors
- Lug straight
- Suitable for DIN left and right hand

Material/Finish	Cat. No.
Stainless steel matt (304)	911.39.810
Brass polished	911.39.812
Antique copper	911.39.813
Antique brass	911.39.814

Packing: 1 pc. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Recessed striking plate StarTec



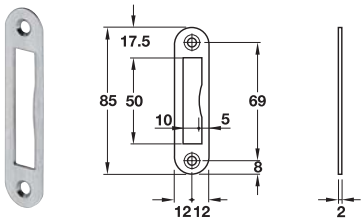
Features

- For rebated doors
- For 2-turn mortise locks
- Suitable for DIN left hand and DIN right hand
- With plastic tray

Material/Finish	Cat. No.
Stainless steel matt (304)	911.39.013

Packing: 1 pc.

Striking plate StarTec



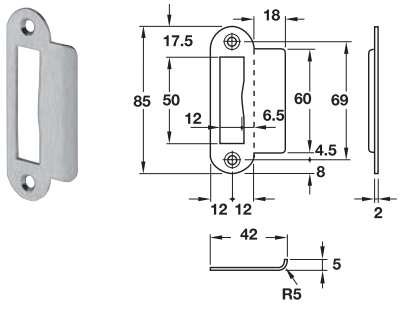
Features

- For timber frames, for rebated and flush doors
- Suitable for DIN left and right hand

Material/Finish	Cat. No.
Stainless steel matt (304)	911.39.332
Brass polished with protective lacquer	911.39.333

Packing: 1 pc.

Flanged striking plate StarTec



Features

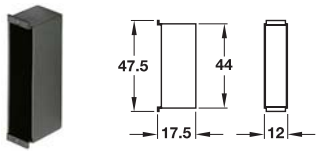
- For timber frames, for flush doors
- Suitable for DIN left and right hand
- Lug angled

Material/Finish	Cat. No.
Stainless steel matt (304)	911.39.322
Brass polished with protective lacquer	911.39.323

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Deadbolt pocket StarTec



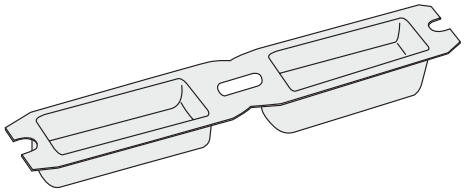
Features

- Suitable for 2-turn locks
- For striking plate

Material/Finish	Cat. No.
Plastic black	911.39.074

Packing: 1 pc.

Striking plate plastic box StarTec



Features

- For striking plates
- For deabolt 2-turn
- Suitable for DIN left and right hand

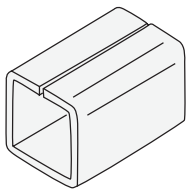
Installation

- Screw fixing

Material/Finish	Cat. No.
Plastic white	911.76.060
Plastic black	911.76.061

Packing: 1 pc.

Adjustment spindle for the lever handle follower StarTec



Features

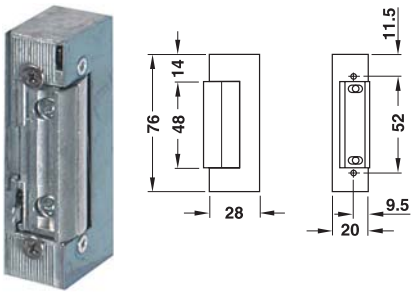
- Mounting accessories for door handle
- For installation into the lever follower

Material/Finish	Compensation	Cat. No.
Steel bright	7 to 8	909.40.500
	8 to 9	909.40.501
	8 to 10	909.40.502

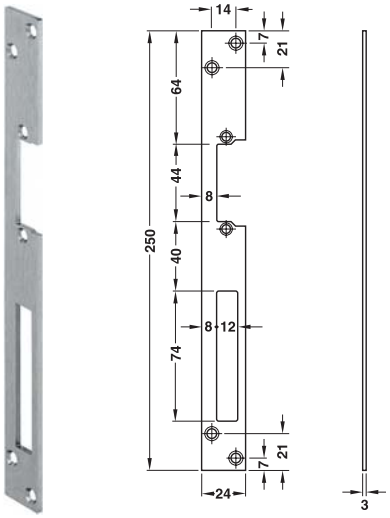
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

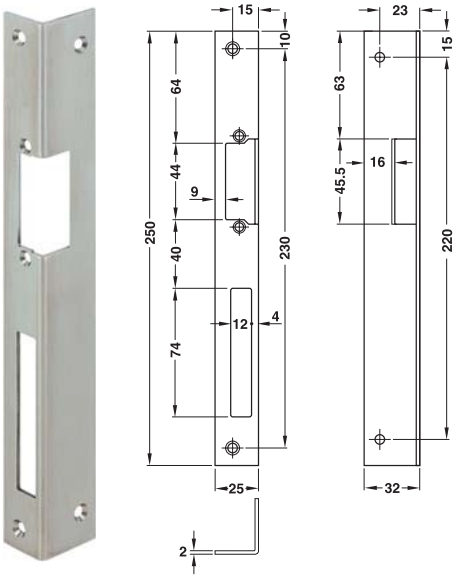
Electric strike



Electric strike without striking plate



With flat striking plate



With angled striking plate

Features

- For wooden or metal door frames

Technical data

- Voltage: 6–12 V AC/DC
- Direct current consumption: 6 V = 0.80 A, 12 V = 1.53 A
- Alternating current consumption: 6 V = 0.65 A, 12 V = 1.35 A
- Resistance: 6.5

Material/Finish

- Housing and latch: Zinc alloy
- Striking plate: Stainless steel matt

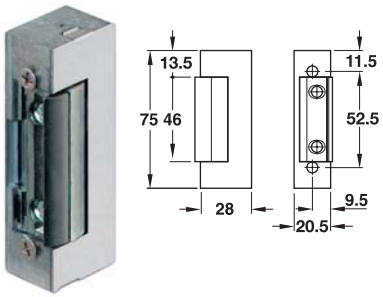
Function

- With adjustable latch
- Fail-secure (fail-locked)

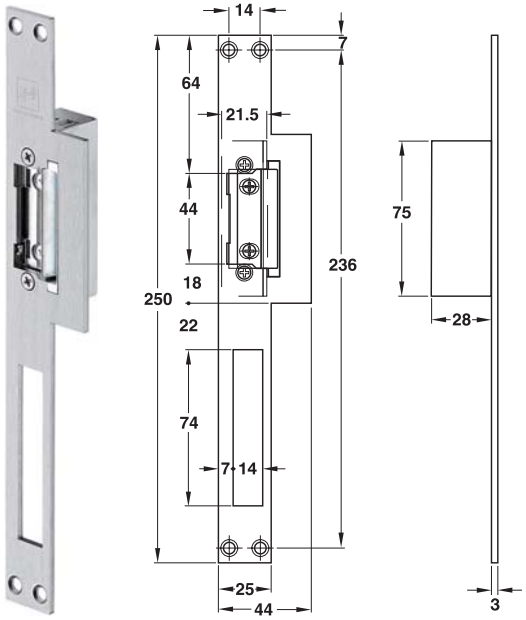
Version	Mounting	Cat.No.
Electric strike without striking plate	DIN left and right	911.68.019
Flat striking plate	DIN left and right	911.68.025
With angled striking plate	DIN left	911.68.040
	DIN right	911.68.041

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

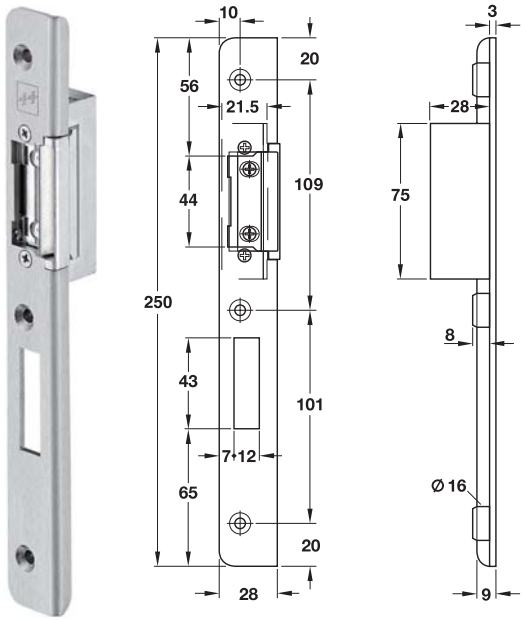
Electric strike model 116



Model 116 without striking plate



Model 116E with flat striking plate



Model 116E with angled striking plate

Features

- For wooden or metal door frames
- For flush door

Technical data

- Voltage: 6–12 V AC/DC
- Direct current consumption: 6 V = 0.66 A, 12 V = 1.30 A
- Alternating current consumption: 6 V = 0.55 A, 12 V = 1.10 A
- Resistance: 9.1

Material/Finish

- Housing and latch: Zinc alloy
- Striking plate: Stainless steel matt

Function

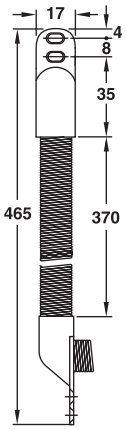
- With adjustable latch
- Fail-secure (fail-locked)

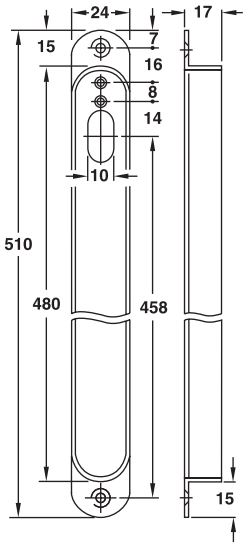
Version	Mounting	Model	Cat.No.
Without striking plate			
Without mechanical release	DIN left and right	116	911.68.180
With mechanical release		116E	911.68.181
With flat striking plate			
Lid latch guide and mechanical release	DIN left and right	116E	911.68.055
With angled striking plate			
Lid latch guide and mechanical release	DIN left	116E	911.68.056
	DIN right	116E	911.68.057

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Cable transition model KUE 480







Features

- For power supply from door frame to door panel
- Concealed installation

Technical data

- Max. flexible cable Ø8 mm through
- Max. opening angle: 180°

Material/Finish	Cat. No.
Stainless steel matt	912.02.010

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mortise jig for cutting a mortise lock





Features

- For the rational fitting of mortise locks
- Also ideal for on-the-spot fitting
- Made for small quantity of router jobs
- Continuously adjustable for all common door thicknesses
- Maxi. routing depth: 100 mm, extendable with 285 mm shaft
- Use with a normal electric drill of 13 mm chuck
- With transport case

Supplied with

1 Routing gauge
1 Shaft length 220 mm
1 Router Ø18 mm
1 Router Ø20 mm
1 Router Ø24 mm
1 Depth stop
1 3 mm Allen key
1 Transport case

Area of appilcation	Cat. No.
For flush door	001.67.710

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

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Wood cutter for mortise jig



Features

- Enables the cutter to quick release
- With special geometry for increased cutting speed (up to 50%) and longevity of sharpness retention

Diameter mm	Cat. No.
16.2	001.67.842
17.5	001.67.843
19.0	001.67.844
20.0	001.67.845
20.6	001.67.846
22.2	001.67.847
23.0	001.67.848
23.8	001.67.849
25.4	001.67.850
27.0	001.67.851
28.6	001.67.852
31.8	001.67.853

Packing: 1 pc.

Housing kit for rebated doors



Features

- Fits standard shaft, long shaft and long drill adapter

Area of appilcation	Cat. No.
For rebated door	001.67.713

Packing: 1 pc.

Housing kit for flush door



Features

- Fits standard shaft, long shaft and long drill adapter

Area of appilcation	Cat. No.
For flush door	001.67.749

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Shaft



Features

- Standard shaft: Lenght 220 mm, replacement shaft for mortise jig
- Long shaft: Length 298 mm
- Material: Steel

Version	Cat. No.
Standard shaft for routing depth up to 100 mm	001.67.742
Long shaft for routing depth up to 180 mm	001.67.743

Packing: 1 pc.

Depth stop



Features

- For restricting the drilling depth
- For standard and long shafts

Material	Cat. No.
Steel	001.67.747

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Drilling facility for drilling through holes of main leads and data cables



With drilling facility for drilling of cable channels in door leaves for mains leads and data cables.
After cutting the mortise fit the long drill adapter onto the depth stop to allow long bores up to 1,250 mm.
The automatic guidance means that the drill bit cannot "over run" the cut area.

Long drill bit Ø10 mm



Features

- For drilling through full width of door
- For electric cables etc.

Length mm	Cat. No.
950	001.67.760
1,250	001.67.761

Packing: 1 pc.

Order reference

Please order the long drill adapter separately.

Long drill adapter



Features

- Long drill bit preventing of “over running” the cut area

Area of application	Cat. No.
For fitting onto the depth stop of the mortise jig	001.67.749

Packing: 1 pc.

Door gripper, adjustable



Features

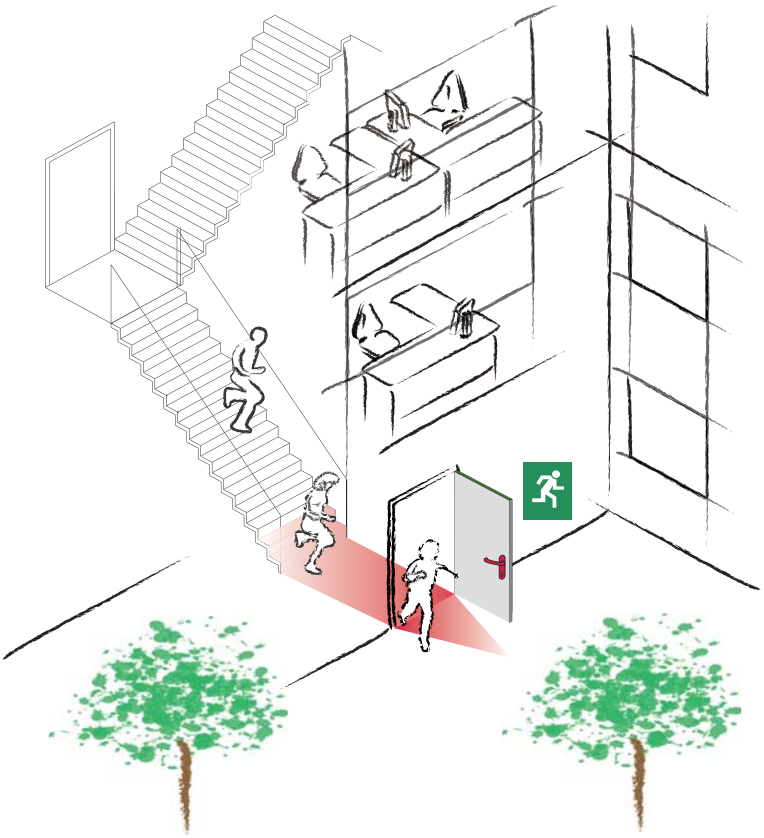
- For securely fixing and clamping of doors or boards
- Span width: 20–44 mm

Material	Cat. No.
Plastic	008.07.290

Packing: 1 pc.

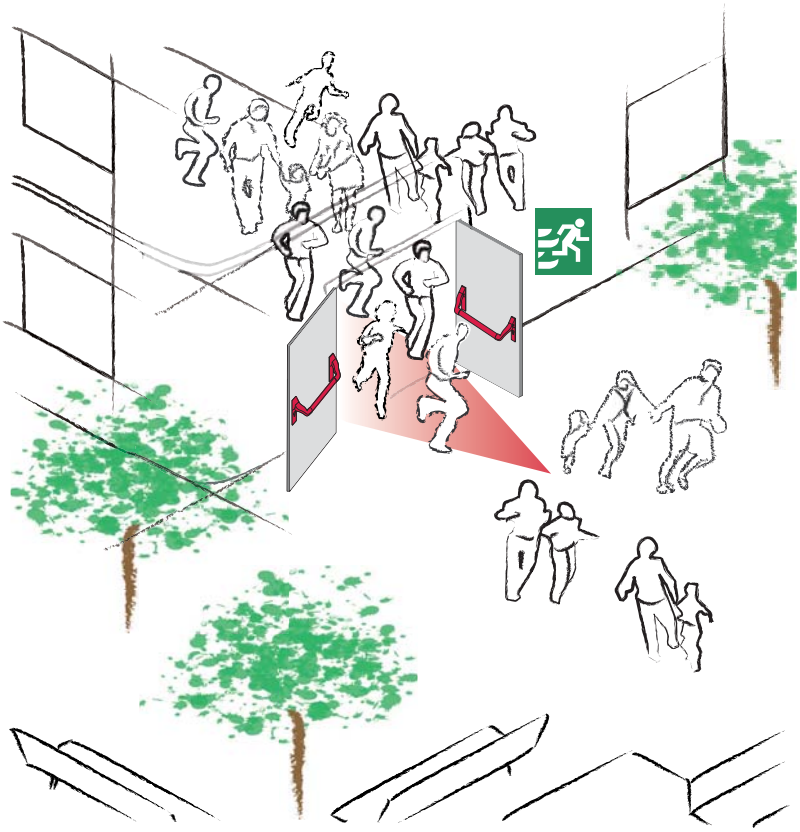
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Emergency exit device EN 179



The standard cover devices have to be used in emergency situations if people are familiar with the emergency exit and whose hardware. In this situation a panic is most unlikely to develop. Lever handle operated escape mortise locks or push pads may used therefore.

Panic exit device EN 1125



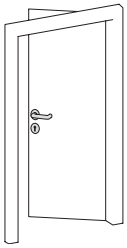
The standard cover devices have to be used in panic situations if people are not familiar with the emergency exit and whose hardware but must be able to open the hardware intuitive. An horizontal operated touch bar is here required.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

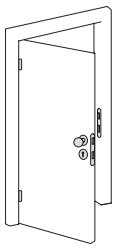
Emergency exit device PE 120



Description of function



Inside:
Door opens by activating the lever handle (escape door function) and locks with the key. Panic function only permitted with removed key. No thumbturn cylinder allowed otherwise damages to the lock may occur.



Outside:
Door opens and locks with key

Feature

- For single doors
- For fire resistant and smoke control doors in compliance with DIN 4102
- For fire resistant entrance doors in compliance with EN 1634
- For wooden or steel doors in compliance with DIN 18250

Technical data

- Max. door height: 2,500 mm
- Max. door width: 1,300 mm
- Max. door weight: 200 kg
- Backset: 65 mm
- Forend: 24 mm
- Distance: 72 mm
- Lever follower: □ 9 mm

Supplied with

1 Lever handle with rose
1 Fixed knob with rose
2 Profile cylinder escutcheons
1 B2326 mortise panic lock
1 Flanged striking plate

Material/Finish	Mounting	Cat. No.
Stainless steel matt	DIN left	911.52.447
	DIN right	911.52.445

Order reference

Please order 1 spindle 9 mm (lever handle-fixed knob) and 4 countersunk screws M5 separately.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Emergency exit device PZA 110

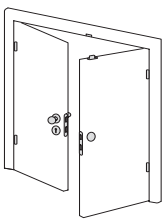


Description of function



Inactive leaf, inside:
Active and inactive leaf can be opened with rotating lever (escape door function with double effect). Shoot bolts lock automatically the inactive leaf when close. The door co-ordinator is integrated in the door closer.

Active leaf, inside:
Active leaf can be opened by activating the lever handle (escape door function) and locked with the key. Panic function is only permitted with removed key. No profile cylinder allowed otherwise damages to the lock may occur.



Outside:
Door opens and locks with key

Feature
- For double doors
- For fire resistant and smoke control doors in compliance with DIN 4102
- For fire resistant entrance doors in compliance with EN 1634
- For wooden or steel doors in compliance with DIN 18250

Technical data
- Max. door height: 2,500 mm
- Max. door width: 1,300 mm
- Max. door weight: 200 kg
- Backset: 65 mm, forend: 24 mm
- Distance: 72 mm, lever follower: □ 9 mm

Supplied with
1 Lever handle with rose
1 Fixed knob with rose
2 Profile cylinder escutcheons
1 Rotating lever with rose
1 Escutcheon without aperture
1 B2329 mortise panic lock and 1 B2390 shoot bolt lock
1 Top shoot bolt, tube with glide plug
1 Bottom shoot bolt, solid
1 Bar guide plate, rounded
1 Easy clean socket

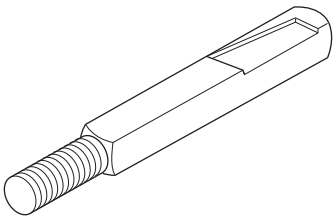
Material/Finish	Mounting	Cat. No.
Stainless steel matt	DIN left	911.53.447
	DIN right	911.53.445

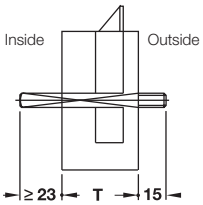
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

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Spindle 9 mm





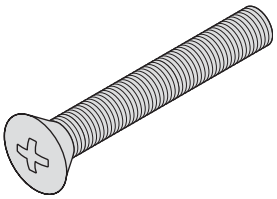
Lever handle - fixed knob,
rotating lever - dummy rose,
T = door thickness

Feature

- For emergency exit doors in compliance with DIN EN 179/1125
- Steel galvanized and chromatized

For door thickness mm	Spindle mm	Cat. No.
37–47	75	909.61.430
47–57	85	909.61.431
57–67	95	909.61.432
67–77	105	909.61.433

Countersunk screw M5



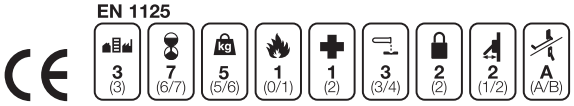
Feature

- Compliance with ISO 7046
- Steel galvanized and chromatized

For door thickness mm	Spindle mm	Cat. No.
37–42	35	909.70.335
42–52	40	909.70.340
52–62	50	909.70.350
62–72	60	909.70.360

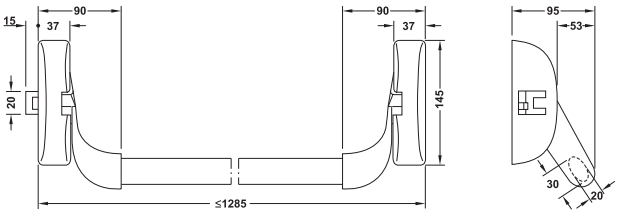
Panic exit device PED 200 – horizontal lock

EN 1125









Feature

- For fire resistant door
- Steel touchbar mechanism powder coated black
- Basic module
- Standard EN 1125 in conjunction with approved accessories

Technical data

- Max. door width: 1,300 mm
- Max. door weight: 200 kg
- Lever follower: □ 8 mm

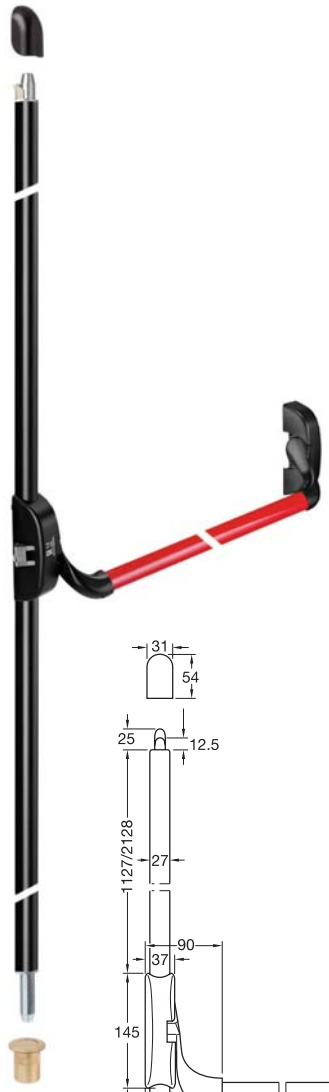
Bar	Cat. No.
Steel powder coated	901.02.449
Stainless steel matt	903.03.014

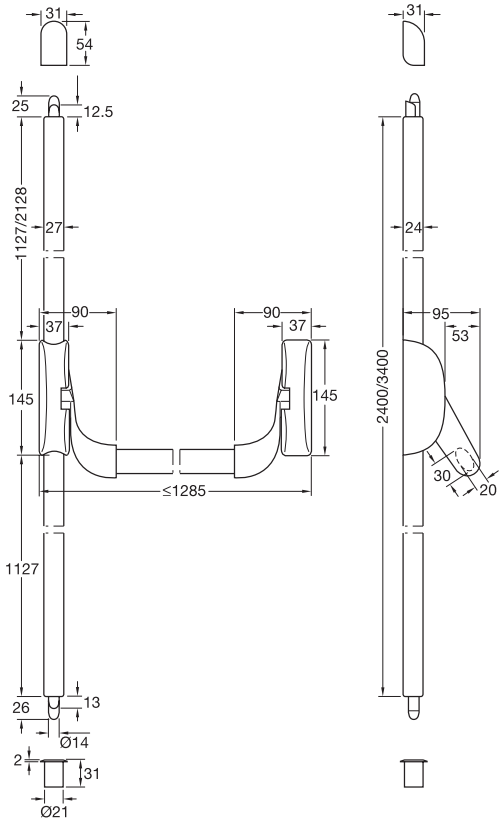
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Panic exit device PED 210 – horizontal lock

EN 1125

3 (3)	7 (6/7)	6 (5/6)	1 (0/1)	1 (2)	4 (3/4)	2 (2)	2 (1/2)	A (A/B)





Feature

- For fire resistant door
- Steel touchbar mechanism powder coated black
- Basic module with vertical locking action
- Standard EN 1125 in conjunction with approved accessories

Technical data

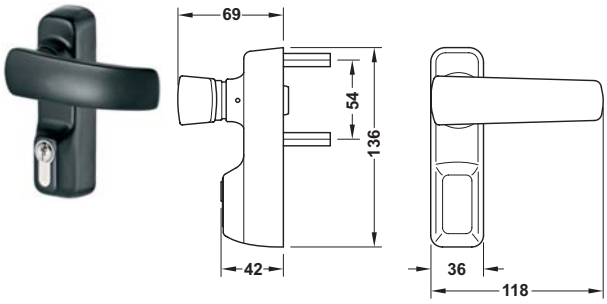
- Max. door height: 2,400 mm
- Max. door width: 1,300 mm
- Max. door weight: 200 kg
- Lever follower: □ 8 mm

Bar	Cat. No.
Steel powder coated	901.02.459
Stainless steel matt	903.03.016

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Accessories for panic exit devices PED 200/210 standard EN1125

Lever handle for outer side

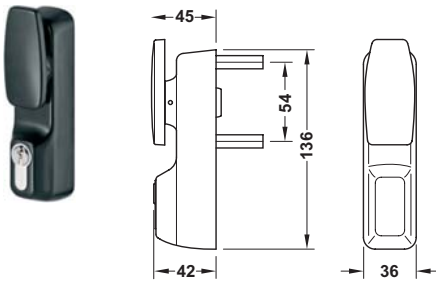


Material/Finish	Cat. No.
Steel black	911.52.113

Order reference

Please order single cylinder 27.5/10 mm separately.

Knob for outer side



Material/Finish	Cat. No.
Steel black	911.52.114

Order reference

Please order single cylinder 27.5/10 mm separately.

Dogging device, hold-open kit

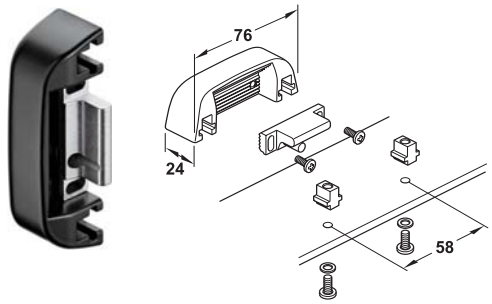


Feature

- Retrofitting the “permanent open function” on panic door

Material/Finish	Cat. No.
Steel	909.09.907

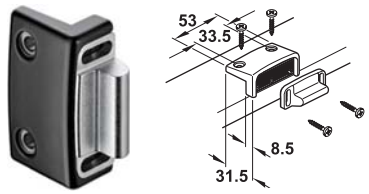
Top striking plate



Feature

- For double doors, frame with rebate up to 11 mm

Material/Finish	Cat. No.
Steel black	911.52.116



Feature

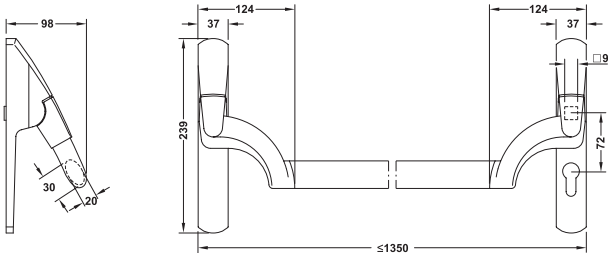
- For double doors, frame with rebate 14–24 mm

Material/Finish	Cat. No.
Steel black	911.52.117

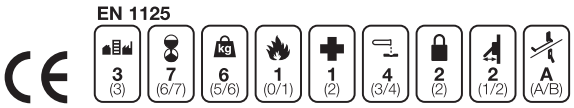
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Panic exit device PED 100 – mortise lock with cylinder





EN 1125



Feature

- For fire resistant door
- Steel touchbar mechanism powder coated black
- With cylinder aperture
- Standard EN 1125 in conjunction with approved accessories

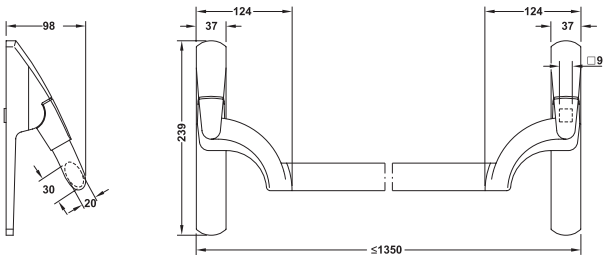
Technical data

- Max. door width: 1,400 mm
- Max. door weight: 200 kg
- Backset: 65 mm
- Distance: 72 mm
- Lever follower: □ 9 mm

Bar	Cat. No.
Steel powder coated	901.02.439
Stainless steel matt	903.03.010

Panic exit device PED 100 – mortise lock without cylinder





EN 1125



Feature

- For fire resistant door
- Steel touchbar mechanism powder coated black
- Without cylinder aperture
- Standard EN 1125 in conjunction with approved accessories

Technical data

- Max. door width: 1,400 mm
- Max. door weight: 200 kg
- Backset: 65 mm
- Lever follower: □ 9 mm

Bar	Cat. No.
Steel powder coated	901.02.429
Stainless steel matt	903.03.012

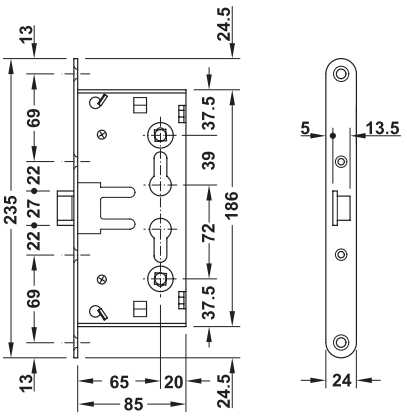
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

HÄFELE

2

Mortise latch lock PED 100, panic function E





Feature

- For active leaf of panic door
- For profile cylinders

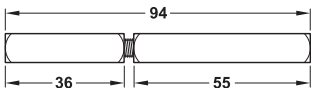
Technical data

- Backset: 65 mm
- Distance: 72 mm
- Lever follower: ☐ 9 mm, split

Material/Finish	Cat. No.
Steel galvanized	911.52.112

Spindle PED 100 for mortise lock



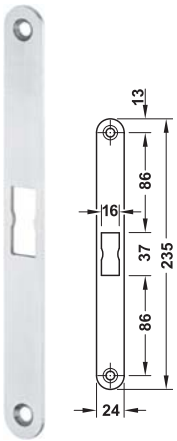


Feature

- Lever follower: ☐ 9 mm, split

Material/Finish	Cat. No.
Steel galvanized	909.09.909

Striking Plate PED 100



Feature

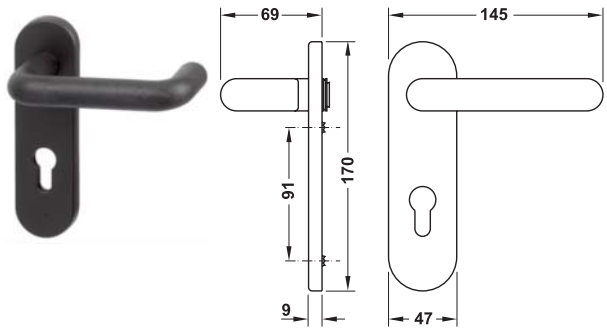
- Suitable for panic lock.

Material/Finish	Cat. No.
Steel galvanized	911.39.287

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Accessories for PED 100 standard EN1125

Lever handle for outer side

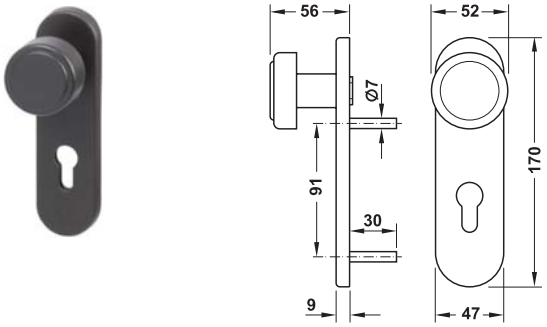


Material/Finish	Cat. No.
Steel black	911.52.126

Order reference

Please order single cylinder 27.5/10 mm separately.

Knob for outer side



Material/Finish	Cat. No.
Steel black	911.52.127

Order reference

Please order single cylinder 27.5/10 mm separately.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Panic exit device StarTec

- Area of application: For rebated or flush, single or couple wooden or steel doors
- Suitable for emergency exit door
- Door width: 840–914 mm
- Door thickness: 40–75 mm
- Suitable for DIN left and DIN right hand UL listed for ANSI A 156.3

Function

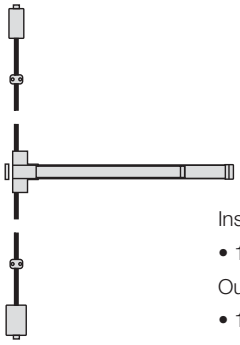
- Opening of door from inside: By pushing the touchbar
- Opening of door from outside(optional): By activating lever handle and key to lock or unlock

Product components for single doors



Inside:
- 1 Touchbar Ⓐ

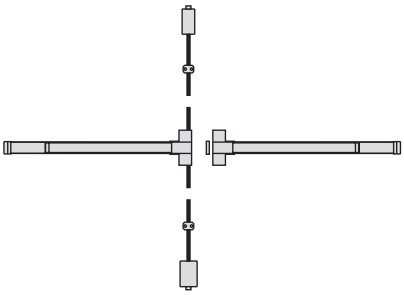
Outside:
- 1 Lever handles with round rosette Ⓓ



Inside:
- 1 Touchbar with vertical locking rod Ⓑ

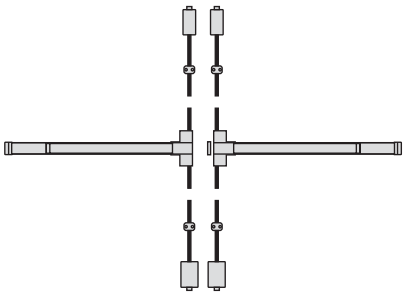
Outside:
- 1 Lever handle on backplate Ⓓ

Product components for double doors



Inside:
- Action leaf: 1 Touchbar Ⓐ
- Inactive leaf: 1 Touchbar with vertical locking rod Ⓑ and 1 striking plate Ⓒ

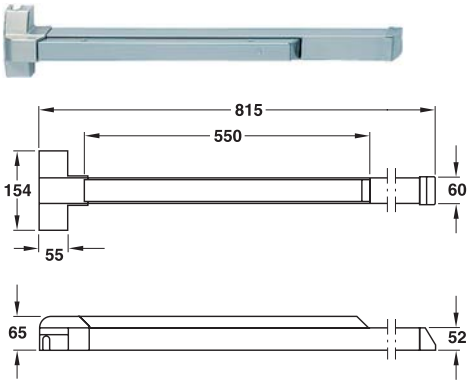
Outside:
- 1 Lever handle on backplate Ⓓ



Inside:
- Action and inactive leaf: Action and inaction leaf: 1 Touchbar with vertical locking rod Ⓑ each panel

Outside:
- 1 Lever handle witrh round rosette Ⓓ

Ⓐ Touchbar



Supplied with

1 Touchbar

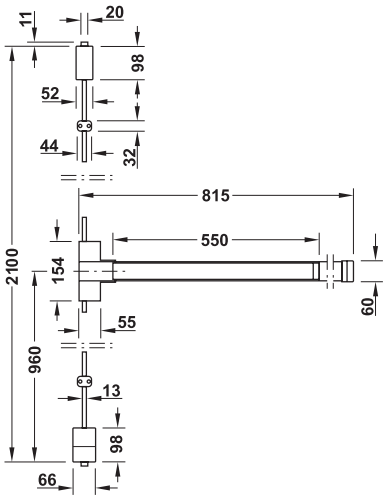
1 Striking plate

Material/finish	Cat. No.
Stainless steel	911.56.036
Steel silver coloured	911.52.634

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓑ Touchbar with vertical locking rod



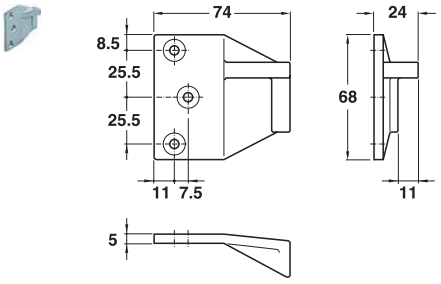


Technical data

- Touchbar height to finished floor: 1,043 mm at center

Material/Finish	Cat. No.
Stainless steel	911.56.037
Steel silver coloured	911.56.064

Ⓒ Striking plate

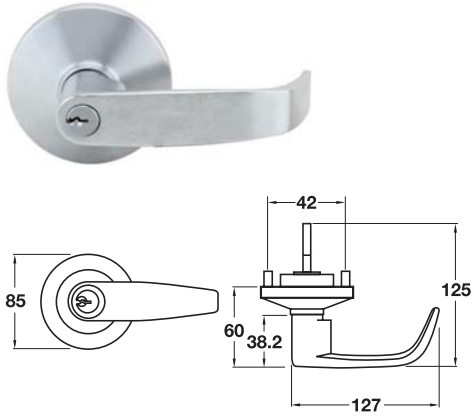


Feature

- For double doors using touchbar Ⓐ on active leaf and touchbar with vertical locking rod Ⓑ on inactive leaf

Material/Finish	Cat. No.
Stainless steel	911.56.024

Ⓓ Lever handle with round rosette



Version	Cat. No.
Level handle with round rosette for door thickness 40–55 mm	911.56.038
Adapter for door thickness 65–70 mm	911.56.019

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Knob lockset light duty StarTec



Features

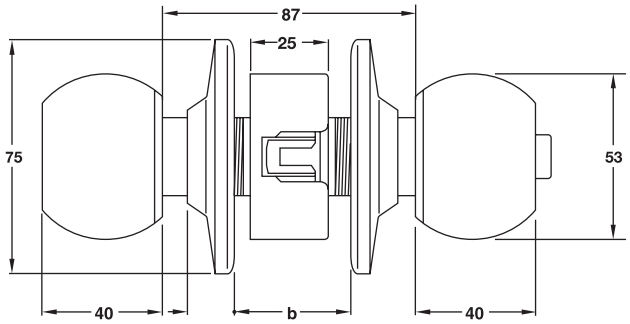
- For flush timber or steel doors
- Suitable for door leaf thickness (b): 35–48 mm
- Cylinder with 5 pin tumblers
- Rosette diameter 75 mm

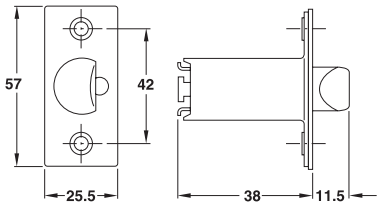
Technical data

- Backset (a): 60 mm

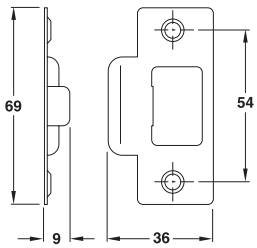
Supplied with

1 Knob lockset
1 Latch
1 Striking plate
3 Keys (For Entrance version only)
1 Set of fixing material

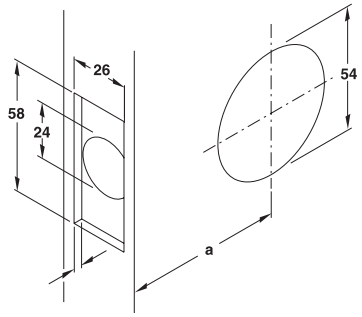




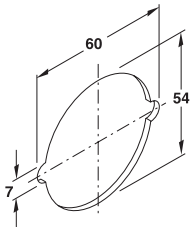
Latch



Striking plate



Installation in steel doors



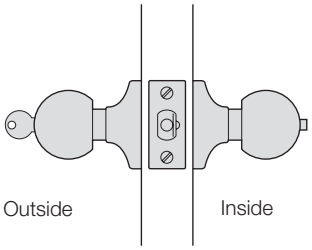
Installation in steel doors

b = Door leaf thickness

a = Backset, 60 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

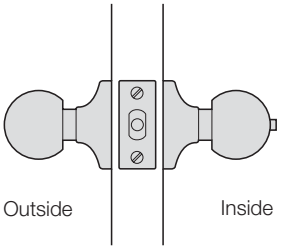
For entrance doors



Material/Finish	Cat. No.
Stainless steel matt (304)	911.64.680
Brass polished	911.64.681
Antique copper	911.64.682
Antique brass	911.64.683

Packing: 1 set

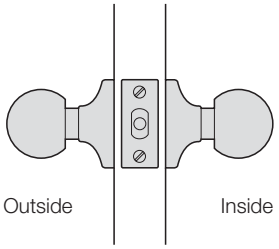
For bathroom/wc doors



Material/Finish	Cat. No.
Stainless steel matt (304)	911.64.684
Brass polished	911.64.685
Antique copper	911.64.686
Antique brass	911.64.687

Packing: 1 set

For passage doors



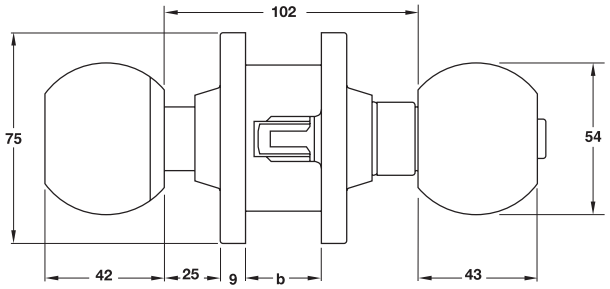
Material/Finish	Cat. No.
Stainless steel matt (304)	911.64.688
Brass polished	911.64.689
Antique copper	911.64.690
Antique brass	911.64.691

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Knob lockset standard duty StarTec





Features

- For flush timber or steel doors
- Suitable for door leaf thicknesses (b): 35–45 mm
- Safety bolt prevents the latch to be pushed back, e.g. by a credit card

Technical data

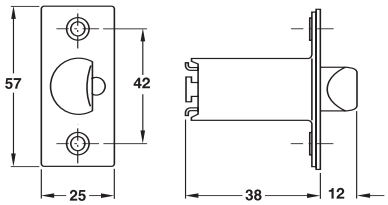
- Backset (a): 60 mm

Cylinder

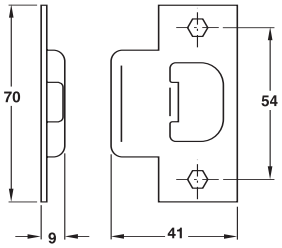
- For standard locking with 6 pin tumblers
- For master keying with 5 pin tumblers

Supplied with

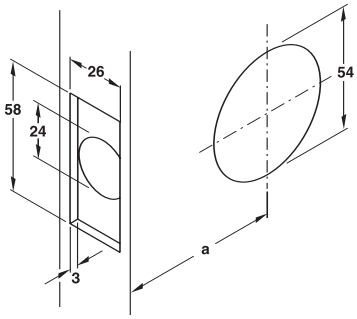
1 Knob lockset
1 Latch
1 Striking plate
1 Assembly key
1 Set of fixing material
1 Set of installation instruction



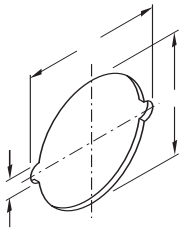
Latch



Striking plate



Installation in steel doors



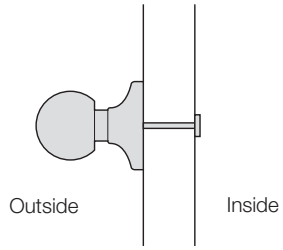
Installation in steel doors

b = Door leaf thickness

a = Backset, 60 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Knob set for closet, pivot, sliding double action doors



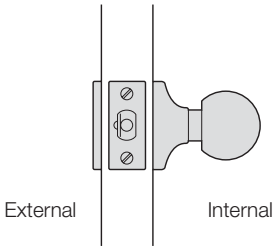
Features

- Outside: Rigid knob
- Knob for opening hinged, sliding or swing doors

Material/Finish	Cat. No.
Stainless steel (304)	911.64.250
Brass polished	911.64.251
Antique copper	911.64.252
Antique brass	911.64.253

Packing: 1 set

Knob locksets for single passage



Function according to ANSI F75

Opening from inside by turning the knob. When the knob is locked, it can be only operated with the key.

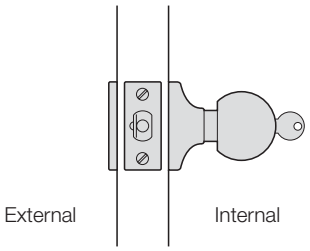
Features

- Outside: Blind rose
- Inside: Turn knob
- With deadlock latch

Material/Finish	Cat. No.
Stainless steel (304)	911.64.324
Brass polished	911.64.325
Antique copper	911.64.326
Antique brass	911.64.327

Packing: 1 set

Knob locksets for single communication



Function according to ANSI F75

Opening from outside by turning the knob or locking with key operation.

Features

- Master key on request available
- Outside: Blind rose
- Inside: Turn knob with cylinder
- With deadlock latch

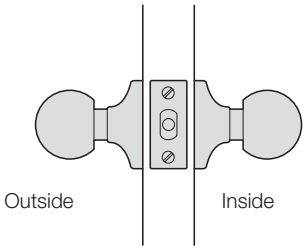
Material/Finish	Cat. No.
Stainless steel (304)	911.64.334
Brass polished	911.64.335
Antique copper	911.64.336
Antique brass	911.64.337

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

2

Knob lockset for passage and closet doors



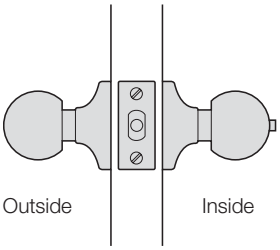
Function according to ANSI F75
Opening from outside and inside by turning the knob

Features
- Outside: Turn knob
- Inside: Turn knob

Material/Finish	Cat. No.
Stainless steel (304)	911.64.254
Brass polished	911.64.255
Antique copper	911.64.256
Antique brass	911.64.257

Packing: 1 set

Knob lockset for bathroom/WC doors, bedroom and private room doors



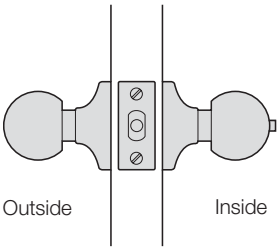
Function according to ANSI F76
Locking from inside with push button. Opening from outside with turn knob.
Emergency case: Knob can be locked by using coin or screw driver from outside.

Features
- Outside: Turn knob with emergency opening possibility
- Inside: Turn knob with pushbutton

Material/Finish	Cat. No.
Stainless steel (304)	911.64.258
Stainless steel (316)	911.64.407
Brass polished	911.64.259
Antique copper	911.64.260
Antique brass	911.64.261

Packing: 1 set

Knob lockset for patio and private room doors



Function according to ANSI F77
Locking from inside with push button. Opening from outside with turn knob.

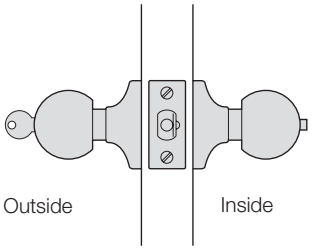
Features
- Outside: Turn knob
- Inside: Turn knob with push button
- With deadlock latch

Material/Finish	Cat. No.
Stainless steel (304)	911.64.262
Brass polished	911.64.263
Antique copper	911.64.264
Antique brass	911.64.265

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Knob lockset for entrance and office doors



Function according to ANSI F81, F82

Door can be locked by pushing the button from inside. Door can be unlocked by using the key from outside. Door can be opened by using the key outside and turning the knob from inside.

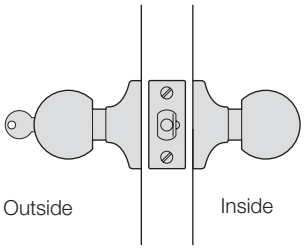
Features

- Master key on request available
- Outside: Turn knob with cylinder
- Inside: Turn knob with push button, fixing device

Material/Finish	Cat. No.
Stainless steel (304)	911.64.266
Stainless steel (316)	911.64.399
Brass polished	911.64.267
Antique copper	911.64.268
Antique brass	911.64.269

Packing: 1 set

Knob lockset for storeroom and closet doors



Function according to ANSI F86

Latch bolt can be retracted by knob inside only. Outside knob rigid. Key outside can be retracted by latch bolt.

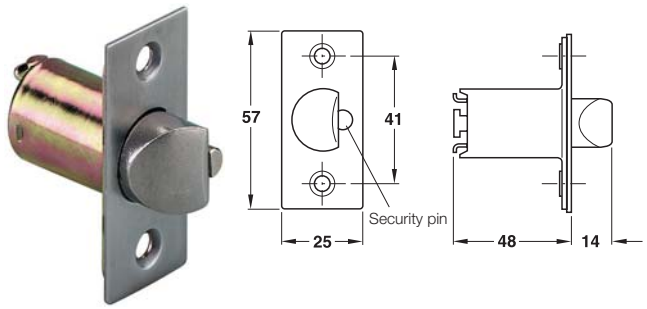
Features

- Master key on request available
- Outside: Rigid knob with cylinder
- Inside: Turn knob
- With deadlock latch

Material/Finish	Cat. No.
Stainless steel (304)	911.64.270
Stainless steel (316)	911.64.409
Brass polished	911.64.271
Antique copper	911.64.272
Antique brass	911.64.273

Packing: 1 set

Latch for 70 mm backset StarTec



Features

- Suitable for knob locksets, standard duty
- Optional with or without security pin

Technical data

- Backset: 70 mm

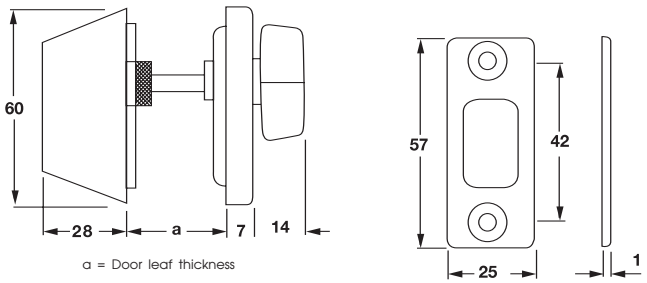
Material/Finish	With security pin	Without security pin
Stainless steel (304)	911.64.298	911.64.302
Brass polished	911.64.299	911.64.303
Antique copper	911.64.300	911.64.304
Antique brass	911.64.301	911.64.305

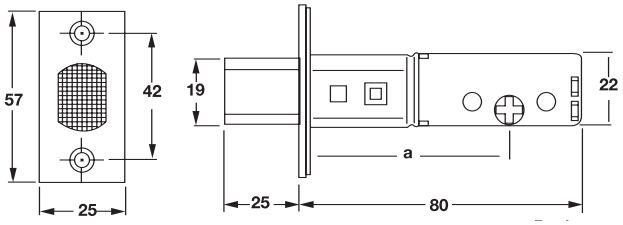
Packing: 1 pc.

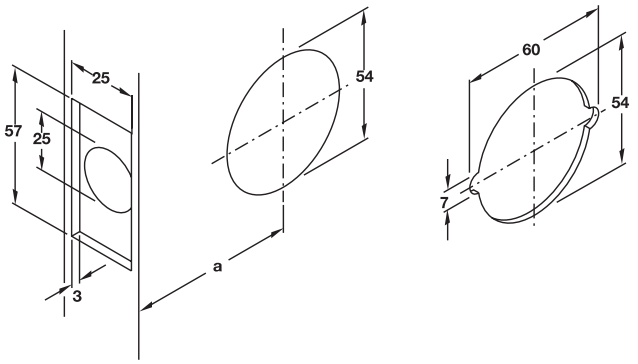
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Single deadbolt light duty









Features

- For flush timber or steel doors
- Suitable for DIN left and right hand
- Suitable for door leaf thicknesses: 28–45 mm
- Outside: Cylinder with 5 pin tumblers
- Inside: Thumbturn
- Deadbolt 1-turn

Technical data

- Backset, adjustable (a): 60/70 mm

Supplied with

1 Locking case with bolt part
1 Striking plate
3 Keys brass nickel plated
1 Set of fixing material
1 Set of installation instructions

Material/Finish	Cat. No.
Stainless steel (304)	911.22.395
Brass polished	911.22.396
Antique copper	911.22.397
Antique brass	911.22.398

Packing: 1 pc.

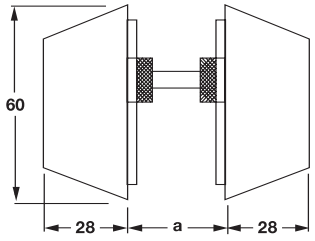
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

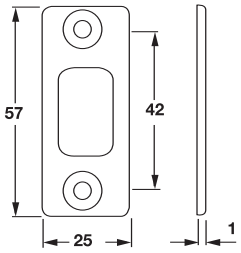
Economy double deadbolt light duty

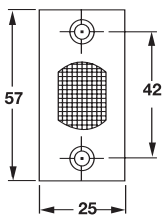


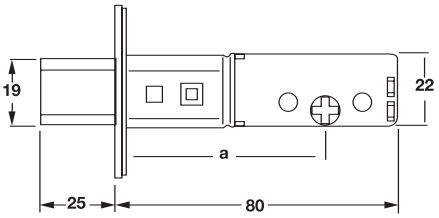


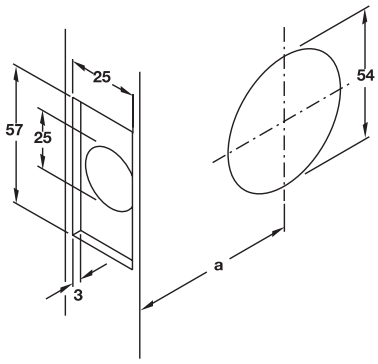


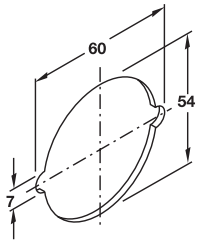












Features

- For flush timber or steel doors
- Suitable for DIN left and right hand
- Suitable for door leaf thicknesses: 28–45 mm
- Outside: Cylinder with 5 pin tumblers
- Deadbolt 1-turn

Technical data

- Backset, adjustable (a): 60/70 mm

Supplied with

1 Locking case with bolt part
1 Striking plate
3 Keys brass nickel plated
1 Set of fixing material
1 Set of installation instructions

Material/Finish	Cat. No.
Stainless steel (304)	911.64.229
Brass polished	911.64.228
Antique copper	911.64.231
Antique brass	911.64.230

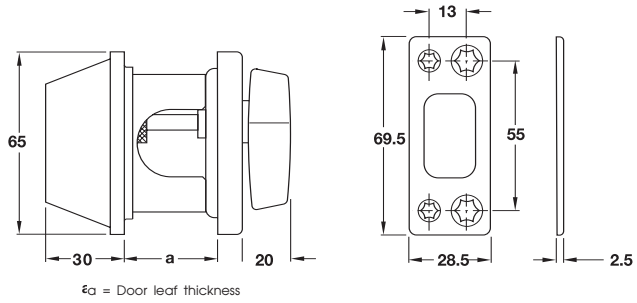
Packing: 1 pc.

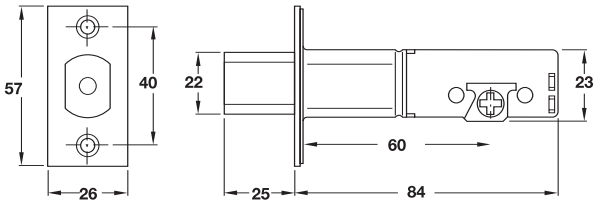
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Deadbolt standard duty StarTec

Single deadbolt







Features

- Master key on request available
- For flush timber or steel doors
- Suitable for DIN left and right hand
- Suitable for door leaf thicknesses: 28–45 mm
- Outside: Cylinder with 6 pin tumblers
- Inside: Thumbturn

Technical data

- Backset (a): 60 mm

Supplied with

1 Locking case with bolt part
1 Striking plate
3 Keys brass nickel plated
1 Set of fixing material
1 Set of installation instructions

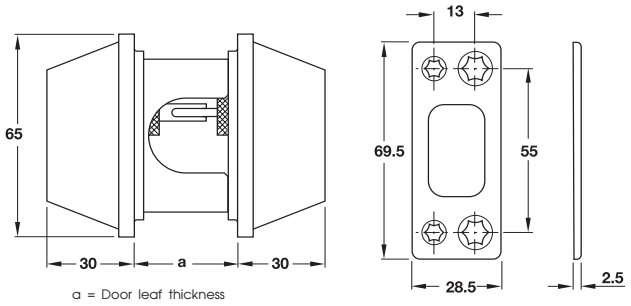
Material/Finish	Cat. No.
Stainless steel (304)	911.64.274
Brass polished	911.64.275
Antique copper	911.64.276
Antique brass	911.64.277

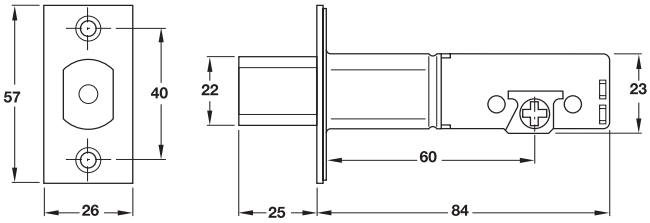
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Double deadbolt StarTec







Features

- Master key on request available
- For flush timber or steel doors
- Suitable for DIN left and right hand
- Suitable for door leaf thicknesses: 28–45 mm
- Outside and inside: Cylinder with 6 pin cylinder

Technical data

- Backset (a): 60 mm

Supplied with

1 Locking case with bolt part
1 Striking plate
3 Keys brass nickel plated
1 Set of fixing material
1 Set of installation instructions

Material/Finish	Cat. No.
Stainless steel (304)	911.64.278
Brass polished	911.64.279
Antique copper	911.64.280
Antique brass	911.64.281

Packing: 1 pc.

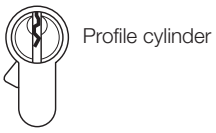
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Profile cylinder

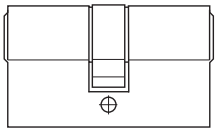
Locking cylinders are catergorized according to

a) Front view

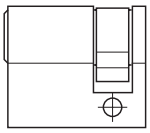
b) Side view



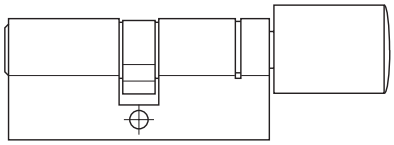
Profile cylinder



Double cylinder



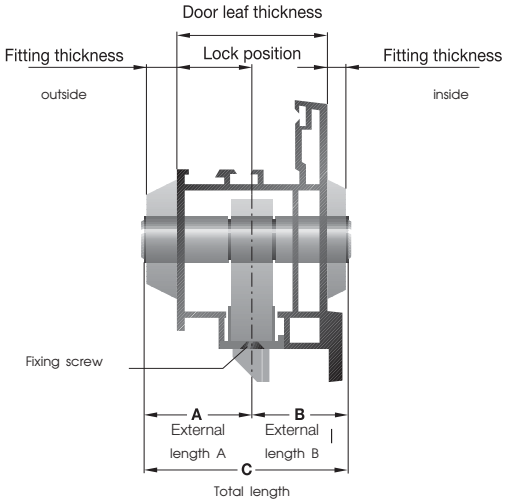
Single cylinder



Thumbturn cylinder

The definition of important components and characteristics of locking cylinders in this catalogue follows generally the terminology according to EN 1303 with 18 252/09-1999

Door leaf thickness



The following factors have to be considered, when determining the length C of the locking cylinder:

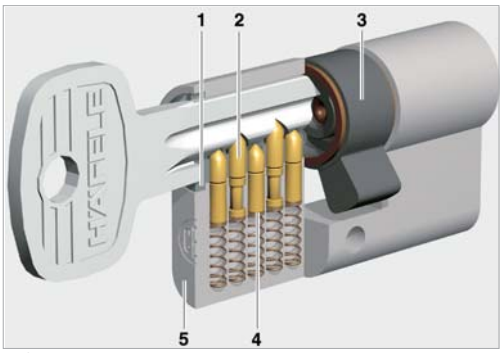
- Door thickness
- Position of the lock in the door
- Thickness of the fitting outside
- Thickness of the fitting inside

Note

Lengths A and B are each measured from the centre of the fixing screw.

For the length C: The cylinder must protrude the fitting on the outside and inside max. 3 mm

Häfele Cylinder



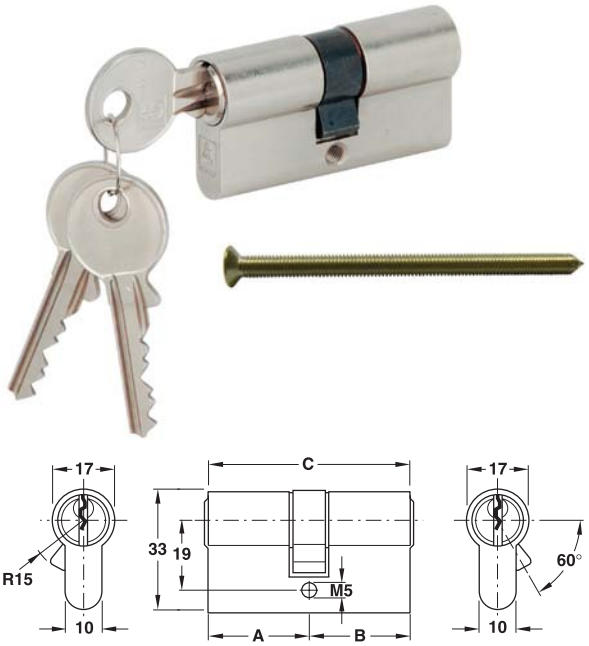
1 Core
2 Core pin
3 Locking pin with spring
4 Housing pin with spring
5 Cylinder housing

Häfele cylinders have following characteristics:

- Within the profile cylinders, which are variably in steps, pairs of pins trace the key profile.
- Maximum number of key changes results from the number of pairs of pins and the possible versions of steps.
- All cylinderes comply with and in major characteristics exceed the requirements of EN 1303 and DIN 18 252: 09/1999

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Economy double profile cylinder StarTec



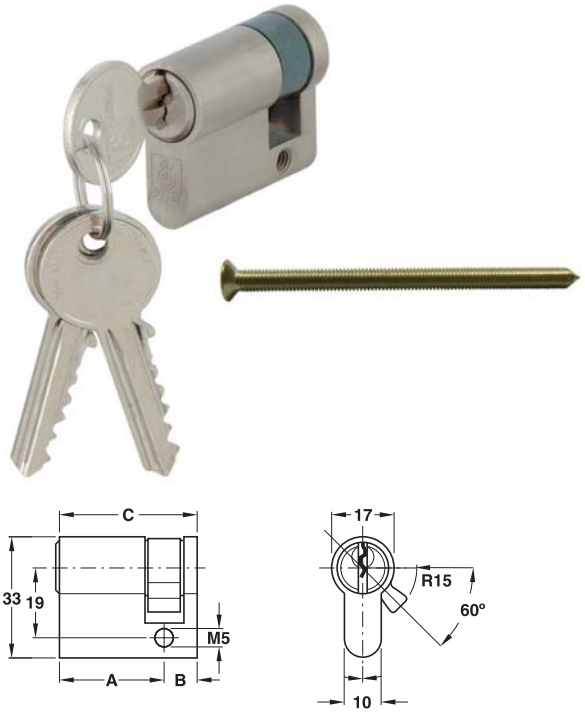
Features

- Master key on request available
- With 5 pin tumblers

Supplied with

1 Double profile cylinder
3 Keys
1 Fastening screw

Length A mm	Length B mm	Length C mm	Brass nickel plated	Brass polished	Antique brass	Brass copper
30	30	60	916.95.106	916.95.108	916.95.101	916.95.105
32.5	32.5	65	916.95.116	916.95.118	916.95.111	916.95.115
35.5	35.5	71	916.95.126	916.95.128	916.95.121	916.95.125



Features

- Master key and Grand master key on request available
- With 5 pin tumblers

Supplied with

1 Single profile cylinder
3 Keys
1 Fastening screw

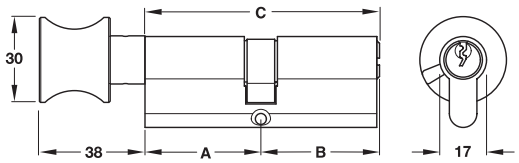
Length A mm	Length B mm	Length C mm	Brass nickel plated	Brass polished	Antique brass	Brass copper
30	10	40	916.95.006	916.95.008	916.95.001	916.95.005

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

2

Economy double profile cylinder with thumbturn StarTec





Features
- Master key on request available
- With 5 pin tumblers
- One side lock function
- One side thumbturn

Supplied with

1 Double profile cylinder

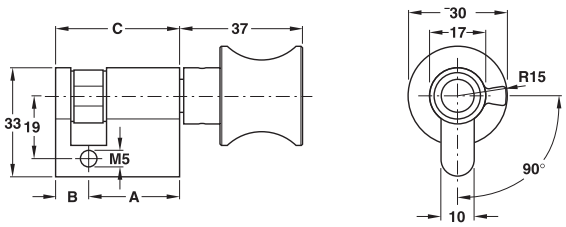
3 Keys

1 Fastening screw

Length A mm	Length B mm	Length C mm	Brass nickel plated	Brass polished	Antique brass	Brass copper
30	30	60	916.95.306	916.95.308	916.95.301	916.95.305
32.5	32.5	65	916.95.316	916.95.318	916.95.311	916.95.315
35.5	35.5	71	916.95.326	916.95.328	916.95.321	916.95.325

Economy single profile with thumbturn StarTec





Features
- With thumbturn

Supplied with

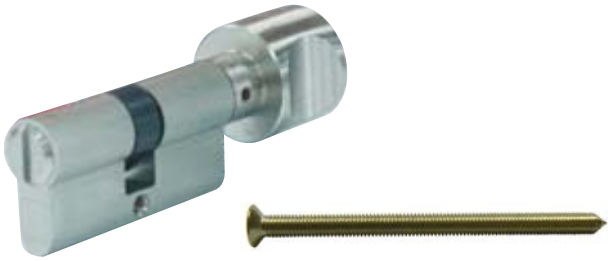
1 Single profile cylinder with thumbturn

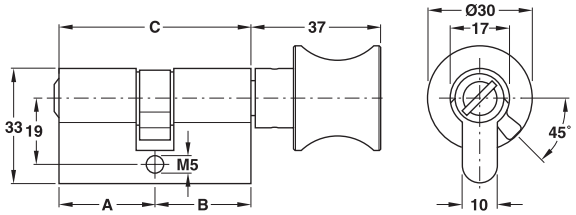
1 Fastening screw

Length A mm	Length B mm	Length C mm	Brass nickel plated	Brass polished	Antique brass	Brass copper
30	10	40	916.95.206	916.95.208	916.95.201	916.95.205

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Economy double profile cylinder with emergency slot StarTec





Features

- One side emergency slot
- One side thumbturn
- Suitable for toilet doors

Supplied with

1 Double profile cylinder with emergency slot

1 Fastening screw

Length A mm	Length B mm	Length C mm	Brass nickel plated	Brass polished	Antique brass	Brass copper
30	30	60	916.95.406	916.95.408	916.95.401	916.95.405
32.5	32.5	65	916.95.416	916.95.418	916.95.411	916.95.415
35.5	35.5	71	916.95.426	916.95.428	916.95.421	916.95.425



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Double profile cylinder StarTec

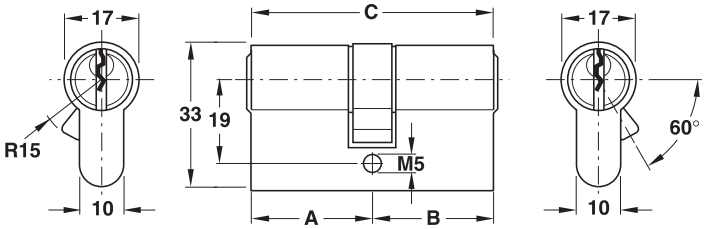


Features

- Master key on request available
- With 5 pin tumblers

Supplied with

1 Double profile cylinder
3 Nickel plated steel keys
1 Fastening screw

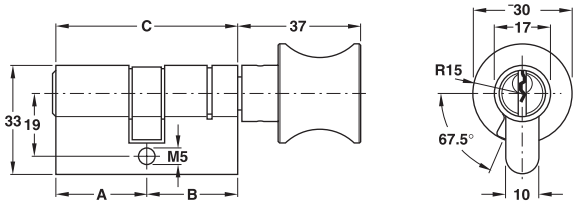


Length A mm	Length B mm	Length C mm	Brass nickel plated	Brass polished	Antique brass
27.5	27.5	55	916.00.001	916.00.051	916.08.211
	31.5	59	916.00.002	916.00.052	–
	35.5	63	916.00.003	916.00.053	–
	40.5	68	916.00.004	916.00.054	–
	45.5	73	916.00.005	916.00.055	–
31.5	31.5	63	916.00.007	916.00.057	916.08.221
	35.5	67	916.00.008	916.00.058	916.08.222
	40.5	72	916.00.009	916.00.059	–
	45.5	77	916.00.010	916.00.060	–
	50.5	82	916.00.011	916.00.061	–
35.5	35.5	71	916.00.013	916.00.063	916.08.231
	40.5	76	916.00.014	916.00.064	–
	45.5	81	916.00.015	916.00.065	–
	50.5	86	916.00.016	916.00.066	–
40.5	40.5	81	916.00.018	916.00.068	916.08.241
	45.5	86	916.00.019	916.00.069	–
	50.5	91	916.00.020	916.00.070	–

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Double profile cylinder with thumbturn StarTec





Features

- Master key on request available
- With 5 pin tumblers
- One side locking function
- One side thumbturn

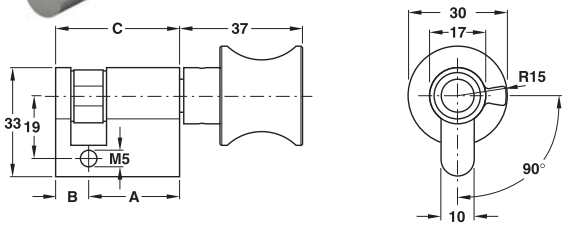
Supplied with

1 Double profile cylinder with thumbturn
3 Nickel plated steel keys
1 Fastening screw

Length A mm	Length B mm	Length C mm	Brass nickel plated, thumbturn aluminium	Brass nickel plated, thumbturn stainless steel	Brass polished	Antique brass
27.5	27.5	55	916.01.001	916.08.661	916.01.051	916.08.261
27.5	31.5	59	916.01.022	916.08.662	916.01.072	–
31.5	31.5	63	916.01.007	916.08.672	916.01.057	916.08.272
31.5	35.5	67	916.01.028	916.08.673	916.01.078	916.08.273
35.5	35.5	71	916.01.013	916.08.683	916.01.063	916.08.183
40.5	40.5	81	916.01.018	916.08.694	916.01.068	916.08.294
45.5	45.5	91	916.08.505	916.08.705	916.08.905	916.08.305
50.5	50.5	101	916.08.516	916.08.716	916.08.916	–

SIngle profile cylinder with thumbturn StarTec





Supplied with

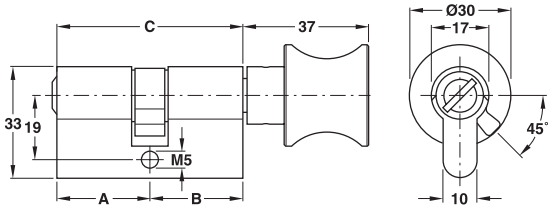
1 Single profile cylinder with thumbturn
3 Nickel plated steel keys
1 Fastening screw

Length A mm	Length B mm	Length C mm	Brass nickel plated, thumbturn aluminium	Brass nickel plated, thumbturn stainless steel	Brass polished	Antique brass
27.5	10	37.5	916.08.451	916.08.651	916.08.851	916.08.251
31.5	10	41.5	916.08.452	916.08.652	916.08.852	916.08.252
35.5	10	45.5	916.08.453	916.08.653	916.08.853	916.08.253
40.5	10	50.5	916.08.454	916.08.654	916.08.854	–

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Double profile cylinder with emergency slot StarTec





Features

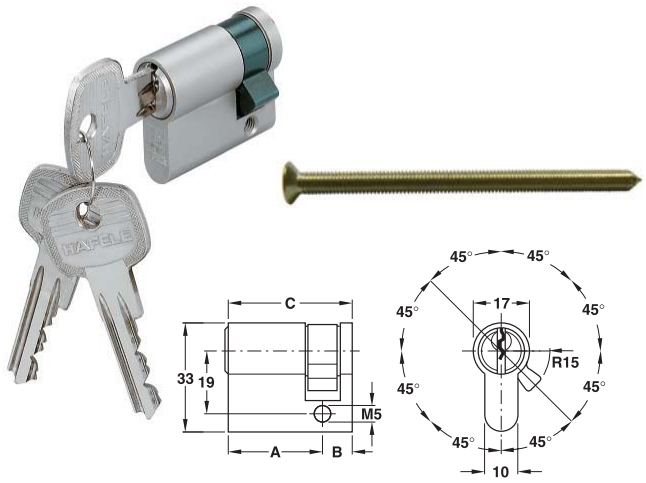
- One side emergency slot
- One side thumbturn
- Suitable for toilet doors

Supplied with

1 Double profile cylinder with emergency slot
1 Fastening screw

Length A mm	Length B mm	Length C mm	Brass nickel plated, thumbturn aluminium	Brass nickel plated, thumbturn stainless steel	Brass polished	Antique brass
27.5	27.5	55	916.08.521	916.08.721	916.08.921	916.08.321
27.5	31.5	59	916.08.522	916.08.722	916.08.922	–
31.5	31.5	63	916.08.523	916.08.723	916.08.923	916.08.323
31.5	35.5	67	916.08.524	916.08.724	916.08.924	–
35.5	35.5	71	916.08.525	916.08.725	916.08.925	916.08.325
40.5	40.5	81	916.08.526	916.08.726	916.08.926	–
45.5	45.5	91	916.08.527	916.08.727	916.08.927	–
50.5	50.5	101	916.08.528	916.08.728	916.08.928	–

Single profile cylinder StarTec



Features

- Master key on request available
- With 5 pin tumblers
- Follower adjustable in 8 positions

Supplied with

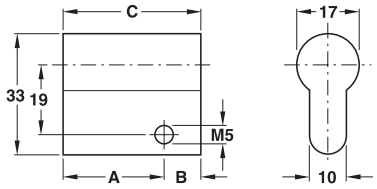
1 Single profile cylinder
3 Nickel plated steel keys
1 Fastening screw

Length A mm \	Length B mm	Length C mm	Brass nickel plated	Brass polished	Antique brass
27.5	10	37.5	916.00.601	916.00.651	–
31.5	10	41.5	916.00.602	916.00.652	916.08.202
35.5	10	45.5	916.00.603	916.00.653	916.08.203
40.5	10	50.5	916.00.604	916.00.654	–

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Blind single profile cylinder StarTec





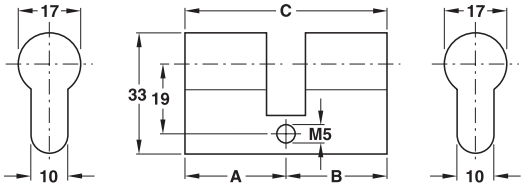
Features

- Blank on one side

Length A mm	Length B mm	Length C mm	Brass nickel plated
27.5	10	37.5	916.09.980
31.5	10	41.5	916.09.981

Blind double profile cylinder StarTec





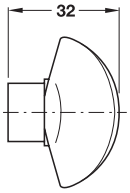
Features

- Blank on both sides

Length A mm	Length B mm	Length C mm	Brass nickel plated
27.5	27.5	55	916.09.982
31.5	31.5	63	916.09.983
35.5	35.5	71	916.09.984
40.5	40.5	81	916.09.985

Moon shape knob





Features

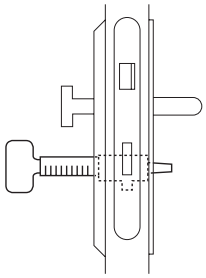
- For profile cylinder

Material/Finish	Cat. No.
Stainless steel	916.09.996
Brass polished	916.09.998
Antique brass	916.09.991

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Construction site key StarTec



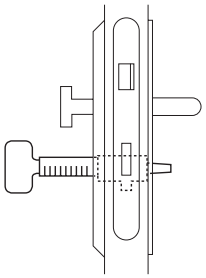


Features

- Square pin key 6/7/8 mm
- Allen key 3 mm
- Conical square spindle from 6–10 mm
- Follower for locks with PC-aperture
- With double-side scale (22–75 mm and 25–75 mm) to measure the cylinder length
- Bottle opener

Material/Finish	Cat. No.
Zinc alloy nickel plated	916.99.013





Features

- Conical square spindle from 6–10 mm
- Follower for locks with PC-aperture
- With scale (35–70 mm) to measure the cylinder length

Material/Finish	Cat. No.
Plastic grey	916.99.011

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Key cabinet StarTec



Features

- Cylinder lock with 2 keys
- Single-walled door
- Hook rails adjustable at intervals, different colours and numbered consecutively

material/Finish

- Steel light grey lacquered RAL 7035

Height mm	Width mm	Depth mm	Capacity	Cat. No.
550	380	80	100 keys	916.99.201
		140	200 keys	916.99.202
		205	300 keys	916.99.203

Key tag StarTec



Features

- Tag with white card for inscription 55 x 22 mm

Material/Finish

- Steel key hook nickel plated, plastic key tag

Colour	Cat. No.
White	231.66.289
Yellow	231.66.243
Grey	231.66.298
Red	231.66.207
Brown	231.66.270
Blue	231.66.216
Light blue	231.66.225
Light green	231.66.261
Dark green	231.66.252
Black	231.66.234

Packing: 1 or 100 pcs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Master key system



Comprehensive building situation requires locking systems.
The scope and the complexity of these systems is depend on the size of the building, the number of doors and the user function of that building.

Master key is a key which can open two or more than two locks within the given structure or the system. A master key comprises a number of cylinders/locks that allow different group of individual key holders to gain access to all or individually defined areas. This can eliminate the need to carry all those keys with you, limiting the areas where other people have access.

Whether you need to control a domestic building such as your home or a large scale commercial or industrial complex, having total comtrol of access to all entry points through a Master key.

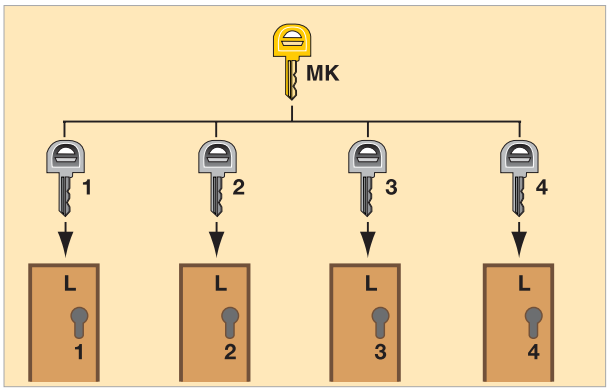
Our Master key systems SD and PSM are produced in Germany and just the assembling and key cutting are done in Thailand.
With this service Häfele Thailand is able to offer their customers the master key systems in German quality and with in short delivery times.

However the Häfele service not only comprises the delivery.
Häfele offers different experts of hardware technology, master key system and of any further questions relating to individual cylinders.
The service reaches from initial assistance in the planning phase to the creation of appropriate Master key plans.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Different functions of keying

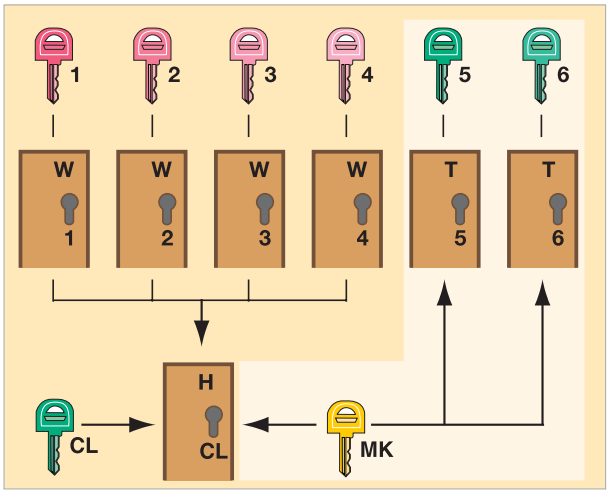
Master key system



One key which can open two or more than two locks in the same structure e.g. for a property with 4 storage rooms.

L	Storage room
MK	Master key
(1–4)	Individual keys of storage room

Central locking system



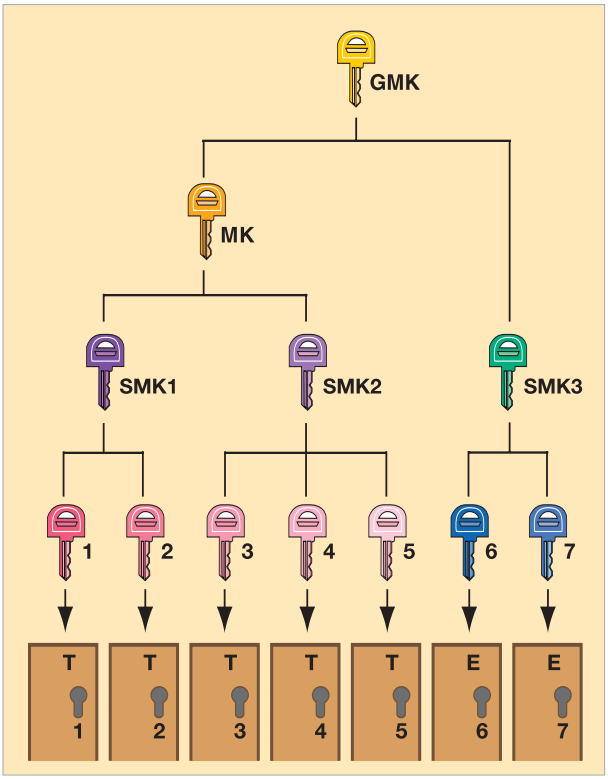
Each of the individual keys can open it's own door and the common lock (CL). The common lock is usually set as passing or entrance door.

W	Apartment door
T	Plant room
H	Front door
CL	Central key which locks the CL central cylinder
MK	Master key
(1–4)	Individual keys of apartment doors
(5–6)	Individual keys for plant room

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Different functions of keying

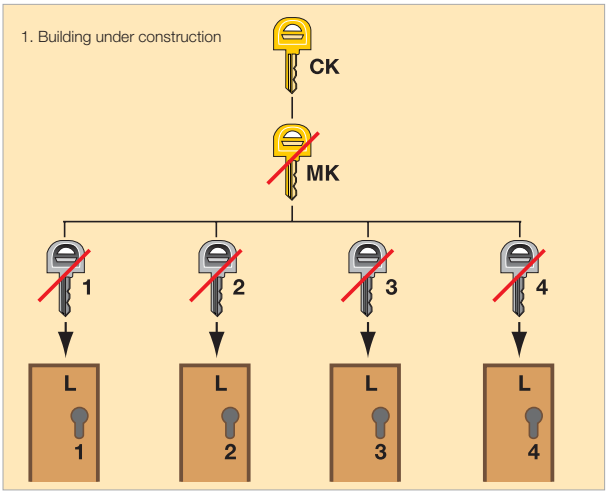
Grand master key system



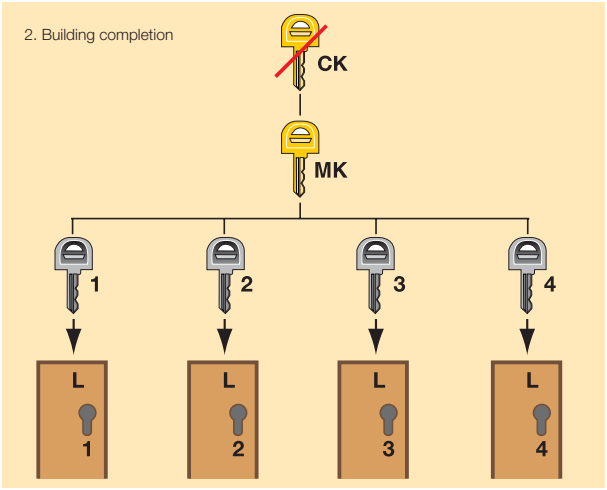
One key which is superior than the master key and can open the all remaining door in that structure.

T	Plant room
E	IT room
GMK	Grand master key
MK	Master key
SMK	Sub master key
(1–5)	Individual key of plant room
(6–7)	Individual key of IT room

Construction key system



In the 1st phase the building is under construction, therefore the contractor and/or builders are authorised to access all building doors with their construction keys (CK).



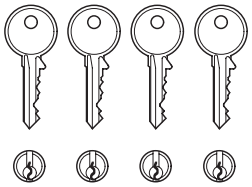
In the 2nd phase, once the building is completed and the owner will stay, he will use his own key (MK or 1–4), the construction key (CK) isn't usable anymore.

L	Building door
(1-4)	Building door individual key
MK	Master key
CK	Construction key

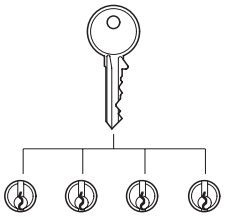
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Master key terminologies

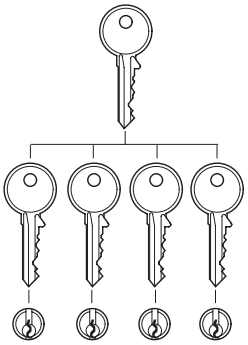
KD = Keyed to differ
Each lock is opened by its own key



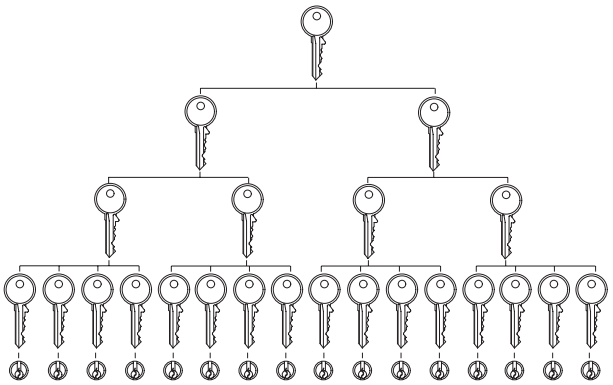
KA = Keyed alike
All locks opened by the same individual key



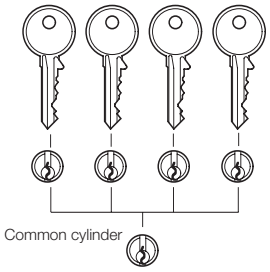
MK = Master key
All locks are opened by their own individual key and the master key



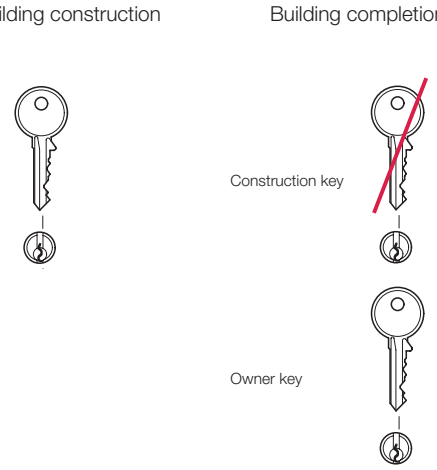
GMK = Grand master key
All locks opened by their own individual key, respective submaster key, respective master key and grand master key



CL = Common lock
Each individual key is opened its own lock and the common lock



CK = Construction key
All locks can open with construction key but once the owner key(GMK/MK/KD) used with that locks, the construction key can not be used anymore



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Master key systems from Häfele Thailand



EM System

For simple and small master key systems in residential projects:

- Each locking side contains 5 pin tumblers
- Key brass nickel plated

Available products for EM system	
Profile cylinder	Deadbolt
Knob lock set	–



SD System

For simple and small master key systems in residential projects:

- Each locking side contains 5 pin tumblers
- First core pin made of hardened steel
- Anti picking device complying with DIN 18 252, developed in a special form with 2 mushroom housing pins
- Very close process tolerances for safe function
- Key brass nickel plated

Available products for SD system	
Profile cylinder	Deadbolt
Knob lock set	Padlock
Panic door exit lever	–



PSM System

Is rich in variation with a multitude of different possible key ways.
For complex and large key systems in commercial projects:

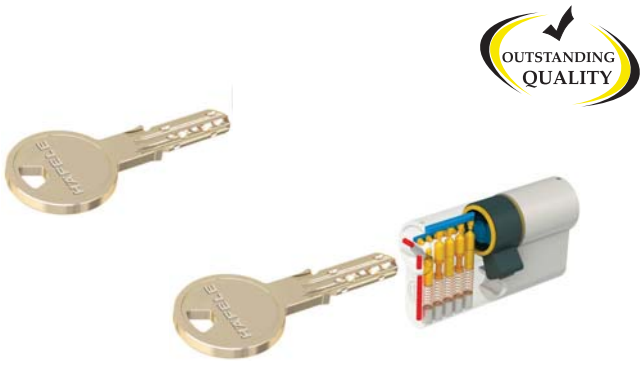
- Each locking side contains 5 pin tumblers of wear and tear resistant copper/nickel/zinc alloy
- First core pin made of hardened steel
- Anti picking device complying with DIN 18 252, developed in a special form with 2 mushroom housing pins
- Sturdy, wear resisting keys made of nickel silver coloured
- Guide groove runs over the entire cylinder core, ensures complete power transfer of key turns and prevents key breaking
- The keys are restricted and only available by Häfele Thailand
- Supplied with security card for absolute key controlling

Available products for PSM system	
Profile cylinder	Deadbolt
Knob lock set	Padlock
Panic door exit lever	–

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Master key system from Häfele Germany

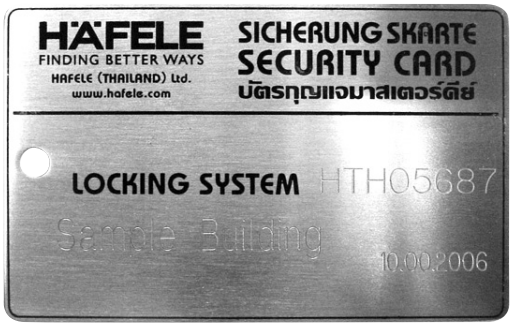
WP system



Cylinders of the WP system have following characteristics:

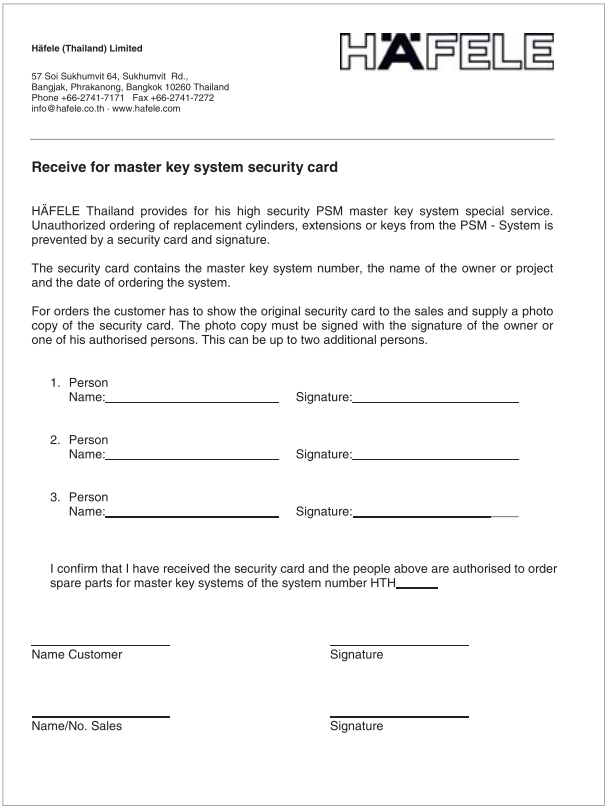
- Optimum locking function due to the use of high-quality materials and high-precision manufacturing procedures
- Hard metal inserts on the cylinders sides provide reliable anti-pick protection where security is required
- Every cylinder is unique and has an individual registration number. The security pass must be provided when ordering replacement keys or additional keys from authorised specialist dealer
- Certified in compliance with DIN 18252 and EN 1303:2005

Security card



Security card

Unauthorized ordering of replacement cylinders or keys of PSM system is prevented by a security card and signature.
The security card contains the project name, master key number and date of purchase. For every additional order use the security card only.



Häfele (Thailand) Limited

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info@hafele.co.th · www.hafele.com

HÄFELE

Receive for master key system security card

HÄFELE Thailand provides for his high security PSM master key system special service. Unauthorized ordering of replacement cylinders, extensions or keys from the PSM - System is prevented by a security card and signature.

The security card contains the master key system number, the name of the owner or project and the date of ordering the system.

For orders the customer has to show the original security card to the sales and supply a photo copy of the security card. The photo copy must be signed with the signature of the owner or one of his authorised persons. This can be up to two additional persons.

1. Person
   Name:_____ Signature:_____
2. Person
   Name:_____ Signature:_____
3. Person
   Name:_____ Signature:_____

I confirm that I have received the security card and the people above are authorised to order spare parts for master key systems of the system number HTH_____

Name Customer _____ Signature _____

Name/No. Sales _____ Signature _____

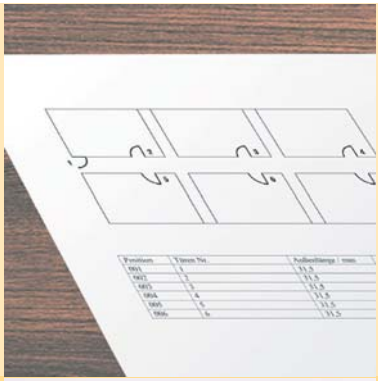
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Häfele will help you to plan your locking system

Please collect all important information for your locking system by using the following overview:

Size of the system

Number of doors?
It is advisable to draw up a list of doors by noting all doors of the building. Make a note of all special, such as emergency exit doors, multiple locking devices etc. You can also use the list to note the cylinder length of each door. This makes a subsequent ordering easier.



Layout of system

How are the doors structured?
Determine the user groups of the building together with your customer. Use this information to draw up a hierarchy that shows which user group should be get an access to which door.



Requirement of the function

What type of keying function should be used GMK, MK?
Determine the keying function together with customer. Define the level and the authorization of all key levels on a chart.



Selection of master key system

What type of master key system EM, SD or PSM ?
Now you can make a decision about the quality and security of the master key system according to your pre-defined points and which system would be most suitable for your structure.



Order reference

After clarifying all this points you should contact our Häfele sales department to check your locking plan and proceed your order.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

How to read Master key article number

Generally Häfele Master key article numbers consist of 10 digits which can easily separated into two parts as shown as following:

- First 8 digits are details of the product, e.g. profile cyinder or knob lockset etc.
- Last 2 digits are specification of the Master key system. e.g. EM, SD or PSM

916.08.67221

Details of the product

Profile cylinder
Knoblock set
Deadbolt
Padlock
Panic lever



Specification of the master key system

EM
SD
PSM



Master key system number overview

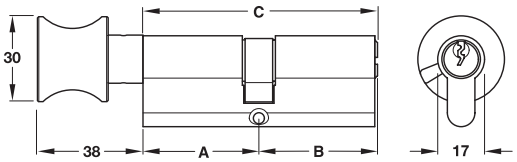
Add on numbers for MK articles	
EM-System	85 = Master key (MK)
SD-System	81 = Master key (MK) 82 = Grand master key (GMK)
PSM-System	01 = Master key (MK) 21 = Grand master key (GMK)
Keys	11 = Individual key/Construction key (CK) 31 = Submaster key (SMK) 41 = Master key (MK) 51 = Grand master key (GMK)

Cat. No. for MK keys	
EM-Master key	916.95.90041
SD-Master key	916.09.91541
PSM-Master key	916.09.90541

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

How to order Master key system EM





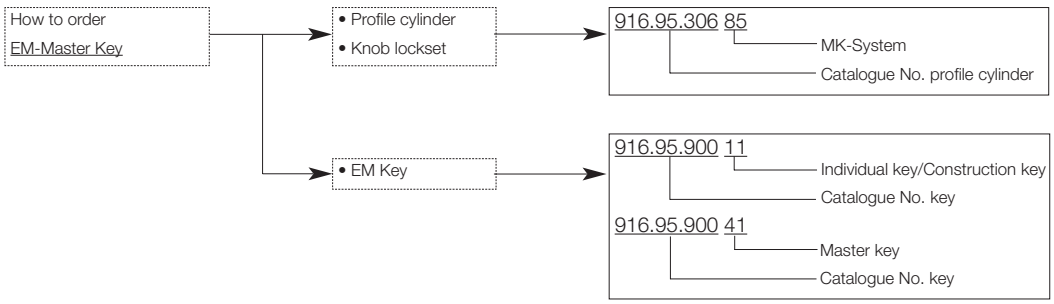
Features

- With 5 pin tumblers
- One side lock function
- One side thumbturn

Supplied with

1 Double profile cylinder
3 keys
1 Fastening screw

Length A mm	Length B mm	Length C mm	Nickel plated	Brass polished	Antique brass	Brass copper \
30	30	60	916.95.306	916.95.308	916.95.301	916.95.305
32.5	32.5	65	916.95.316	916.95.318	916.95.311	916.95.315
35.5	35.5	71	916.95.326	916.95.328	916.95.321	916.95.325



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

How to order Master key systems SD



Features

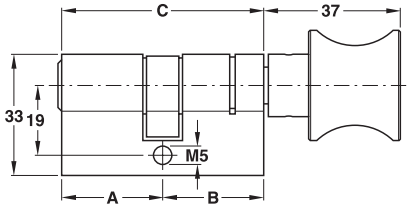
- With 5 pin tumblers
- One side lock function
- One side thumbturn

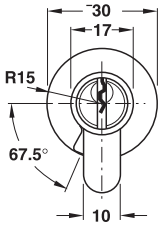
Supplied with

1 Double profile cylinder

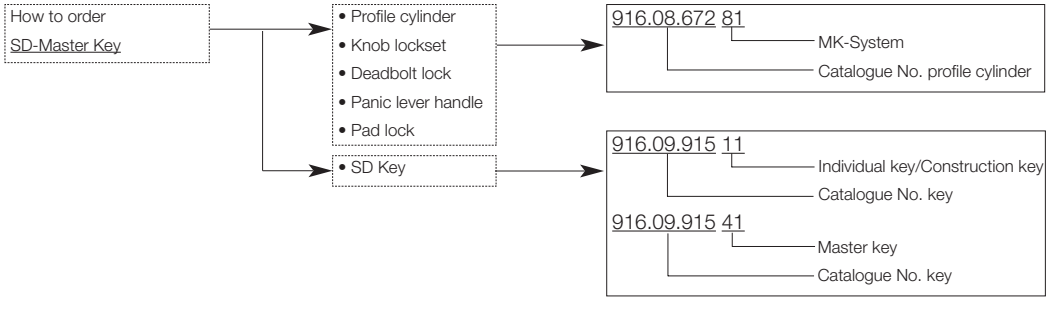
3 keys

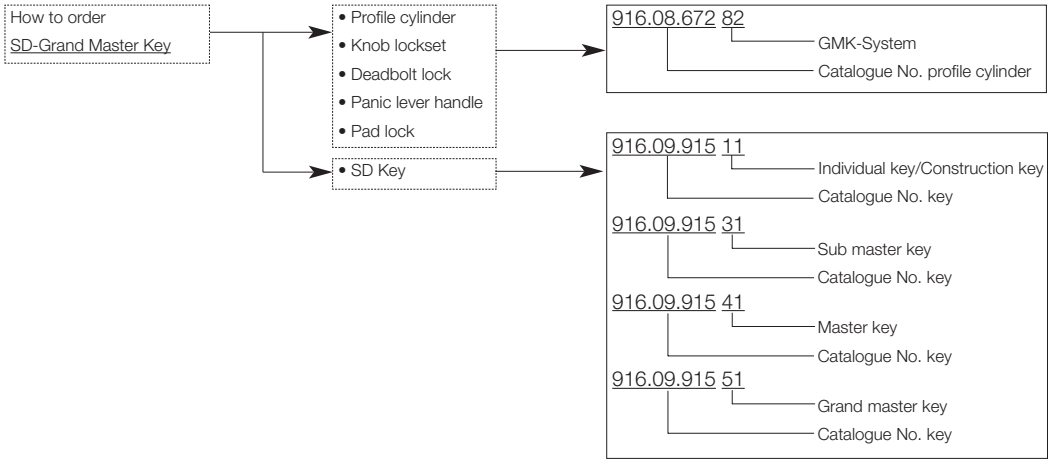
1 Fastening screw





Length A mm	Length B mm	Length C mm	Brass nickel plated, thumbturn aluminium	Brass nickel plated, thumbturn stainless steel	Brass polished
27.5	27.5	55	916.01.001	916.08.661	916.01.051
27.5	31.5	59	916.01.022	916.08.662	916.01.072
31.5	31.5	63	916.01.007	916.08.672	916.01.057
31.5	35.5	67	916.01.028	916.08.673	916.01.078
35.5	35.5	71	916.01.013	916.08.683	916.01.063
40.5	40.5	81	916.01.018	916.08.694	916.01.068
45.5	45.5	91	916.08.505	916.08.705	916.08.905
50.5	50.5	101	916.08.516	916.08.713	916.08.916





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2

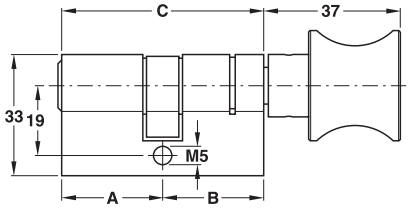


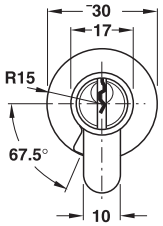
Features

- With 5 pin tumblers
- One side lock function
- One side thumbturn

Supplied with

1 Double profile cylinder
3 keys
1 Fastening screw





Length A mm	Length B mm	Length C mm	Brass nickel plated, thumbturn aluminium	Brass nickel plated, thumbturn stainless steel	Brass polished
27.5	27.5	55	916.01.001	916.08.661	916.01.051
27.5	31.5	59	916.01.022	916.08.662	916.01.072
31.5	31.5	63	916.01.007	916.08.672	916.01.057
31.5	35.5	67	916.01.028	916.08.673	916.01.078
35.5	35.5	71	916.01.013	916.08.683	916.01.063
40.5	40.5	81	916.01.018	916.08.694	916.01.068
45.5	45.5	91	916.08.505	916.08.705	916.08.905
50.5	50.5	101	916.08.516	916.08.716	916.08.916

How to order
PSM-Master Key

- Profile cylinder
- Knob lockset
- Deadbolt lock
- Panic lever handle
- Pad lock

916.08.672 01
MK-System
Catalogue No. profile cylinder

- PSM Key

916.09.905 11
Individual key/Construction key
Catalogue No. key

916.09.905 41
Master key
Catalogue No. key

How to order
PSM-Grand Master Key

- Profile cylinder
- Knob lockset
- Deadbolt lock
- Panic lever handle
- Pad lock

916.08.672 21
GMK-System
Catalogue No. profile cylinder

- PSM Key

916.09.905 11
Individual key/Construction key
Catalogue No. key

916.09.905 31
Sub master key
Catalogue No. key

916.09.905 41
Master key
Catalogue No. key

916.09.905 51
Grand master key
Catalogue No. key

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ABUS - **WORLDWIDE**



The ABUS reputation and tradition is firmly based on international business. Historically based on strong European activity, we were quick to orient towards global sales and manufacturing. Today ABUS is active in many significant countries via its own subsidiaries and partners with approximately 2,500 employees. This continually adds synergy to the mutual strength of the ABUS Group continually enabling us to create: Powerful solutions for mechanical and electronic security.

Security is a matter of trust!
More security with ABUS is based on:

- More than 85 years of experience
- Intensive exchange of professional experiences and information with police forces, insurance companies and independent test institutes
- Innovation in research, development and design
- Permanent quality control
- Made in Germany

The broad range of ABUS products offers the right solution to meet all purposes and security requirements.

The most modern production facilities at three sites in Germany and the use of high-grade materials guarantee the recognized level of quality of ABUS products.

ABUS security products are tested and acknowledged by independent, neutral test institutes in several European countries.

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TITALIUM™ Padlock

Powerful

The TITALIUM™ padlocks provide maximum safety at an excellent price-performance ratio - in purchasing as well as in sales.

Varied

Many TITALIUM™ locks have shackle with NANO-Protect- enabling a wide range of applications in outdoor areas.



Lightweight

All locks the of the TITALIUM™ series are due to the special aluminum alloy real lightweights- without compromising on security.

Strong

Through the use of innovative TITALIUM™ material, the products are extremely robust and are characterized by a strong and tough lock body.

Innovative

On the basis of intensive materials research TITALIUM™ was developed- an innovative material for a new generation of padlocks.

Mature

Years of research ensure an optimum product and production quality of each TITALIUM™ padlock.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Symbol	Description
	100% Rust-free: all elements of the lock are made from non-corrosive materials
	Highly corrosion resistant due to surface protection
	Shackle made from hardened steel
	Paracentric keyway: resists professional picking by special key profile
	Drill protection: cylinder is protected against drilling and leverage
	Shackle guard: shackle access restricted, protecting shackle from attack
	ABUS-Plus: original ABUS-Plus disc cylinder – highest precision, highest security
	Resettable code
	Double bolted: both sides of the shackle are secured by bolts or balls – increased protection against attacks and manipulation
	RK: cylinder can be taken out and can be rekeyed to match an existing key
	Lock body made from special aluminum alloy - light but secure
	LED keya
	Self-locking: the lock is locked automatically by pushing down the shackle – no key needed for locking
	Key-retaining: a key is needed for locking, lock retains key until locked
	KA: available keyed alike (several locks with the same key)
	MK: available master keyed (one key opens many different locks)
	Spare keys are made only upon presentation of code card
	New sophisticated plating for extreme corrosion resistance
	Development and production in Germany

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

PICTOGRAM

Symbol	Description
	Packaging made from Eco-friendly Recycled materials
PVC free	Product and packaging made of recyclable materials without PVC
	Zero waste production policy at ABUS Factories
Nontoxic	Special lubricant suitable for use in food production
	Special materials and coating for ultimate corrosion resistance and long life

ABUS GLOBAL PROTECTION STANDARD®



A higher level means more security - The ABUS Global Protection Standard makes it easier to find the qualified products

ABUS Mobile Security Levels



Standard Levels – Basic comfort and Modern Design (Range 1-4)



Extra Levels - Allround Comfort and Creative Design (Range 5-7)



Maximum Levels - Multi Comfort and Innovative Design (Range 8-25)

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

TITALIUM™ Padlock ABUS

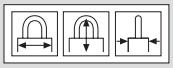


Feature

- Paracentric keyway for increased protection against manipulation
- Special steel shackle with new sophisticated plating for extreme corrosion resistance
- High precision 3-5 pins cylinder
- Double bolted shackle
- Tulip-shaped keyhead

Material/Finish

- Chrome-plated cylinder plug
- Lock body made of TITALIUM™ special aluminium-high security with low weight
- Hardened steel shackle
- Stainless steel finish

Version	Size mm 	Size mm 	Pinning system	Security level	Cat. No.
64TI/15	15x23x10	12x8x2.8	3	3	482.01.820
64TI/20	20x34x11	9.5x11.5x3.5	3	3	482.01.821
64TI/30	30x50x13	16x16x4.5	4	4	482.01.822
64TI/35	35x55x14	18x20x5.5	4	4	482.01.823
64TI/40	40x62x14.5	21x23x6.5	5	5	482.01.824
64TI/40HB40	40x79x14.5	22x40x6.5	5	5	482.01.825
64TI/40HB63	40x102x14.5	22x63x6.5	5	5	482.01.826
64TI/45	45x69x15	25.5x24x7	5	5	482.01.827
64TI/50	50x77x17	28x29x8	5	6	482.01.828
64TI/50HB80	50x129x18	27x80x8	5	6	482.01.829
64TI/60	60x90x19	33x34x9.5	5	6	482.01.830

Packing: 1 pc.

Order reference

Hasp ..... page 2.110

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HÄFELE

TITALIUM™ Padlock ABUS

2





Feature

- Paracentric keyway for increased protection against manipulation
- Special steel shackle with new sophisticated plating for extreme corrosion resistance
- High precision 6 pins cylinder
- Double bolted
- Tulip-shaped keyhead

Material/Finish

- Chrome plated cylinder plug
- Lock body made of TITALIUM™ special aluminium-high security with low weight
- Hardened steel shackle
- Stainless steel finish

Version	Size mm 	Size mm 	Security level	Cat. No.
80TI/40	40x75x19	20x25x7	6	482.01.831
80TI/40HB40	40x88x19	20x40x7		482.01.832
80TI/40HB63	40x113x19	20x63x7		482.01.833
80TI/45	40x82x21	20x29x8	7	482.01.834
80TI/50	50x93x23	25x35x9.5	8	482.01.835

Packing: 1 pc.

Order reference

Hasp ..... page 2.110

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TITALIUM™ Padlock in masterkey sets ABUS







Feature

- Paracentric keyway for increased protection against manipulation
- Special steel shackle with new sophisticated plating for extreme corrosion resistance
- Precision cylinder, double bolted
- Master keyed (one key can open several locks)

Material/Finish

- Chrome-plated cylinder plug
- Lock body made from TITALIUM™ special aluminium-high security with low weight
- Stainless steel finish

Version		Quantity/pack pcs.	Cat. No.
MK 3X64TI/40		3	482.01.836
MK 3X80TI/40			482.01.837
MK 5X64TI/40		5	482.01.838
MK 5X80TI/40			482.01.839
MK 64TI/40-HB40-HB63		3	482.01.840
MK 80TI/40-HB40-HB63			482.01.841

Packing: 1 pack

Order reference

Hasp ..... page 2.110

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

GRANIT™ Padlock ABUS



1



2

Feature

- New black GRANIT™ coating for even more corrosion resistance
- Plus Disc cylinder provides highest protection against manipulation
- Shackle guard protects against attacks with tools
- RK: cylinder can be re-keyed to match the existing key
- Available with 3 keys: 2 keys and 1 LED key

Material/Finish

- Body and shackle made of hardened alloy steel
- Black finish







Version		Re-keyable	Size mm	Size mm	Security level	Cat. No.
1	GRANIT 37/RK/80	•	79x94x39	22x22x14	10	482.01.842
2	GRANIT 37/60	-	65x85x35	18x16x11		482.01.845

Packing: 1 pack

Order reference

Hasp ..... page 2.110

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

GRANIT™ Padlock ABUS



1 2





Feature

- New black GRANIT™ coating for even more corrosion resistance
- Plus Disc cylinder provides highest protection against manipulation
- Available with 3 keys: 2 keys and 1 LED key

Material/Finish

- Body and shackle are made of hardened alloy steel
- Black finish

Version	Size mm	Size mm	Security level	Cat. No.
1 37/55	63x85x31	27.5x26x11	10	482.01.843
2 37/55HB50	63x109x31	27.5x50x11		482.01.844

Packing: 1 pack

Order reference

Hasp ..... page 2.110

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

DISKUS™ Padlock ABUS



1



2



3



Feature

- ECOLUTION™: Environmental compatible products
- Design for 360° protection
- DISKUS™ deep-welding technology for maximum strength
- Shrouded shackle preventing from attack by force
- Key retaining: Locking only with the key
- Anti-cut plate
- Cylinder cover

Material

- Stainless steel body and stainless steel inner mechanism provide excellent corrosion resistance
- Stainless steel shackle



Feature

- Design for 360° Protection
- DISKUS™ deep welding technology for maximum strength
- Shrouded shackle preventing from attack by force
- Key retaining only with key

Material

- Solid steel body
- Hardened steel shackle

Version		Size mm	Size mm	Pinning system	Security level	Cat. No.
1	24IB/70	70x70x31	20x17x10	5	8	482.01.846
2	23/60	60x60x29	17x13x8	4	7	482.01.847
3	23/70	70x70x29	20x17x10	5		482.01.848

Packing: 1 pc.

Order reference

Hasp ..... page 2.110

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

My Lock Padlock ABUS







Feature

- ECOLUTION™: Environmental compatible products
- 40 mm aluminium body with light weight
- Precision brass pin tumbler mechanism
- Sophisticated key way ensures only the correct key way will operate the padlock
- Writable on the vinyl body with any permanent marker for indentification

Material

- Aluminium body
- Hardened steel shackle
- Vinyl casing available

Version	Size mm 	Size mm 	Pinning system	Security level	Finish	Cat. No.
T65AL/40	43x61.5x18.5	22x23x6.5	5	5	Blue	482.01.849
					Yellow	482.01.850
					Red	482.01.851
					White	482.01.852

Packing: 1 pc.

Order reference

Hasp ..... page 2.110

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Sealed padlock ABUS



1



2



Feature
- ECOLUTION™: Environmental compatible products
- Sealed lock body with cover seal and drainage channels to protect the cylinder against water and dirt
- Shock absorbing vinyl casing
- Precision pin tumbler cylinder
- Suitable for outdoor usage
- Pinning system 5
- Security level 5

Material/Finish
- Body made of solid brass
- Stainless steel shackle
- Inner components made of non-corrosive material
- Blue finish



Feature
- ECOLUTION™: Environmental compatible products
- Laminated and galvanised steel body with Eterna™ plating for maximum corrosion resistance
- Counter sunk rivets for added security
- High precision 5 pin cylinder tumbler cylinder
- Cylinders drilling and pulling protected
- Pinning system 5
- Security level 7

Material/Finish
- Body made of laminated steel with Eterna™ plating
- Eterna™ Non hazardous and cadmium free plating
- Hardened steel shackle
- Coulored vinyl bumper for easy identification
- Stainless finish

Version	Size mm 	Size mm 	Cat. No.
1 70IB	50x73x28	20x24x8	482.01.853
2 41	53x75x29	23x25x9	482.01.854

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Combination padlock ABUS



Feature
- Ideal choice on bags or tool boxes
- Strong and light weight
- 3 digit re-settable combination
- Better for laser engraving
- Security level 3

Material
- Anodized aluminium lock body
- Solid steel shackle



Version	Size mm	Size mm	Colour	Cat. No.
145/20	23x53x14	9x22x3	Red	482.01.855
			Blue	482.01.856
			Yellow	482.01.857
			Silver	482.01.858
145/30	32x65x16	14x25x5	Red	482.01.859
			Blue	482.01.860
			Yellow	482.01.861
			Silver	482.01.862

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Combination padlock ABUS

1



PIN

Feature

- Ideal complement with luggages and bags
- 3 digits re-settable code
- Security level 3

Material

- Aluminium body
- Steel shackle

2



PIN

Feature

- 3 digits re-settable code
- Shackle opens by pushing on the lever at the side
- Easily operated for lock
- Suitable for small carry bags or backpack
- Security level 2

Material

- Steel body

	Version	Size mm	Size mm	Colour	Cat. No.
1	155/30	34x60x11	14x19x5	Black silver	482.01.863
2	151	24x64x9	10x15x3	Red	482.01.865
				Blue	482.01.866
				Yellow	482.01.867

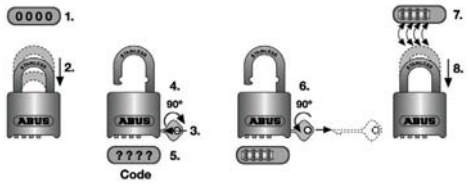
Packing: 1 pc.

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Combination padlock ABUS







Re-setting code

Feature

- Precision locking mechanism with special protection against manipulation
- 4 digits re-settable code
- Shackles are double bolted for higher pulling resistance
- Security level 5

Material/Finish

- Body made of solid forged brass
- Stainless steel shackle
- Inner components made of non-corrosive materials
- Brass finish

Version	Size mm	Size mm	Cat. No.
180IB/50	53x75x25	25x25x8	482.01.864

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

General purposal hasp ABUS



1



2



3

Feature

- Concealed hinge pin
- Hardened staple
- Hidden screw
- Corrosion protected

Material/Finish

- Hasp and hinge pins are made of 100% stainless steel for maximum rust resistance
- Stainless steel finish

Hardened

Made in Germany

Version		Size mm	Weight kg	Security level	Cat. No.
1	110/155	155x45x12.5	0.277	8	482.01.871
2	100/100	100x35x11	0.128	4	482.01.873
3	100/100DG	160x35x11	0.188		482.01.874

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

GRANIT™ Hasp ABUS



1

Hardened

Made in Germany

Feature

- Hardened staple
- Two hardened hinge pins
- Ideal combination with Granit™ padlock
- Including coach bolt and back plate
- Security level 10

Material/Finish

- Tough white heart hardened malleable iron
- Black finish

Steel security hasp ABUS



2

Made in Germany

Feature

- Hardened staple
- Ideal combination with DISKUS™ padlock
- Hinge pins protected against attack
- Complete with all mounting hardware
- Security level 8

Material/Finish

- Hasp and hinge pins are made of 100% stainless steel for maximum rust resistance
- Stainless steel finish

Version		Size mm 	Weight kg	Cat. No.
1	130/180	180x79x14	1.670	482.01.868
2	140/120	120x56x12.5	0.355	482.01.869

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

2

Wall & floor anchor ABUS

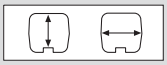


Feature

- Can be used indoors and outdoors as wall or floor anchor
- Extra wide shackle for easy locking
- Due to it's flat shape and the use of high quality plastic, it is possible to drive over the anchor in the fixed position
- Includes fixing accessories

Material/Finish

- 16 mm shackle made of hardened special steel for extreme resistance against the most aggressive attacks
- Black finish

Version	Size mm 	Weight kg	Cat. No.
WBA 100	160x165	0.870	482.01.875

Packing: 1 pc.

Chains with loop ABUS

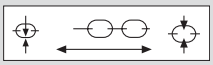


Feature

- Top security against all types of aggressive attacks
- Corrosion protected hexagonal link chain with black sleeve cover
- Suitable for both outdoor and indoor usage
- Available in 6, 8, 10 and 12 mm diameters

Material/Finish

- Chain made of hardened special chain steel
- Fabric sleeve prevents paints work and dirt
- Black finish

Version	Size mm 	Weight kg	Cat. No.
12KS 120	12x1200x15	3.950	482.01.890
10KS 140	10x1400x14	3.110	482.01.891
8KS 110	8x1100x13	1.725	482.01.892
6KS 85	6x850x9	0.803	482.01.893

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

TRESOR Bike lock ABUS



1

Extra Level 7

Feature

- Corrosion protected link chain with black sleeve cover
- 4-digits re-settable code
- Special picking protection for enhanced security against unauthorized acquire the number code through manupulation of mechanism
- Suitable for motor bike
- Code wheels 4

Material

- 7 mm thick chain made of hardened special chain steel
- Fabric sleeve prevents paints work and dirt

CITY CHAIN Bike lock ABUS



2

Maximum Level 12



Feature

- 9 mm hexagonal chain with fabric sleeve to prevent damage of bicycle's paint work
- Plus cylinder for high protection against manipulation
- Two keys are supplied with the lock
- Automatic cover for key holes against dirt and corrosion
- Available with code card for additional and replacement key

Material

- The chain, the case as well as supporting elements of the locking mechanism made of special hardened steel

Version	Size mm/cm	Weight kg	Cat. No.
1 1385/85	7/85	1.130	482.97.000
2 1010/85	9/85	1.950	482.97.010

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

BORDO LITE Bike lock ABUS









Feature

- 5 mm steel bar with extra soft 2 components coating to prevent damage to the bicycle's paint work
- Colour matching silicone cover for the lock body with soft touch properties
- Link construction offers compact folding
- Link protection shield offers high saw protection of the link

Material

- The bars, the link, the case as well as supporting elements of the locking system made of special hardened steel

Version	Size cm	Weight kg	Cat. No.
6050/85	85	0.650	482.97.020

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

SINUS Bicycle lock ABUS



Feature

- 12 mm parabolic shackle
- Shackle double bolted in the lock body
- Extra classe cylinder with encoded reversible key
- Two keys are supplied with the lock

Material/Finish

- The shackle, the case as well as the supporting supporting elements of locking mechanism made of special hardened steel
- Black finish

Version	Size mm	Weight kg	Cat. No.
300	300/109/12	1.081	482.97.061

Packing: 1 pc.

MILLENIO PHANTOM Bike lock ABUS



Feature

- 14 mm strong, high quality and very flexible coil cable
- PVC coating in matt black lock to prevent damage of the bicycle's paint work
- Special cylinder with encoded reversible key
- Two keys are supplied with the lock

Finish

- Black finish

Version	Size mm/cm	Weight kg	Cat. No.
895	14/185	0.714	482.97.070

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

COBRA Cables for bicycle, equipment, hardware ABUS

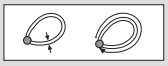


Feature

- Ideal to secure bicycles or household accessories etc.
- Cables protect like front and rear wheel/frame and seat as the ideal complement to the U-shackle locks or padlock
- Suitable for both outdoor and indoor usage
- Available in 3 thickness sizes of: 8, 10 and 12 mm

Material

- Flexible steel cable

Version	Size mm/cm 	Weight kg	Cat. No.
8/200	8/200	0.317	482.97.100
10/200	10/200	0.520	482.97.101
10/500	10/500	1.100	482.97.102
12/120	12/120	0.741	482.97.103

Packing: 1 pc.

GRANIT™ Motorbike lock ABUS



Feature

- Top protection against wrongful use of the bike
- Drill protected
- Shackle double bolted
- Plus cylinder system offers extremely high secure against intelligent breaking methods

Material

- Lock body and shackle are made of special hardened steel

Size mm 	Weight kg	Colour	Cat. No.
70/14-24/11	1.067	Orange	482.97.300
		Yellow	482.97.301

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

GRANIT™ Sledg Motorbike lock ABUS

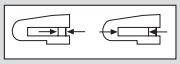


Feature

- 13 mm steel bolt
- The sliding mechanism permits compact measurements and also flexible easy mounting
- Soft plastic cover for better handling and to prevent paint work damages on the rim
- X-plus special cylinder for highest protection against manipulation
- Two keys are supplied with the lock 1 is LED key
- Code card for additional or replacement keys
- A memory cable as reminder to prevent an unintended ride off with the bike still locked is included

Material

- The bolt lock body as well as locking elements of the locking mechanism made of special hardened steel

Version	Size mm 	Weight kg	Colour	Cat. No.
77	13/45	0.768	Red	482.97.310
			Yellow	482.97.311

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

ConLock GRANIT™ Container lock ABUS









Feature

- Fits the most common transport and storage containers
- Also applicable for sliding doors, gates,truck wing doors etc.
- For additional security e.g, container
- Use suitable padlock as locking device
- Manufactured with special welding technology for enhanced security
- All parts corrosion resistant

Material

- Extremely resistant steel

Version	Size mm	Weight kg	Cat. No.
215/100	220x120x85	6.534	482.97.800

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Key Garage™ ABUS





1



2

Feature

- Large solid metal housing offers more capacity than conventional key safes
- Protective keyboard panel cover
- Large hinged front door for maximum convenience
- 10 push button re-settable combination
- Push buttons for commercial use
- 767: for wall fixing with screws
- 777: for fixing with shackle E.g, on door knob
- Hold up to 8 cards or 20 keys

Finish

- Black silver finish

Version	Size mm	Size mm	Weight kg	Cat. No.
1 777	84x175x46	36x48x9.5	0.750	482.97.900
2 767	82x120x46	–	0.650	482.97.901

Packing: 1 pc.

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Key Garage™ ABUS



1 2





Feature

- Ideal protected storage for keys and other valuables for authorized persons
- Quick and easy access for frequenty changing groups of persons
- 4 digits individually re-settable code
- Protective cover with sliding mechanism
- Shackle version: housing and shackle rubber coated (protect door from scratching)
- 787: for wall fixing with screws
- 797: for fixing with shackle E.g, on door knob
- Hold up to 8 cards or 20 keys

Material/Finish

- Solid metal housing
- Black silver finish
- Locking cover made of zinc alloy

Version	Size mm	Size mm	Weight kg	Cat. No.
1 797	85x180x45	35x49x10.5	0.770	482.97.902
2 787	80x120x45	–	0.660	482.97.903

Packing: 1 pc.

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Mini Key Garage™ ABUS





Feature

- Compact portable key garage
- Holds 6 keys
- Vinyl coated shackle and back protect surface
- 4 digits re-settable combination

Material/Finish

- Solid metal housing provides excellent security
- Silver finish

Version	Size mm	Size mm	Weight kg	Cat. No.
737	66x135x29	33x50x10	0.360	482.97.904

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Customer benefits when using Dialock electronic identification and locking system



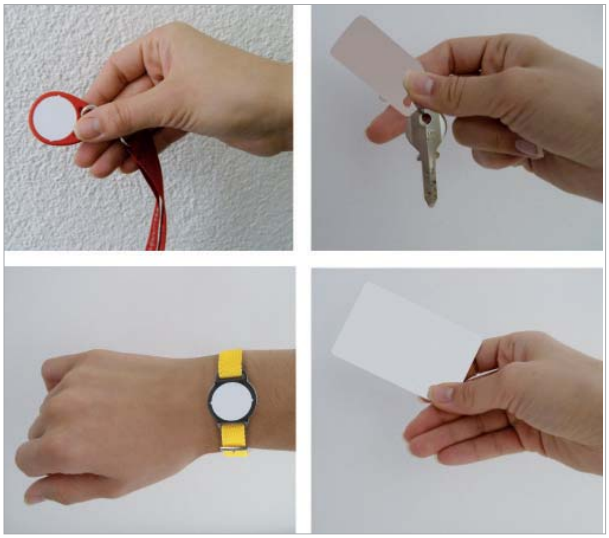
The Dialock electronic identification and locking system has some decisive advantages compared to mechanical locking systems:

- More flexible locking systems
- Wide range of applications
- New organisation solutions
- Additional convenience
- High security standards
- Low maintenance costs
- Optimum functionality in buildings and institutions
- Effective investment protection

A wide range of organisational tasks can be performed using the Dialock system. Dialock introduces functionality to banks, offices, hotels, industrial buildings, jewellers, hospitals, laboratories, resorts, retirement homes and administration buildings:

- Suitable for any kind of door or gate and also for furniture doors
- Central administration of the access authorisations for guests, patients, employees, suppliers and visitors





Dialock is based on touchless passive transponder technology:

- No independent power supply
- Low-cost, fail-safe and maintenance-free
- Does not wear

Available in different designs

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Areas of application for Dialock



Dialock in hotels and resorts



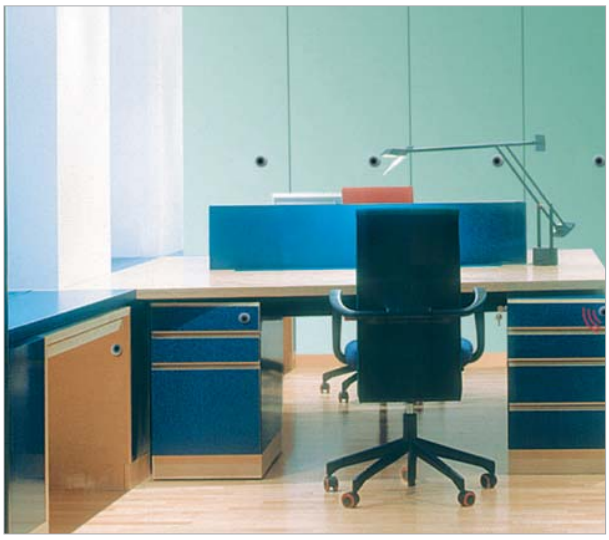
Dialock in stores and store fixtures



Dialock in hospitals and retirement homes



Dialock in wellness areas and changing rooms



Dialock in office

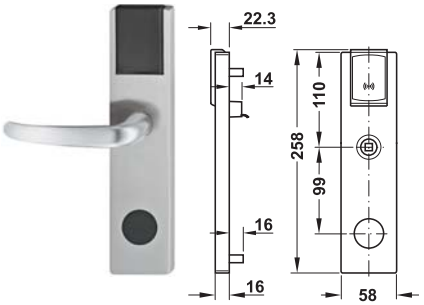


Dialock in private residential and living areas

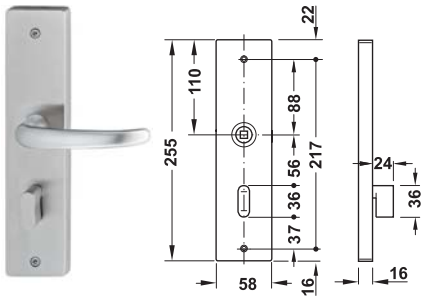
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door terminal DT Lite Dialock

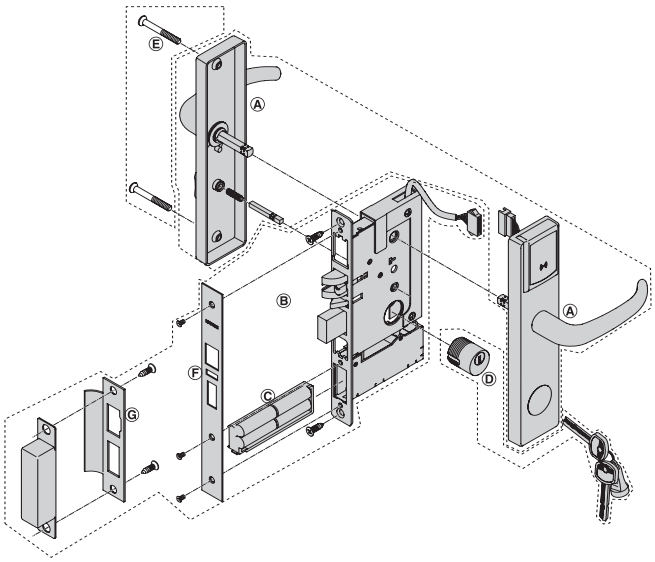




Blackplate external module
with processor (access control)



backplate internal module



DT Lite stainless steel matt: Please order Ⓐ–Ⓔ for one door.
DT Lite brass plated polished PVD: Please order Ⓐ–Ⓖ for one door. (Use Ⓕ and Ⓖ to change the finish of Ⓑ from stainless steel matt to brass plated polished PVD)

Ⓐ 1 Module DT Lite

Ⓑ 1 Mortise lock DT Lite

Ⓒ 4 Batteries AA

Ⓓ 1 Round cylinder DT Lite

Ⓔ 1 Threaded screw M5(2pcs)

Ⓕ 1 Forend plate

Ⓖ 1 Striking plate

Features

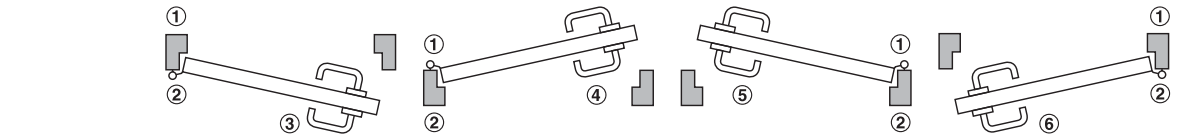
- Touchless activation with Tag-it™ key
- Door can be opened without a key at any time from inside
- Blue/red LEDs for indication of locking and unlocking
- After unlocking with Dialock key in standard setting, the door is locked again after 3 seconds, alternate locking/unlocking can be set
- Service life of battery: Approx. 2 years or 22,000 locking/unlocking processes using alkaline-manganese batteries 1.5V AA
- For door thickness: 38–80 mm
- 5 level handles selection
- With real-time clock and logging of all processes
- Degree of protection: IP20
- Infrared interface for programming
- For service personnel, Indication of programming status and when battery change is required

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓐ Module DT Lite

Determine lever handle and opening direction

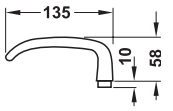
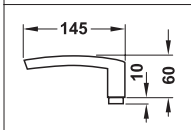
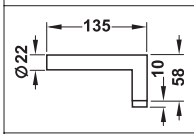
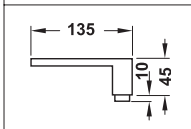
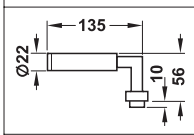
The opening direction inwards or outwards must be selected with the mortise lock.



① Internal side
② External side
③ External module with lever handle pointing to the left, outwards opening
④ External module with lever handle pointing to the left, inwards opening
⑤ External module with lever handle pointing to the right, inwards opening
⑥ External module with lever handle pointing to the right, outwards opening

Supplied with

1 Backplate external module with processor
1 Blackplate internal module
2 Lever handle aperture parts
1 Square spindle 8 mm
1 Square spindle DND

Door handle design	Door thickness mm	Stainless steel matt	Brass plated polished PVD	Stainless steel matt	Brass plated polished PVD
		External module with lever handle pointing to the left		External module with lever handle pointing to the right	
	38–65	917.56.000	917.56.008	917.56.010	917.56.018
	66–80	917.56.020	917.56.028	917.56.030	917.56.038
	38–65	917.56.050	917.56.058	917.56.060	917.56.068
	66–80	917.56.070	917.56.078	917.56.080	917.56.088
	38–65	917.56.100	917.56.108	917.56.110	917.56.118
	66–80	917.56.120	917.56.128	917.56.130	917.56.138
	38–65	917.56.150	917.56.158	917.56.160	917.56.168
	66–80	917.56.170	917.56.178	917.56.180	917.56.188
	38–65	917.56.200	917.56.208	917.56.210	917.56.218
	66–80	917.56.220	917.56.228	917.56.230	917.56.238

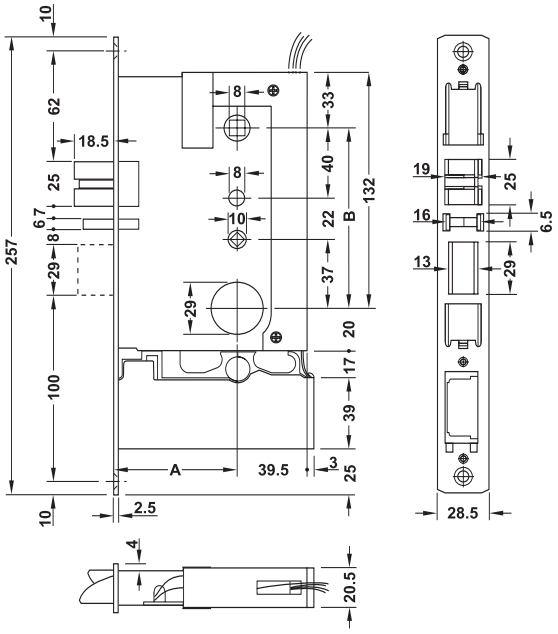
Order reference

Please order maintenace tools, programing tools and Tag-it™cards

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓑ Mortise lock DT Lite





Features

- For flush interior doors
- With comfort function(panic function)
- With closing spring latch and feedback
- Aperture: Pepared for round cylinder

Technical data

- Deadbolt: 1-turn, forend square
- Lever follower: □ 8 mm
- Backset A: 70 mm
- Distance B: 99 mm

Material/Finish

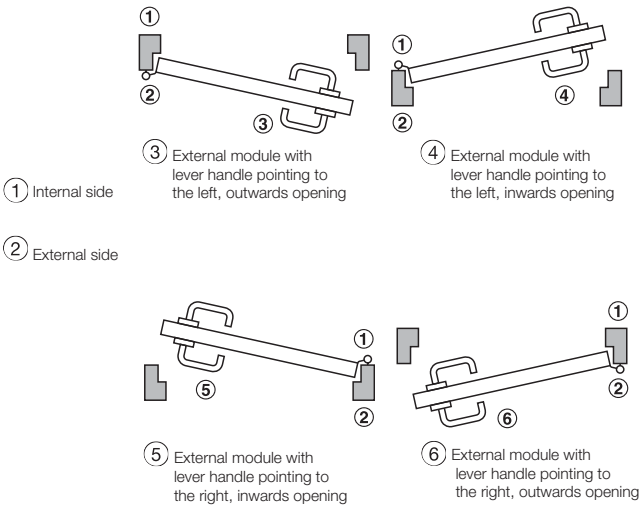
- Forend, latchbolt and deadbolt stainless steel matt, lock case and lever follower steel matt

Supplied with

1 Mortise lock and 2 fixing screws
1 Forend plate
1 Flanged striking plate with deadbolt pocket (width 46 mm)
1 Battery box (without batteries)

Mounting	Cat. No.
External module with lever handle pointing to the left, outwards opening	917.81.470
External module with lever handle pointing to the left, inwards opening	917.81.450
External module with lever handle pointing to the right, outwards opening	917.81.480
External module with lever handle pointing to the right, inwards opening	917.81.460

Determine lever handle and opening direction



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓒ Battery AA

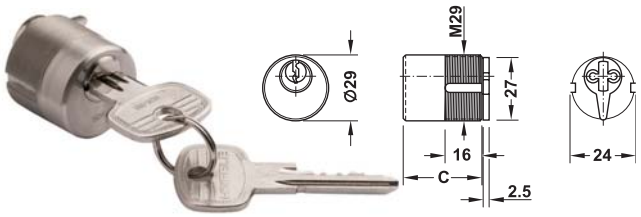


Note
A lithium battery has a service life of up to 7 times longer as an alkaline-manganese battery.

Type	Cat. No.
Alkaline-manganese battery 1.5V AA	910.54.980
Lithium battery 1.5V AA	910.54.940

Order reference
For one door terminal set 4 pieces required.

Ⓓ Round cylinder DT Lite



Features
- Keyed different or keyed alike

Material/Finish
- Cylinder housing brass nickel plated matt

With different key changes

Supplied with
1 Round cylinder, keyed different
3 Nickel plated steel keys

Length C mm	For door thickness mm	Cat. No.
27.5	38–50	917.81.520
37.5	51–70	917.81.540

With key alike

Supplied with
1 Round cylinder, keyed alike

For door thickness mm	Length C mm	Key change	Cat. No.
38–50	27.5	1	917.81.521
		2	917.81.522
		3	917.81.523
		4	917.81.524
		5	917.81.525
		6	917.81.526
		7	917.81.527
		8	917.81.528
		9	917.81.529
		10	917.81.530
51–70	37.5	1	917.81.541
		2	917.81.542
		3	917.81.543
		4	917.81.544
		5	917.81.545
		6	917.81.546
		7	917.81.547
		8	917.81.548
		9	917.81.549
		10	917.81.550

Order reference
Please order for key alike version the key separately.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓔ Threaded screw M5

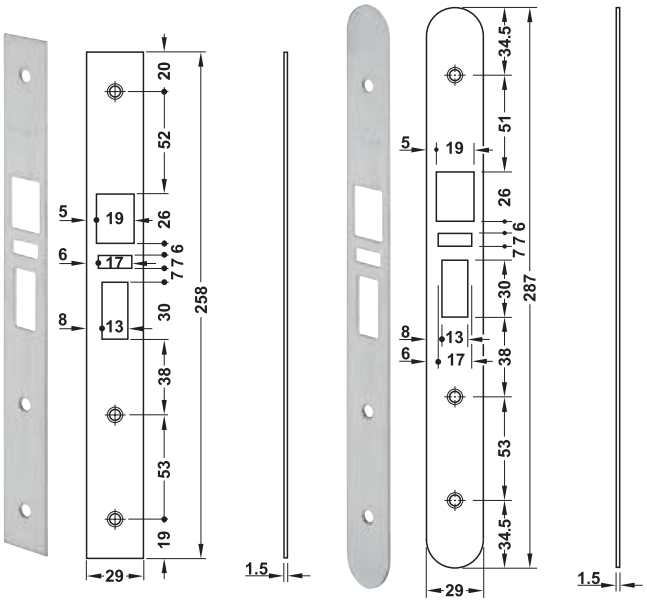


Material
• Steel
Supplied with
2 Threaded screws M5

Length mm	For door thickness mm
50	38–43
60	44–53
70	54–63
80	64–73
90	74–83

Length mm	Chrome plated matt	Brass plated polished PVD
50	917.80.904	917.80.908
60	917.80.924	917.80.928
70	917.80.944	917.80.948
80	917.80.964	917.80.968
90	917.80.984	917.80.988

Ⓕ Forend plate



Square Round

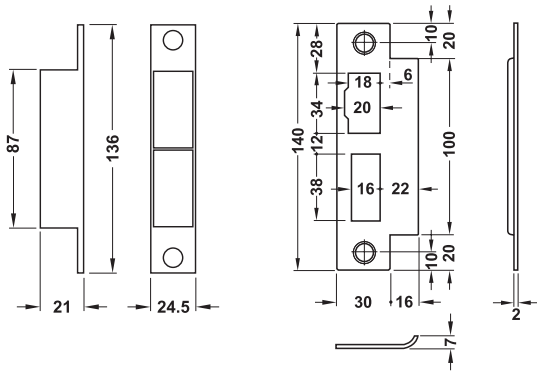
Material
• Stainless steel
Supplied with
1 Forend plate
3 Fixing screws

Version	Matt	Brass plated polished PVD
Square	–	917.81.098
Round	917.81.080	917.81.088

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓖ Striking plate





Material

• Striking plate stainless steel, deadbolt pocket plastic

Supplied with

1 Striking plate

1 Deadbolt pocket

2 Fixing screws

Mounting	Matt	Brass plated polished PVD
Width 46 mm		
DIN left	917.81.104	917.81.108
DIN right	917.81.114	917.81.118
Width 49 mm		
DIN left	917.81.124	917.81.128
DIN right	917.81.134	917.81.138

Cylinder cover opener



Supplied with	Cat. No.
1 Cylinder cover opener	917.81.902

Cylinder cover



Material/Finish	Cat. No.
Steel black	917.81.931

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Battery box

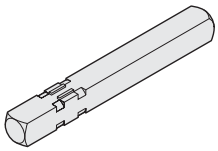


	Cat. No.
Battery box	917.81.950

Order reference

Please order 1.5 V AA batteries separately

Square spindle DND



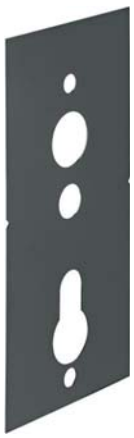
Supplied with

1 Square spindle DND

1 Spring

Length A mm	Door thickness. mm	Cat. No.
40	38–56	917.81.801
50	57–63	917.81.802
60	64–77	917.81.803

Drilling template DT Lite



Feature

- For work preparation of mounting DT door terminal sets on wooden doors

	Cat. No.
Drilling template DT Lite	917.90.007

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door terminal DT 210 Dialock





- ESD protection up to 20,000 V (ESD = electro-static discharge)
- Front foil with customised design
- Suitable for use with macro programming
- Logging function of opening and emergency opening processes in combination with suitable mortise lock

How to order door terminal DT 210

Following components are required for one door:
Please see more details on next page!

Ⓐ 1 Door module DT 210

Ⓑ 1 Mortise lock

Ⓒ 2 Door handles

Ⓓ 1 Sriking plastic box

Ⓔ 1 Single profile cylinder

Ⓕ 4 Batteries

Ⓖ 1 Striking plate

Ⓗ 1 Mounting material

Features

- Touchless activation with Tag-it™ key
- Door can be opened without a key at any time from the inside
- Blue/red LEDs for indication of locking and unlocking
- With internal thumbturn with which "Do not disturb" can be indicated on the reader module by a flashing signal
- Service life of battery: approx. 2 years, generally 10 locking cycles/day when use alkaline-manganese batteries 1.5V AA
- For door thickness: 33–108 mm
  8 level handles selection
- With real-time clock and logging of all processes
- Degree of protection: Indoor version: IP20; Outdor version: IP45
- Infrared interface for programming
- For service personnel, indication of programming status and when battery change is required

Order reference

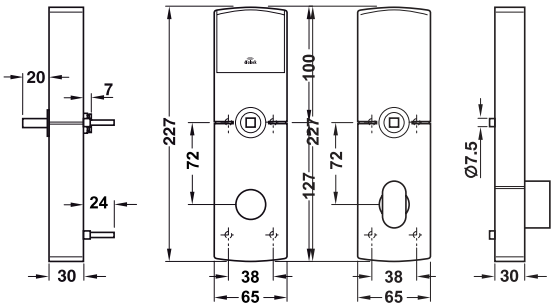
Please order maintenace tools, programing tools and Tag-it™ cards additionally.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

2

Ⓐ Door module DT 210





Backplate external module with processor

Backplate internal module, with thumbturn

Material

- Stainless steel

Supplied with

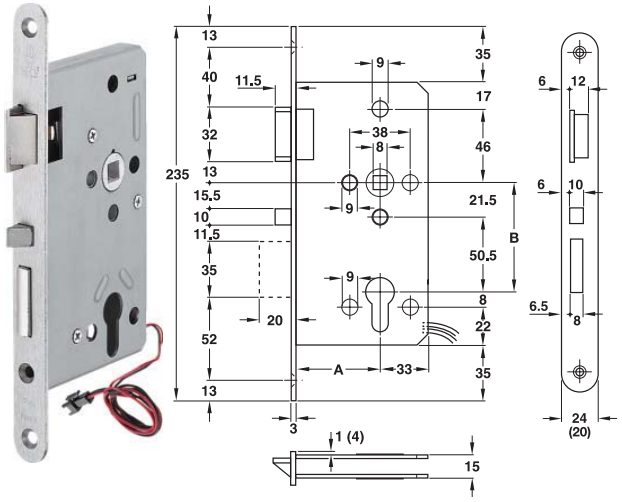
1 External module with processor

1 Internal module with thumbturn

1 Small parts bag

Finish	Indoor version	Outdoor version
Matt	917.54.500	917.54.520
Brass coloured polished PVD	917.54.508	917.54.528

Ⓑ Mortise lock



Features

- For single wooden doors,
- For rebated doors (forend 20 mm) or flush doors (forend 24 mm)
- With self-locking action and feed back

Technical data

- Deadbolt: 1-turn, forend round
- Lever follower: □ 8 mm
- Backset A: 55 mm
- Distance: 72 mm

Material

- Latchbolt malleable steel, deadbolt and lock case steel, follower malleable cast

Forend width mm	Mounting	Stainless steel matt	Stainless steel gold coloured
20	DIN L	911.17.122	911.17.142
	DIN R	911.17.123	911.17.143
24	DIN L	911.17.128	911.17.148
	DIN R	911.17.129	911.17.149

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© Door handle

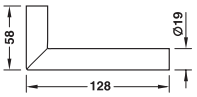
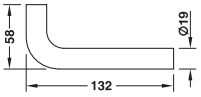
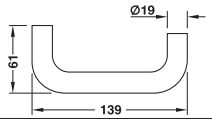
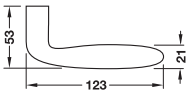
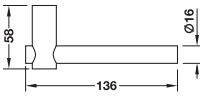
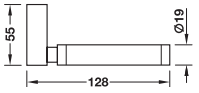
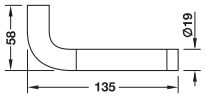
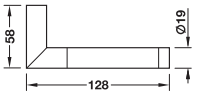
Material

• Stainless steel

Supplied with

1 Door handle (for 1 side)

1 Adapter C (909.09.742)

	Dimension	Model	Finish	Cat. No.
		Sandra	Matt	902.30.222
			Brass coloured polished PVD	902.30.008
		Sofea	Matt	902.30.232
			Brass coloured polished PVD	902.30.018
		Saria	Matt	902.30.242
			Brass coloured polished PVD	902.30.028
		Sissia	Matt	902.30.370
		Vennia	Matt	902.30.660
		Virginia	Polished/matt	902.30.671
		Laura	Polished/matt	902.30.292
		Leila	Polished/matt	902.30.372

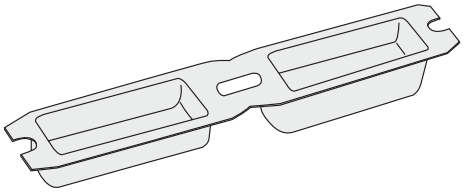
Order reference

Please order 2 pieces for one door terminal set.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

2

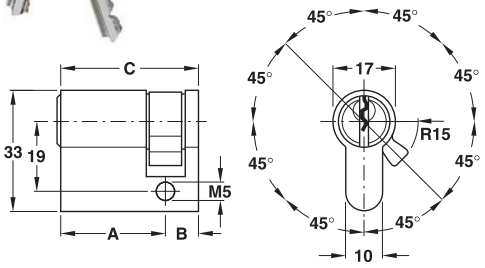
Ⓓ Striking plastic box



Material/Finish	Cat. No.
Plastic white	911.76.060
Plastic black	911.76.061

Ⓔ Single profile cylinder





Features

- Master key on request available
- With 5 pin tumblers, follower adjustable in 8 positions

Dim. A mm	Dim. B mm	Dim. C mm	Cat. No.
27.5	10	37.5	916.00.601
31.5		41.5	916.00.602
35.5		45.5	916.00.603
40.5		50.5	916.00.604
45.5		55.5	916.00.600
50.5		60.5	916.00.609
55.5		65.5	916.00.605
60.5		70.5	916.00.606
65.5		75.5	916.00.607

Ⓕ Battery AA



Note

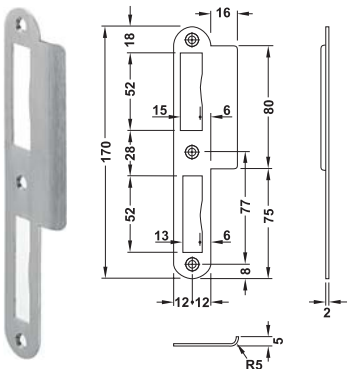
A lithium battery has a service life of up to 7 times longer as an alkaline-manganese battery.

Type	Cat. No.
Alkaline-manganese battery 1.5V AA	910.54.980
Lithium battery 1.5V AA	910.54.940

Order reference

For one door terminal set 4 pieces required.

Ⓖ Striking plate

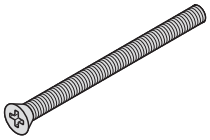


Material/Finish	DIN left	DIN right
Stainless steel matt	911.39.747	911.39.748

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓗ Mounting material


Spindle


Thread screw M4

Material/Finish
- Spindle steel yellow galavanized, M4 threaded screw steel galvanized

Supplied with
1 Spindle
4 Threaded screws M4

Door thickness mm	Spindle mm	Thread length mm	Cat. No.
33–40	100	25	917.90.441
38–48	110	30	917.90.442
48–58	120	40	917.90.443
58 –68	130	50	917.90.444
68–78	140	60	917.90.445
78–88	150	70	917.90.446
88–98	160	80	917.90.447

Cylinder cover



Material/Finish	Cat. No.
Plastic black	917.90.483

Drilling jig



Features
- Work preparation of wooden doors for mounting of DT 210/400 door terminal modules

	Cat. No.
Drilling jig	917.90.006

Locking ring pliers



Area of application	Cat. No.
For mounting of lever handle spindle	917.90.900

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door terminal DT 400 Dialock









OUTSTANDING QUALITY

- Elegant and modern design of rose and escutcheon, no backplate set outside
- Self-locking mortise lock with comfort function
- Escutcheon foil for reader module with customised design, if required

How to order door terminal DT 400

Following components are required for one door:

Please see more details on next page!

Ⓐ 1 Door module DT 400

Ⓑ 1 Spindle set

Ⓒ 1 Spacer plate (Necessary for slim door only.)

Ⓓ 1 Mounting screw set

Ⓔ 1 Rosette foil

Ⓕ 1 Door handle set

Ⓖ 1 Mortise lock

Ⓗ 1 Profile cylinder

Ⓘ 1 Striking plastic box

Ⓙ 1 Striking plate

Ⓚ 4 Batteries

Features

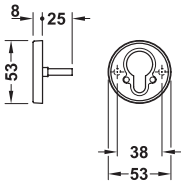
- Touchless activation with Tag-it™ key
- Door can be opened without a key at any time from the inside
- White/red LEDs for indication of locking and unlocking
- With internal thumbturn with which "Do not disturb" can be indicated on the reader module by a flashing signal
- Service life of battery: Approx. 55,000 locking and unlocking processes when use alkaline-manganese batterie 1.5V AA
- For door thickness: 33–108 mm
- 6 level handles selection
- With real-time clock and logging of all processes
- Degree of protection: IP54
- Infrared interface for programming
- For service personnel, Indication of programming status and when battery change is required

Order reference

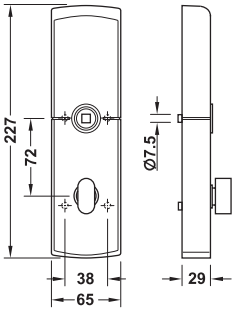
Please order maintenace tools, programing tools and Tag-it™ cards additionally.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

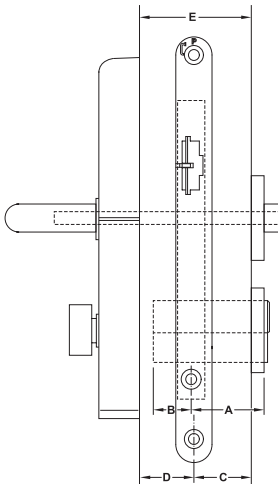
Ⓐ Door module DT 400



Reader module as escutcheon



Internal module as backplate with battery hold



A External length of profile cylinder

B Internal length of profile cylinder

C External thickness of door

D Internal thickness of door

E Door thickness

Note

Only rose and escutcheon have a protection degree of IP 54 and suitable for outdoor use. Please check the installation specifications for outdoor version.

Material

• Stainless steel

Supplied with

1 Internal module as backplate

1 Reader module as escutcheon

Finish	Indoor version	Outdoor version
Matt	917.46.500	917.46.520
Polished	917.46.501	917.46.521
Brass coloured polished PVD	917.46.508	917.46.528

Ⓑ Spindle set



Features

• For mounting of handles and mortise lock

• Version: Split 9 mm

Material/Finish

• Steel galvanized

Supplied with

1 Spindle, split, 9 mm, with threaded pin and sleeve nut

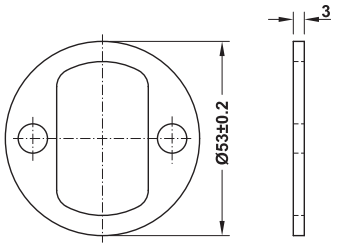
2 Grub screws for securing the aperture parts

2 Chipboard screws 4.5 x 40 mm for fixing the mortise lock

Dim. C mm	Dim. D mm	Cat. No.
15–30	8–23	917.90.560
	23–28	917.90.561
	38–53	917.90.562
30–45	8–23	917.90.563
	23–28	917.90.564
	38–53	917.90.565
45–60	23–28	917.90.566
	38–53	917.90.567

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓒ Spacer plate for reader module



Feature

- For compensation with thin door panels
- Thickness: 3 mm

Material

- Stainless steel

Technical data

If using a single profile cylinder 916.00.601 (Dim. A = 27.5mm):

- Spacer plate for reader module with blank escutcheon foil:
  Dim. C = 4–9 mm for inwards opening doors
  Dim. C = 6–11 mm for outwards opening doors
- Spacer plate for reader module with PC escutcheon foil:
  Dim. C = 10–15 mm for inwards opening doors
  Dim. C = 12–17 mm for outwards opening doors

Finish	Cat. No.
Matt	917.90.497
Polished	917.90.498
Brass coloured polished (PVD)	917.90.499

Order reference

Necessary for slim doors only.

Ⓓ Mounting screw set



Feature

- For mounting of modules to the door

Material/Finish

- Stainless steel galvanized

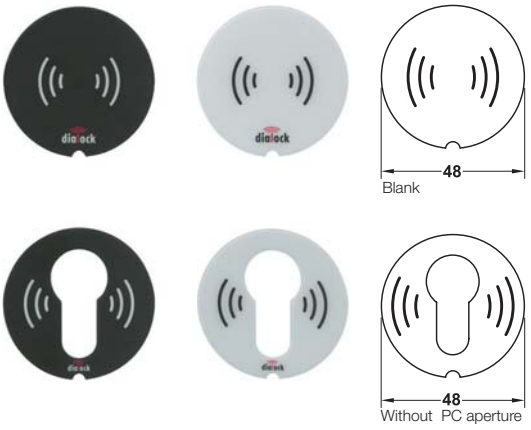
Supplied with

2 Screws M4 with threadlocker for level handle aperture part and internal module

2 Srews M4 for internal module and reader module

Dim. E mm	Cat. No.
36–46	917.90.450
46–56	917.90.451
56–66	917.90.452
66–76	917.90.453
76–86	917.90.454
86–96	917.90.455

Ⓔ Rosette foil



Apertures	Material/Colour	Cat. No.
PC	Plastic grey	917.90.070
	Plastic white	917.90.071
Blank	Plastic grey	917.90.074
	Plastic white	917.90.075

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓕ Door handle set

Material

• Stainless steel

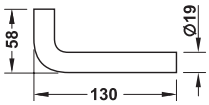
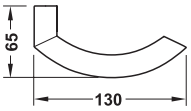
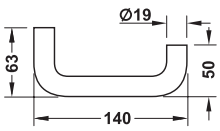
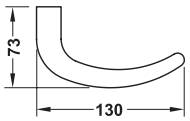
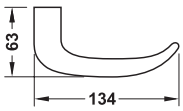
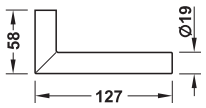
Supplied with

1 Door handle for internal module

1 Door handle with rosette

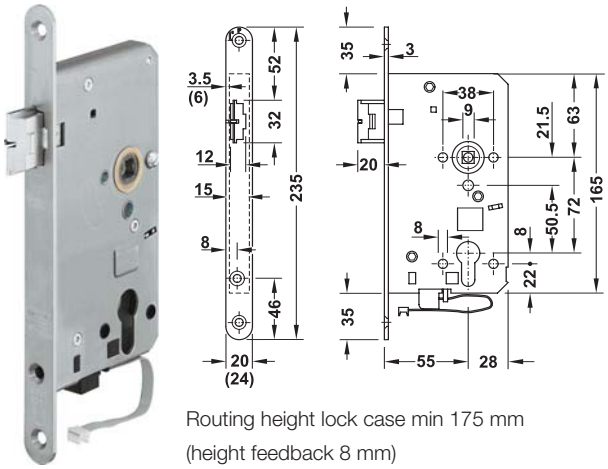
Note

Shape and dimensions are similar as shown in illustration.

	Dimension	Model	Finish	Cat. No.
		L	Matt	902.22.300
			Polished	902.22.301
			Brass coloured polished PVD	902.22.308
		C	Matt	902.22.310
			Polished	902.22.311
			Brass coloured polished PVD	902.22.318
		U	Matt	902.22.320
			Polished	902.22.321
			Brass coloured polished PVD	902.22.328
		H	Matt	902.22.330
			Polished	902.22.331
			Brass coloured polished PVD PVD	902.22.338
		J	Matt	902.22.340
			Polished	902.22.341
			Brass coloured polished PVD	902.22.348
		G	Matt	902.22.350
			Polished	902.22.351
			Brass coloured polished PVD	902.22.358

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

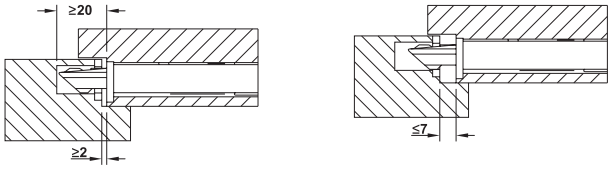
Ⓖ Mortise lock



Routing height lock case min 175 mm
(height feedback 8 mm)

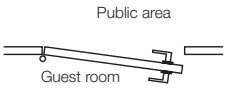
Installation

Rebate gap 2–7 mm. Space requirement for latchbolt throw min. 20 mm



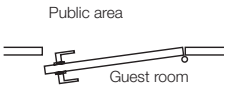
Door opening directio

DIN L

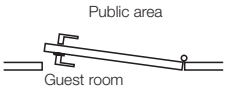


Inwards opening

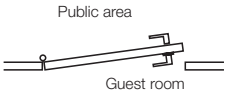
DIN R



Inwards opening



Outwards opening



Outwards opening

Function

Door is always locked.

Opening of door from inside: The latchbolt is retracted by activating the lever handle.

Opening of door from outside: Turn the key in the single profile cylinder in opening direction as far as it will go, hold and simultaneously activate lever handle.

Features

- Area of application: For single wooden doors, For rebated doors (forend 20 mm) or flush doors (forend 24 mm)
- Version: With self-locking action and feed back and certified in compliance with EN 12209

Technical data

- Deadbolt: 1-turn, forend round
- Lever follower: □ 9 mm
- Backset: 55 mm
- Distance: 72 mm

Material

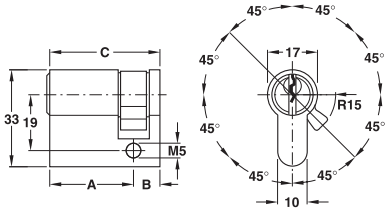
- Forend stainless steel, latchbolt and lock case steel, lever follower malleable cast

Forend width mm	Mounting	Cat. No.
20	DIN L, outwards opening	911.17.501
	DIN L, inwards opening	911.17.500
	DIN R, outwards opening	911.17.503
	DIN R, inwards opening	911.17.502
24	DIN L, outwards opening	911.17.513
	DIN L, inwards opening	911.17.512
	DIN R, outwards opening	911.17.515
	DIN R, inwards opening	911.17.514

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓗ Single profile cylinder for reader module

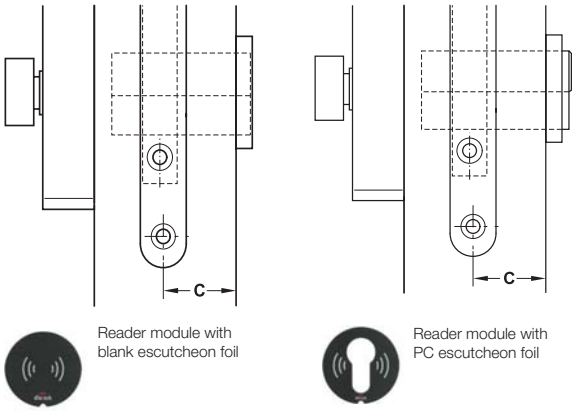




Features

- Master key on request available
- With 5 pin tumblers
- Follower adjustable in 8 positions

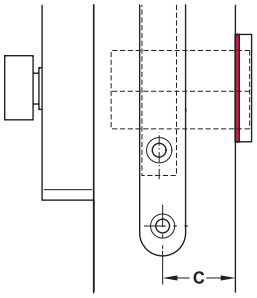
Installation options for profile cylinder



Reader module with blank escutcheon foil

Reader module with PC escutcheon foil

Special solution for thin doors



3 mm spacer plate required for:

Reader module with blank escutcheon foil: Dim. C = Max. 26 mm

Reader module with PC escutcheon foil: Dim. C = Max. 17 mm

For reader module with blank escutcheon foil



Dim. C mm	Mounting	Cat. No.
19–24	Inwards opening	916.00.601
21–26	Outwards opening	
22–27	Inwards opening	916.00.602
24–29	Outwards opening	
26–31	Inwards opening	916.00.603
28–33	Outwards opening	
30–35	Inwards opening	916.00.604
32–37	Outwards opening	

Reader module with PC escutcheon foil

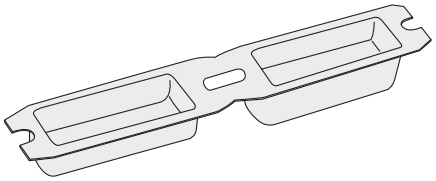


Dim. C mm	Mounting	Cat. No.
10–15	Inwards opening	916.00.601
12–17	Outwards opening	
13–18	Inwards opening	916.00.602
15–20	Outwards opening	
17–22	Inwards opening	916.00.603
29–24	Outwards opening	
21–26	Inwards opening	916.00.604
23–28	Outwards opening	

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

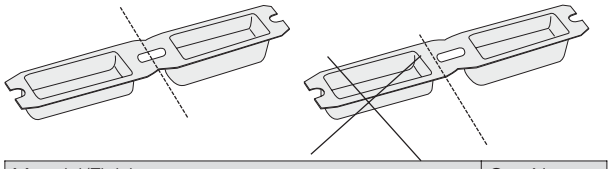
2

Ⓘ Striking plastic box



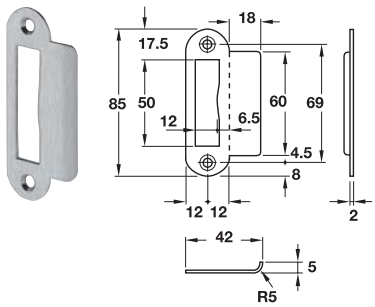
Preparation

1. Cut as below
2. Keep only the deeper plastic box



Material/Finish	Cat. No.
Plastic white	911.76.060
Plastic black	911.76.061

Ⓙ Striking plate



Material Finish	Cat. No.
Stainless steel matt	911.39.322
Brass plated polished	911.39.323

Ⓚ Battery AA



Note

A lithium battery has a service life of up to 7 times longer as an alkaline-manganese battery.

Type	Cat. No.
Alkaline-manganese battery 1.5V AA	910.54.980
Lithium battery 1.5V AA	910.54.940

Order reference

For one door terminal set 4 pieces required.

Drilling jig



Features

- Work preparation of wooden doors for mounting of DT 210/400 door terminal modules.

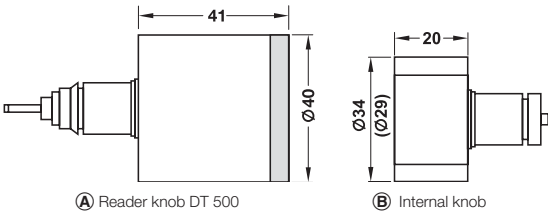
	Cat. No.
Drilling jig	917.90.006

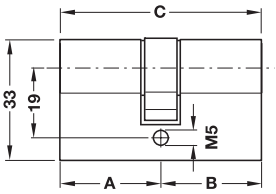
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Electronic profile cylinder DT 500 Dialock









Features

- Battery operated Duracell Ultra CR2
- Intelligent locking cylinder for indoor and outdoor use, for use with Euro profile locks in compliance with DIN 18251
- Cylinder has a modular design and can be equipped with access control on one or both sides
- Touchless activation with Dialock key
- Acoustic feedback when presenting the key
- Illuminated ring for status indication: Green = opening, red = locking, white = idle state
- With real-time clock and logging of all processes
- Infrared interface in electronic profile cylinder for programming
- Suitable for DIN left and right

Technical data

- Suitable for door thickness: 40–90 mm

Material/Finish

- Cylinder and knob housing brass nickel plated
- Front hard plastic

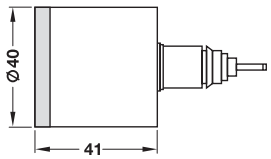
Note

For changing the DT 500 reader knob the disassembly card is required. For changing the battery the battery replacement tool and battery card are required. Use batterie type Duracell Ultra CR2.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓐ Reader knob DT 500





Technical data

- Battery life: Approx. 2 years with average frequency
- Relative humidity: 0 - 95 % (non-condensation)
- Ambient temperature: -25°C - +65°C
- Degree of protection: IP 64
- Profile cylind lengths: 25/35–40/50
- Number of possible Dialock keys: 1,000
- Log entries: 500

Supplied with

1 Reader knob module DT 500

2 Batteries Duracell Ultra CR

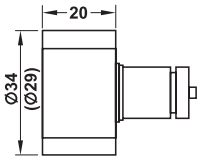
Technology	Cat. No.
Tag-it™ ISO	917.53.010

Order reference

Please order internal knob and PC cylinder adapter separaterly.

Ⓑ Internal knob





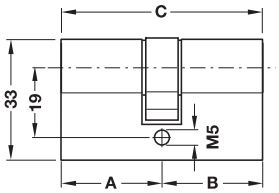
Material/Finish	Diameter mm	Cat. No.
Brass stainless steel polished	29	917.93.306
	34	917.93.316

Note

Disassembly is not possible.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓒ PC Cylinder adapter



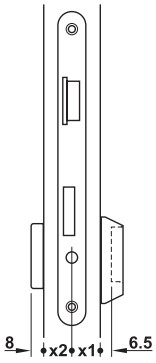
Material/Finish

• Brass nickel plated

Note

If dimension C is less than 60 mm, only 1 electronic set can be used with double cylinder adapter.

Calculation for determining the cylinder adapter



Length

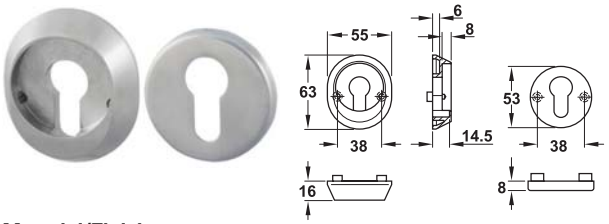
External side: Dim. A = X1 + 6.5 mm

Internal side: Dim. B = X2 + 8.0 mm

Dim. A mm	Dim. C mm	Dim. C mm	Cat. No.
Double cylinder adapter			
25	35	60	917.93.203
30	30	60	917.93.207
	35	65	917.93.208
	45	75	917.93.210
	40	70	917.93.209
	50	80	917.93.211
35	35	70	917.93.213
	40	75	917.93.214
	45	80	917.93.215
40	40	80	917.93.218
	45	85	917.93.219
	50	90	917.93.220
Single cylinder adapter			
25	10	35	917.93.401
30		40	917.93.402
35		45	917.93.403
40		50	917.93.404
45		55	917.93.405
50		60	917.93.406

Ⓓ Accessories for processing and installation

Security escutcheon DT 500



Material/Finish

• Stainless steel matt

Supplied with

1 Escutcheon outside DT 500

1 Escutcheon inside

2 Threaded screws M5 x 50

For door thickness mm	Cat. No.
40-45	917.93.380

Threaded screw M5, raised head, self-locking

Screw length mm	For door thickness mm	Cat. No.
40	31–36	909.75.101
45	36–41	909.75.102
47	38–41	909.75.103
50	41–46	909.75.104
55	41–51	909.75.105
60	51–56	909.75.106
65	56–61	909.75.107
70	61–66	909.75.108
75	66–71	909.75.109
80	71–76	909.75.110

Order reference

Please order for other door thicknesses different screws (2 pcs.).

Counter sunk screw M5 for PC cylinder in compliance with ISO 7046

Screw length mm	Cat. No.
40 (for narrow frame door)	909.70.340
80 (for backset 55 mm)	909.70.380

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓔ Maintenance tools and batteries



Version	Cat. No.
Battery CR2 3V lithium (2 pcs.)	910.54.960

• For removing the knob housing when battery change is required

	Cat. No.
Battery replacement tool	917.93.390



• External power supply for profile cylinder DT 500

	Cat. No.
Emergency power supply tool	917.93.391

Order reference

Please order the 9V battery block (910.54.981) separately.

Supplied with

Repair kit:

5 Couplings, right
5 Couplings, left
5 Sealing rings
5 Stop slides
10 Springs for stop slides
5 Nuts

Repair tool:

1 Mounting rod

Version	Cat. No.
Repair kit	917.93.392
Repair tool	917.93.393

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Battery card



Features

- For changing battery
- After pressing the battery card, the locking lugs on the knob housing can be pushed in with the battery replacement tool

Material

- Plastic

Supplied with

1 Battery card

Technology	Cat. No.
Tag-it™ ISO	917.43.090

Disassembly card



Features

- For removing reader knob DT 500
- After pressing the disassembly card the reader knob DT 500 can be removed from the cylinder

Material

- Plastic

Supplied with

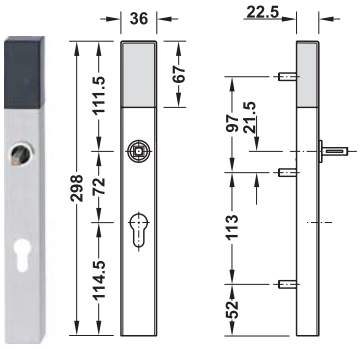
1 Disassembly card

Technology	Cat. No.
Tag-it™ ISO	917.43.091

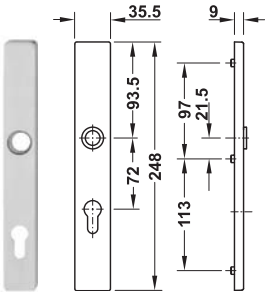
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door terminal DT 600 Dialock



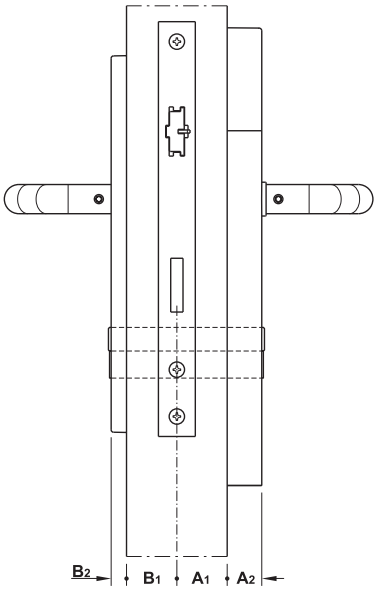


Blackplate external module
with processor (access control)



Backplate internal module

- Slim design
- Macros for function extension on request available



A External length of profile cylinder (A_1 + A_2)

A_1 External thickness of door frame

A_2 Thickness of external module = 23 mm

B Internal length of profile cylinder (B_1 + B_2)

B_1 Internal thickness of door frame

B_2 Thickness of internal module = 10 mm

A = A1 + 23 mm B = B1 + 10 mm
Selection of profile cylinder depends on thickness A1 and B1

Features

- Suitable for interior doors
- Touchless activation with Tag-it™ key
- Door can be opened without a key at any time from inside
- Blue/red LEDs for indication of locking and unlocking
- Service life of battery: Approx. 30,000 locking and unlocking processes when using alkaline-manganese batteries 1.5V AA
- With real-time clock and logging of all processes
- Infrared interface for programming
- For service personnel, Indication of programming status and when battery change is required
- Mechanical emergency opening is possible

Technical data

- For spindle: 8 mm
- Distance: 72 mm
- For door thickness: 41–91 mm
- Degree of protection: IP40

Material/Finish

- Housing stainless steel matt, reader plastic black

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓐ Module DT 600



Supplied with

1 External module without lever handle

1 Inner plate without door handle

1 Battery compartment cover

Version	Cat. No.
External module with level handle point to left	917.46.600
External module with level handle point to right	917.46.610

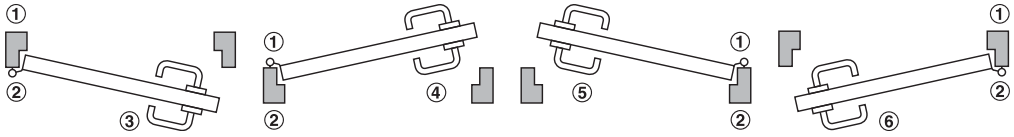
Note

The module is suitable with lever handle Sandra only.

Determine lever handle and opening direction

Internal side

External side



The opening direction inwards or outwards must be selected with the mortise lock.

External module with lever handle pointing to the left, outwards opening
DIN left mortise lock

External module with lever handle pointing to the left, inwards opening
DIN right mortise lock

External module with lever handle pointing to the right ,inwards openin
DIN left mortise lock

External side
External module with lever handle pointing tothe right,outwards opening
DIN right mortise lock

Mounting material



Technical data

- Spindle: 8 mm

Material/Finish

- Spindle steel yellow galvanized, screw steel galvanized

Supplied with

1 Spindle

3 Threaded screws, M4

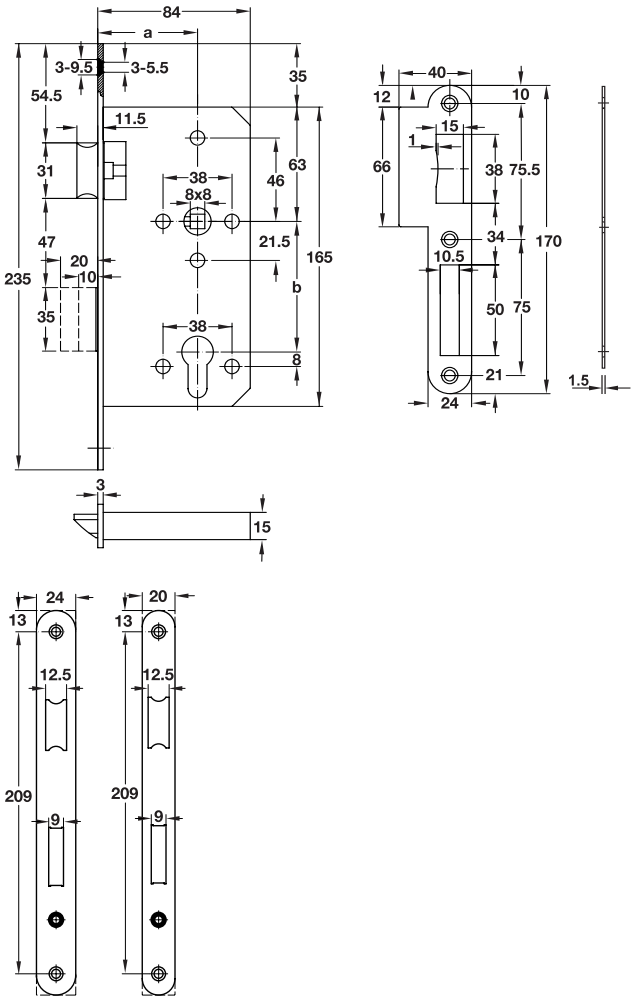
2 grup screws for door handle

Door thickness mm	Spindle mm	Cat. No.
36–41	100	917.90.500
41–51	110	917.90.501
51–61	120	917.90.502
61–71	130	917.90.503
71–81	140	917.90.504
81–91	150	917.90.505

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

© Mortise cylinder lock





Features

- For flush or rebated timber doors
- Latch operated with lever handle or key action
- Deadbolt operated with profile cylinder
- Reversible latch
- Tested to EN 12209
- Tested accordling to CE

Technical data

- Deadbolt: 2-turn
- Lever follower: □ 8 mm
- Distance (b): 72 mm, backset (a): 55 mm

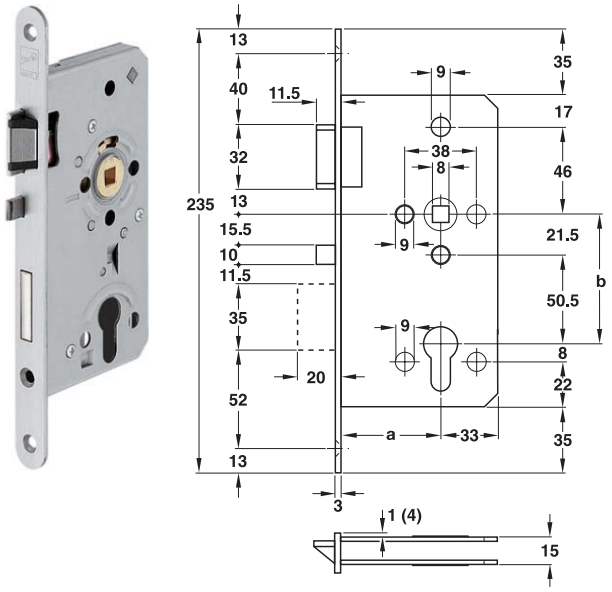
Material/Finish

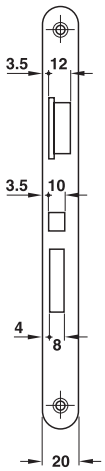
- Forend stainless steel matt (304), latch, dead bolt and follower solid stainless steel alloy, lock case steel galvanized

Version	Cat. No.
Forend 20 mm	911.02.151
Forend 24 mm	911.02.153

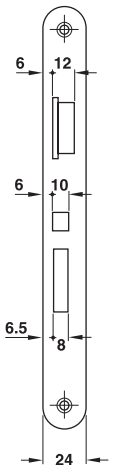
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

© Mortise cylinder lock





Forend width 20 mm
for rebated doors



Forend width 24 mm
for rebated doors

Features

- For rebated or flush wooden doors
- Latch operated with lever handle or key action
- Deadbolt operated with profile cylinder
- With closing spring preventing the latchbolt of pushing back, e.g. by a credit card
- With Quiet-Comfort equipment for quiet closing of the door

Technical data

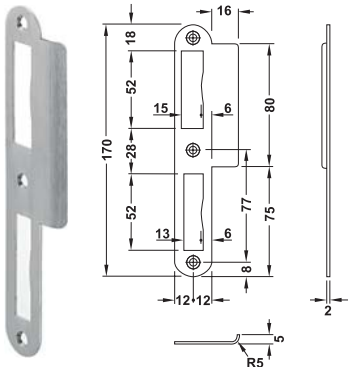
- Deadbolt: 2-turn
- Lever follower: □ 8 mm
- Distance (b): 72 mm, backset (a): 55 mm

Material

- Forend stainless steel, latch and dead bolt zinc alloy, closing spring latchbolt and lock case steel, follower brass

Forend width mm	Mounting	Cat. No.
20	DIN left	911.17.032
	DIN left	911.17.033
24	DIN left	911.17.048
	DIN left	911.17.049

Striking plate



Material/Finish	DIN left	DIN right
Stainless steel matt	911.39.747	911.39.748

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓓ Door handle

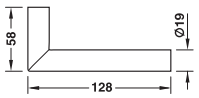
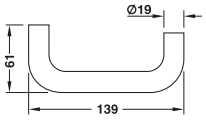
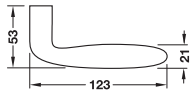
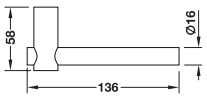
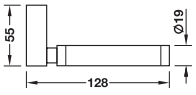
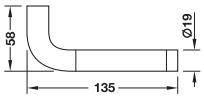
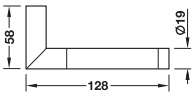
Material

• Stainless steel

Supplied with

1 Door handle (for 1 side)

1 Adapter (909.09.742)

	Dimension	Model	Finish	Cat. No.
		Sandra	Matt	902.30.222
		Sofea	Matt	902.30.232
		Saria	Matt	902.30.242
		Sissia	Matt	902.30.370
		Vennia	Matt	902.30.660
		Virginia	Polished/matt	902.30.671
		Laura	Polished/matt	902.30.292
		Leila	Polished/matt	902.30.372

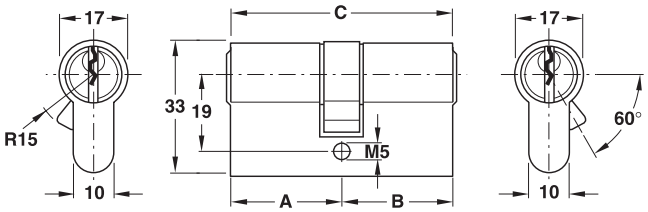
Order reference

Please order 2 pieces for one door terminal set.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓔ Double profile cylinder StarTec





Features

- Master key on request available
- With 5 pin tumblers
- Brass nickel plated

Supplied with

1 Double profile cylinder
3 Keys
1 Fastening screw

Length A mm	Length B mm	Length C mm	Cat. No.
27.5	27.5	55	916.00.001
	31.5	59	916.00.002
	35.5	63	916.00.003
	40.5	68	916.00.004
	45.5	73	916.00.005

Ⓕ Battery AA



Note

A lithium battery has a service life of up to 7 times longer as an alkaline-manganese battery.

Type	Cat. No.
Alkaline-manganese battery 1.5V AA	910.54.980
Lithium battery 1.5V AA	910.54.940

Order reference

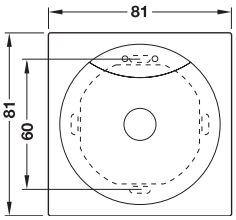
For one door terminal set 2 pieces required.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

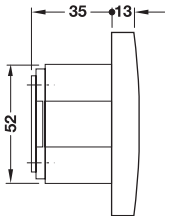
Wall terminal set WT 100 Dialock

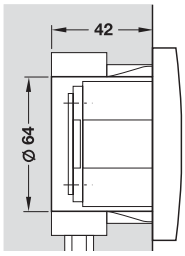






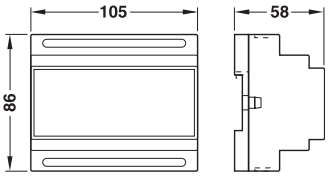
Wall reader





Required space for flush mounted box





Electronic control unit

Features

- For outdoor and indoor use, e.g. car park barriers, gates and any type of door equipment and furniture, lighting, alarm systems, video surveillance
- Red/green LEDs for indication of the activation status.
- Infrared interface in wall reader for programming
- With integrated real-time clock for programming time restricted locking authorisations (setting of time zones)
- Logging of all processes,
- With RS232 for optional networking via online sets
- With 4 input ports for analysing input signals (e.g. reed contact for door monitoring)
- Optional extension of functions by means of additional macro software Version

Material/Finish

- Wall reader housing plastic anthracite/silver coloured
- Electronic control unit housing plastic light grey

Supplied with

1 Wall reader in standard design with frame

1 Electronic control with housing for hat rail installation

Technology	Cat. No.
Tag-it™ ISO	917.41.004

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Technical data

Wall reader	Protection class		IP65
	Ambient temperature (operation)		-20 – +70°C
	Power supply		Via electronic control unit
	Connection screw terminals mm²		1.0
Electronic control unit	Protection class		IP20
	Ambient temperature (operation)		-20 – +70°C
	Power supply		9–40 V DC or 8–36 V AC
	Current input	Max. continuous current intake mA	150
		Max. peak current use mA	300
	Contact rating of relays	Max. voltage	60 V DC or 125 V AC
		Max. switching current (short-term) A	2.0
		Max. switching capacity	30 W or 60 VA
		Max. continous current A	1.0
	Min. data storage in the event of a powerfailure years		10
	Relative humidity non-condensating)		0–95%
	Connection screw terminals mm²		2.5

Technical reference

- Connection between wall reader and electronic control unit with four core installation cable in compliance with VDE 0815: Type J-Y (St) Y 2 x 2 x 0.8 mm (twisted pair, shielded), max. length 35 m (Tag-it™ ISO),
- Please contact Dialock specialist for other lengths
- Installation of wall readers in flush mounted box with 2 device fastening screws with 15 mm distance (60 mm in compliance with DIN).
- Make sure the fastening points on the flush box are horizontal
- Minimum distance between 2 wall readers 250 mm
- Installation of wall reader in metal surroundings must be planned

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Additional wall reader on opposite side



Technical reference

- When using an additional wall reader the total cable length of two wall readers should not exceed 35 m, (please contact our Dialock specialist for other lengths).
- Installation of wall readers in flush mounted box with 2 device fastening screws with 15 mm distance (60 mm in compliance with DIN)
- Make sure that the fastening points on the flush box are horizontal
- Minimum distance between 2 wall readers 250 mm
- Installation of wall reader in metal surroundings must be planned

Features

- Using with WT Wall terminal set WT 100
- Protection of door on both sides (inside and outside), with identical access authorisations.

Supplied with

1 Wall reader WT 100

1 Parameter card no.20 (for addressing the wall reader)

Technology	Cat. No.
Tag-it™ ISO	917.41.900

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



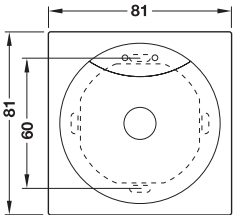
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

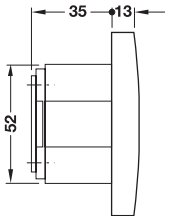
Wall terminal set WT 100 MOT Dialock

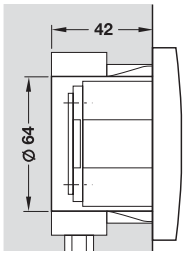




Wall reader

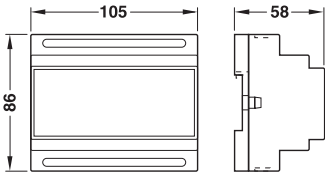






Required space for flush mounted box





Electronic control unit

Features

- For outdoor and indoor use:
  Wall terminal set WT 100 MOT for controlling lifts and lighting
  Wall terminal set WT 100 MOT for MLA 8 for controlling locker systems, equipment and furniture
- Tag-it™ ISO processor
- Red/green LEDs for indication of the activation status.
- Infrared interface in wall reader for programming
- With integrated real-time clock for programming time restricted locking authorisations (setting of time zones)
- Logging of all processes,
- With RS232 for optional networking via online sets
- With 4 input ports for analysing input signals
- Optional extension of functions by means of additional macro software

Material/Finish

- Wall reader housing plastic anthracite/silver coloured
- Electronic control unit housing plastic light grey

Supplied with

1 Wall reader in standard design with frame
1 Electronic control with housing for hat rail installation

Wall terminal set	Cat. No.
WT 100 MOT	917.41.142
WT 100 MOT for MLA 8	917.41.144

Order reference

When using wall terminal set WT 100 MOT for MLA 8
a parameter card No. 89 (917.42.122) will be required.

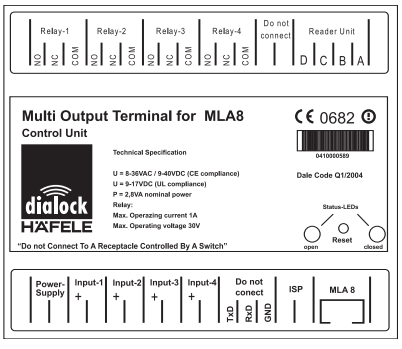
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Technical data

Wall reader	Protection class		IP65
	Ambient temperature (operation)		-20 – +70°C
	Power supply		Via electronic control unit
	Connection screw terminals mm²		1.0
Electronic control unit	Protection class		IP20
	Ambient temperature (operation)		-20 – +70°C
	Power supply		9–40 V DC or 8–36 V AC
	Current input	Max. continuous current intake mA	150
		Max. peak current use mA	300
	Contact rating of relays	Max. voltage	60 V DC or 125 V AC
		Max. switching current (short-term) A	2.0
		Max. switching capacity	30 W or 60 VA
		Max. continous current A	1.0
	Min. data storage in the event of a powerfailure years		10
	Relative humidity non-condensating)		0–95%
	Connection screw terminals mm²		2.5

Technical reference

- Connection between wall reader and electronic control with four core installation cable in compliance with VDE 0815:
  Type J-Y (St) Y2x2x0.8 mm (twisted pair, shielded), max. length 35 m
- Please contact our Dialock specialist for other lengths
- Installation of wall readers in flush mounted box with 2 device fastening screws in 15 mm distance (60 mm in compliance with DIN)
- Make sure the fastening points on the flush box are horizontal
- Minimum distance between 2 wall readers 250 mm
- Installation of wall reader in metal surroundings must be planned
- Programming during standalone operation is not possible
- Planning by Dialock specialist is required
- EFL 3, EFL 6, FLC furniture locks can be connected to the MLA 8
- MLA 8R with relay output ports is usable for any electrical load,e.g. elevator



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

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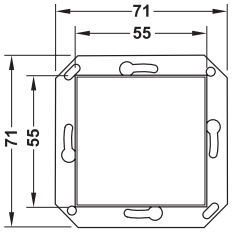
Wall terminal set WT 140 Gira Dialock

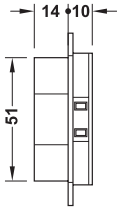


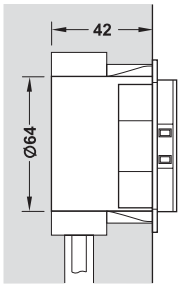


Design example:
Wall reader with Gira Esprit black glass frame with optional information symbols for hotels



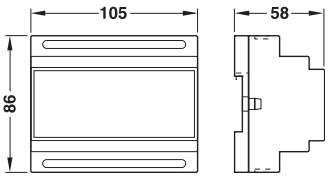






Required space for flush mounted box





Electronic control unit

Features

- For outdoor and indoor use as car park barriers, gates and any type of doors
- Red/green LEDs for indication of the activation status
- Infrared interface in wall reader for programming
- With integrated real-time clock for programming time restricted locking authorisations (setting of time zones)
- Logging of all processes
- With RS232 for optional networking via online sets
- Optional extension of functions by means of additional macrosoftware
- Different combinations of frame with all available colors of Gira System 55
- Macros for function extension on request

Material/Finish

- Wall reader housing plastic anthracite/silver coloured
- Electronic control unit housing plastic light grey

Supplied with

1 Wall reader WT 140 Gira without Gira frame
1 Electronic control with housing for hat rail installation

Technology	Cat. No.
Tag-it™ ISO	917.51.258

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Technical data

Wall reader	Protection class		IP65
	Ambient temperature (operation)		-20 – +70°C
	Power supply		Via electronic controunit
	Connection screw terminals mm²		0.5
Electronic control unit	Protection class		IP20
	Ambient temperature (operation)		-20 – +70°C
	Power supply		9–40 V DC or 8–36 V AC
	Current input	Max. continuous current intake mA	150
		Max. peak current use mA	300
	Contact rating of relays	Max. voltage	60 V DC or 125 V AC
		Max. switching current (short-term) A	2.0
		Max. switching capacity	30 W or 60 VA
		Max. continous current A	1.0
	Min. data storage in the event of a powerfailure years		10
	Relative humidity non-condensating)		0–95 %
	Connection screw terminals mm²		2.5

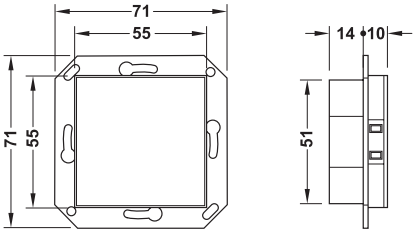
Technical reference

- Connection between wall reader and electronic control unit with four core installation cable in compliance with VDE 0815: Type J-Y (St) Y 2 x 2 x 0.8 mm (twisted pair, shielded), max. length 35 m (Tag-it™ ISO),
- Please contact Dialock specialist for other lengths
- Installation of wall readers in flush mounted box with 2 device fastening screws with 15 mm distance (60 mm in compliance with DIN).
- Make sure the fastening points on the flush box are horizontal
- Minimum distance between 2 wall readers 250 mm
- Installation of wall reader in metal surroundings must be planned

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Additional wall reader on opposite side





Technical reference

- When using an additional wall reader the total cable length of two wall readers should not exceed 35 m
- Please contact our Dialock specialist with other lengths
- Installation of wall readers in flush mounted box with 2 device fastening screws with 15 mm distance (60 mm in compliance with DIN)
- Make sure the fastening points on the flush box are horizontal
- Minimum distance between 2 wall readers 250 mm
- Installation of wall reader in metal surroundings must be planned

Features

- Using with WT Wall terminal set WT 140 Gira
- Protection of door on both sides (inside and outside), with identical access authorisations.

Supplied with

1 Wall reader WT 140 Gira

1 Parameter card no.20 (for addressing the wall reader)

Technology	Cat. No.
Tag-it™ ISO	917.41.960

Gira frames System 55 – E2



Colour	1-gang	2-gang
Pure white glossy	985.50.017	985.50.027
Pure white silk matt	985.50.016	985.50.026
Aluminium coloured	985.50.019	985.50.029
Anthracite	985.50.015	985.50.025

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Gira frames System 55 – Event Opaque


Mint


Blue


Red


Orange


White


Amber coloured


Dark brown

Event Opaque for	Colour	1-gang	2-gang
Pure white central inserts	Mint	912.08.710	912.08.720
	Blue	912.08.718	912.08.728
	Red	912.08.719	912.08.729
	Orange	912.08.716	912.08.726
	White	912.08.717	912.08.727
	Amber coloured	912.08.712	912.08.722
	Dark brown	912.08.711	912.08.721
Anthracite coloured central inserts	Mint	912.08.730	912.08.740
	Blue	912.08.738	912.08.748
	Red	912.08.739	912.08.749
	Orange	912.08.736	912.08.746
	White	912.08.737	912.08.747
	Amber coloured	912.08.732	912.08.742
	Dark brown	912.08.731	912.08.741
Aluminium coloured central inserts	Mint	912.08.750	912.08.760
	Blue	912.08.758	912.08.768
	Red	912.08.759	912.08.769
	Orange	912.08.756	912.08.766
	White	912.08.757	912.08.767
	Amber coloured	912.08.752	912.08.762
	Dark brown	912.08.751	912.08.761

Gira frames System 55 - Event Clear


White


Black


Green


Brown


Aubergine


Sand coloured

Event Clear for	Colour	1-gang	2-gang
Pure white central inserts	White	912.08.817	912.08.827
	Black	912.08.813	912.08.823
	Green	912.08.810	912.08.820
	Brown	912.08.811	912.08.821
	Aubergine	912.08.819	912.08.829
	Sand coloured	912.08.814	912.08.824
Anthracite coloured central inserts	White	912.08.837	912.08.847
	Black	912.08.833	912.08.843
	Green	912.08.830	912.08.840
	Brown	912.08.831	912.08.841
	Aubergine	912.08.839	912.08.849
	Sand coloured	912.08.834	912.08.844
Aluminium coloured central inserts	White	912.08.857	912.08.867
	Black	912.08.853	912.08.863
	Green	912.08.850	912.08.860
	Brown	912.08.851	912.08.861
	Aubergine	912.08.859	912.08.869
	Sand coloured	912.08.854	912.08.864

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

2

Gira frames System 55 – Esprit


Mint glass


White glass


Black glass


Aluminium coloured


Brass plated


Chrome plated


Wenge wood

Colour	1-gang	2-gang
Mint glass	912.08.610	912.08.620
White glass	912.08.617	912.08.627
Black glass	912.08.613	912.08.623
Aluminium coloured	912.08.619	912.08.629
Brass plated	912.08.615	912.08.625
Chrome plated	912.08.614	912.08.624
Wenge wood	912.08.616	912.08.626

Gira frames System 55 – E22


Pure white


Aluminium coloured


Stainless steel coloured

E22	Colour	1-gang	2-gang
–	Pure white	985.52.317	985.52.327
	Aluminium coloured	985.52.319	985.52.329
	Stainless steel coloured	985.52.310	985.52.320
For flat installation	Pure white	985.52.017	985.52.027
	Aluminium coloured	985.52.019	985.52.029
	Stainless steel coloured	985.52.010	985.52.020

Gira frames System S-Colour


Pure white


Grey


Red


Blue


Black

Note

Only usable in combination with passive Gira energy control terminal ESS 140 Gira. Not suitable for wall terminal sets.

Colour	1-gang	2-gang
Pure white	985.50.117	985.50.127
Grey	985.50.115	985.50.125
Red	985.50.119	985.50.129
Blue	985.50.118	985.50.128
Black	985.50.113	985.50.123

Gira frames System TX_44


Pure white


Anthracite


Aluminium coloured

Colour	1-gang	2-gang
Pure white	912.08.117	912.08.127
Grey	912.08.115	912.08.125
Red	912.08.119	912.08.129

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sealing flange for rocker switches



Functionality

- In conjunction with System TX_44 frame and insert, a wide range of rocker switches is suitable for water-protected flush-mounted installation (protection class IP44)

Colour	Cat. No.
White	917.91.290

Insert for System TX_44 1-gang cover frame



Pure white

Colour	Cat. No.
Pure white	917.91.267
Anthracite	917.91.265
Aluminium coloured	917.91.269

Accessories for Gira cover frame

Surface mounted housing with cover frame



Cream white glossy



Pure white glossy

Note

Suitable for wall terminal set WT 140 Gira.

Colour	1-gang	2-gang
Cream white glossy	985.50.214	985.50.224
Pure white glossy	985.50.217	985.50.227

Accessories for Gira cover frame

2-way rocker switch for room status indication in hotels



Functionality

- Room status indicator "Do not disturb" and "Make up room"
- With interlock to prevent simultaneous switching

Colour	Cat. No. รหัสสินค้า
Cream white glossy	985.50.304
Pure white glossy	985.50.307
Pure white silk matt	985.50.306
Anthracite	985.50.305
Aluminium coloured	985.50.309

Mounting box Profile 55

Colour	1-gang	2-gang
Pure white	985.50.417	985.50.427
Aluminium coloured	985.50.419	985.50.429

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Accessories for Gira cover frame

Room status indicator in hotels



Technical data	
Voltage supply	230 V AC, 50 Hz
Protection class	IP20
Operating temperature	-15 – +40°C

Function

- With green and red 230 V LED, marking and pictogram
- “Do not disturb" (red) and “Make up room" (green) indicators
- Each half can be controlled separately, e.g. via series switch
- Installation: In deep flush box in compliance with DIN 49073

Colour	Cat. No.
Cream white glossy	985.50.324
Pure white glossy	985.50.327
Pure white silk matt	985.50.326
Anthracite	985.50.325
Aluminium coloured	985.50.329

Room status indicator in hotels



Technical data		
Voltage supply		230 V AC, 50 Hz
Protection class		IP20
Power consumption		1.0 W/5.6 VA
Luminosity	Red	0.1 cd
	Green	0.3 cd
Operating temperature		-15 – +40°C

Function

- Simple LED signalling for e.g. treatment rooms, conference or hotel rooms
- Homogeneously illuminated area, divided into a red (top) and green (bottom) area
- Each half can be controlled separately, e.g. via series switch

Supplied with

1 Room status indicator in hotels
1 Label "Bitte warten"/"Bitte eintreten"
1 Label "Do not disturb"/"Make up room"

	Cat. No.
Room status indicator in hotels	985.50.310

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Passive energy control terminal ESS 140 Gira



Features

- For indoor use:
  Particularly suitable for use in hotels to activate electrical loads in guest rooms such as lighting, TV, sockets, air conditioning
- Activation as long as a Dialock card is inserted in the hold of the energy control terminal, authorisations of the card holder are not taken into consideration, that means every card is authorised

Material

- Housing plastic

Technical data	
Protection class	IP20
Contact rating	250 V AC/3 A
Connection screw terminals mm^2	1.5

For Gira frames System 55



Creamy white glossy | Pure white glossy | Pure white silk matt | Anthracite | Aluminium coloured

Colour	Cat. No.
Cream white glossy	917.91.274
Pure white glossy	917.91.277
Pure white silk matt	917.91.276
Anthracite	917.91.275
Aluminium coloured	917.91.279

For Gira frames System S-Colour



Pure white | Grey | Red | Blue | Black

Colour	Cat. No.
Pure white	917.91.217
Grey	917.91.215
Red	917.91.219
Blue	917.91.218
Black	917.91.213

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Wall terminal set WT 500 Dialock





Entrance wall reader WRU 500



Internal module WRU 501

Wall terminal set

Version 1:

Basic version with entrance wall reader WRU 500

- For opening guest room doors, the touch sensitive push button surface can also be used as door bell or buzzer, for example (optional).
- Consists of: Entrance wall reader WRU 500, electronic control unit WTC 100, front frame (colour can be coordinated) and flush mounted box

Version 2:

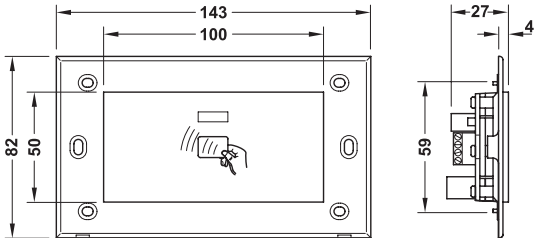
Comfort version with entrance wall reader WRU 500 and internal module WRU 501 is the same as version 1 but additional illuminated symbols can be controlled from inside (“Please clean room”, “Do not disturb”), symbols visible from inside and outside, energy control terminal for controlling electric circuits and switching devices in the guest room.

Consists of: Entrance wall reader WRU 500, internal module WRU 501, electronic control unit WTC 500, front frame (colour can be coordinated) and flush mounted boxes

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Entrance wall reader WRU 500





Features

- Intelligent reader for interior guest doors in the corridor, activated by Tag-IT™ card.
- Display of the locking and unlocking with LEDs red / green
- Engage the mortise lock and disengaged after 10 s automatically
- For service personnel, indicate the programming status
- Infrared interface for programming
- In combination with internal module WRU 501: Display of illuminated symbols "Please clean up" and "Do not disturb"
- Customized icons and logos available

Technical data

- Protection class: IP 20
- Power supply: 12–24 V DC
- Spring clip terminal connection: 0.5 mm^2

Technical reference

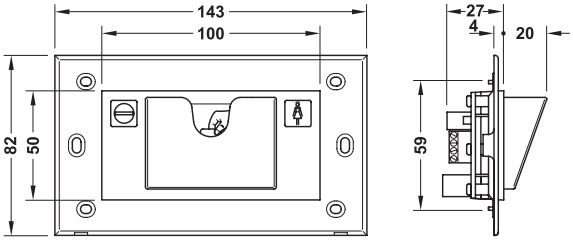
- Electronic control unit WTC 100 for wall reader WRU 500, electronic control unit WTC 500 for wall reader WRU 500 and internal module WRU 501
- Connection between wall reader and electronic control unit with four core installation cable in compliance with VDE 0815: Type J-Y (St) Y 2x2x0.8 mm (twisted pair, shielded), max. length 35 m (Tag-it™-ISO)
- Please contact Dialock specialist with other lengths
- Installation of wall readers in flush mounted box (134 x 74 mm) with 2 screws.
- Please make sure fastening points on the flush box are horizontal
- Installation of wall reader in metal surroundings must be planned

Material/Colour	Cat. No.
Housing of the reader plastic black	917.41.970

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Internal module WRU 501





Features

- Intelligent reader for interior guest doors in the corridor, activated by Tag-IT™ card
- Display of the locking and unlocking with LEDs red / green
- Engage the mortise lock and disengaged after 10 s automatically
- For service personnel, indicate the programming status
- Infrared interface for programming
- In combination with internal module WRU 501: Display of illuminated symbols "Please clean up" and "Do not disturb"
- Customized icons and logos available

Technical data

- Protection class: IP 20
- Power supply: 12–24 V DC
- Spring clip terminals connection: 0.5 mm^2

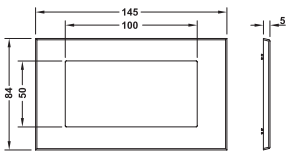
Technical reference

- Electronic control unit WTC 100 for wall reader WRU 500, electronic control unit WTC 500 for wall reader WRU 500 and internal module WRU 501
- Connection between wall reader and electronic control unit with four core installation cable in compliance with VDE 0815: Type J-Y (St) Y 2x2x0.8 mm (twisted pair, shielded), max. length 35 m (Tag-it™-ISO)
- Please contact Dialock specialist with other lengths
- Installation of wall readers in flush mounted box (134 x 74 mm) with 2 screws.
- Please make sure fastening points on the flush box are horizontal
- Installation of wall reader in metal surroundings must be planned

Material/Colour	Cat. No.
Housing of the reader plastic black	917.41.980

Front frame for entrance reader WRU 500 and internal module WRU 501





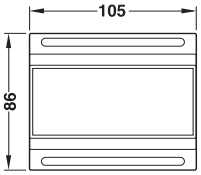
- Installation: For clipping

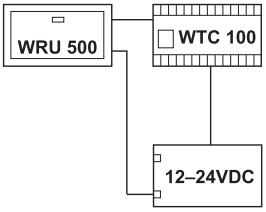
Material/Finish	Cat. No.
Plastic stainless steel coloured matt	917.91.310
Plastic brass coloured polished	917.91.318
Plastic chrome coloured polished	917.91.312

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

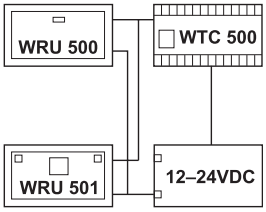
Electronic control unit WTC 100/500







Schematic for WTC 100



Schematic for WTC 500

Features

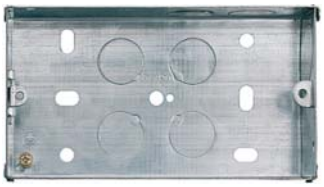
- Electronic control unit WTC 100: To control the entrance wall reader WRU 500
- Electronic control unit WTC 500: To control the combination of entrance wall reader WRU 500 and internal module WRU 501
- With built-in clock for programming time-limited access rights (division of time zones)
- With logging of all processes
- With 4 inputs for the evaluation of the input signals, e.g. read contact for door monitoring
- With serial interface RS 232 for optional networking via online sets
- Installation: For mounting on DIN rail

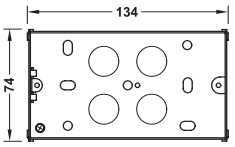
Material/Colour	WTC 100	WTC 500
Housing plastic light grey	917.91.064	917.91.069

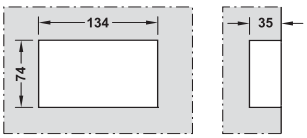
Technical data

Protection class		IP20
Ambient temperature (operation)		-20 – +70ºC
Power supply		9–40 V DC or 8–36 V AC
Current input	Max. continuous current intake mA	150
	Max. peak current use mA	450
Contact rating of relays	Max. voltage	60 V DC or 125 V AC
	Max. switching current (short-term) A	2.0
	Max. switching capacity	30 W or 60 VA
	Max. continous current A	1.0
Min. data storage in the event of a powerfailure years		10
Relative humidity (non-condensating)		0–95%
Connection screw terminals mm²		2.5

Wall mounting box







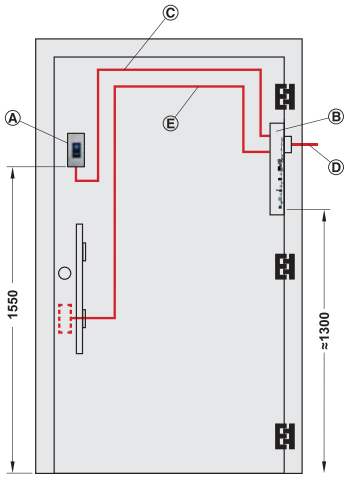
Material/Finish	Cat. No.
Steel galvanized	917.91.025

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

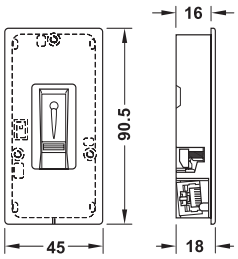
Biometric fingerprint scanner integra WT 900 Dialock











- Fingerprint scanner installed on the door directly
- Simple and safe installation by plug system
- For all electronic locking elements on market (motor locks, electric strikes, door openers etc.)

Features

- Suitable to install finger scanner on door panel
- Stores 99 fingerprints and used for indoor and outdoor
- With 1output, dry contact up to 42V 2A for door lock or so on.
- Standalone version - No need software and computer
- Convenient and secure - No keys, passwords or cards to be forgotten, stolen or lost
- Power supply 8-24 V AC or 8-30 V DC
- Protection class: Finger scanner IP54 outside/IP40 inside, control panel IP67
- Biometric figures: FAR 1 x 10^{-7} at FRR 1.4 x 10^{-2}
- Recommended fingerprint scanner mounting height from ground to scanner lower edge at least 1,550 mm

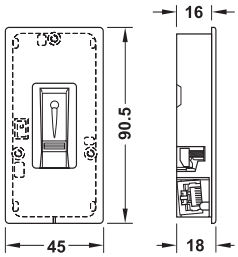
Technical reference

- Door cut-out for fingerprint scanner 85 x 39.5 mm (corner radius max. 5 mm), milling depth is 16 mm, for additional control panel and cables are milling required
- Power supply must ensure that the distance between control panel and finger scanner is more than 50 m and a min. cable diameter of 0.5 mm is selected

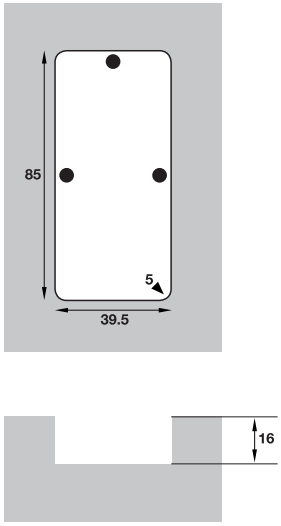
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓐ Fingerprint scanner





Milling dimension



Features

- Biometric figures: FAR 1 x 10^{-7} at FRR 1.4 x 10^{-2}
- Recommended fingerprint scanner mounting height from ground to scanner lower edge at least 1,550 mm

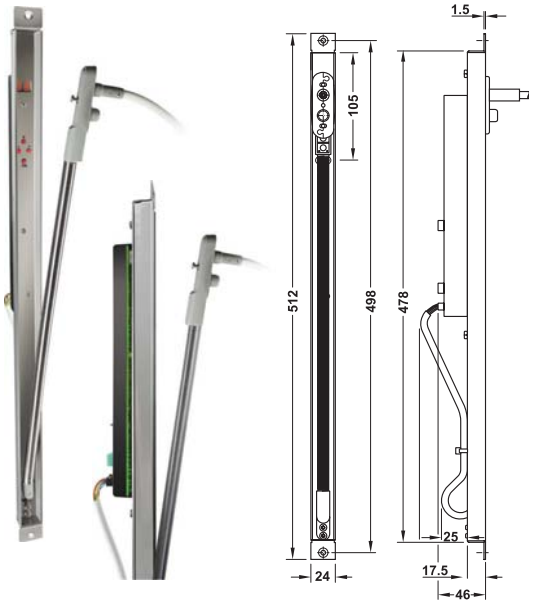
Supplied with

1 Fingeprint scaner

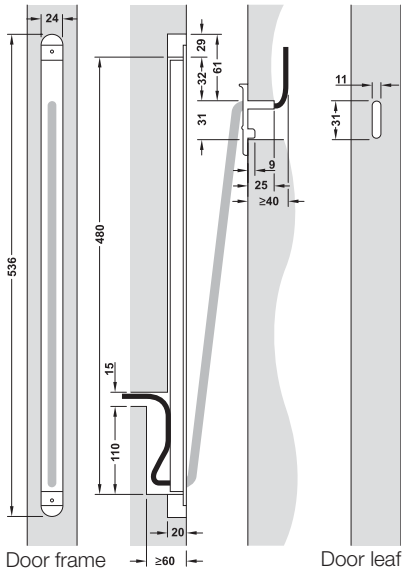
1 Cover plate, stainless steel matt

Lifetime	Cat. No.
10 million swipes under normal conditions	912.10.605

Ⓑ Control panel with cable transition, concealed installation

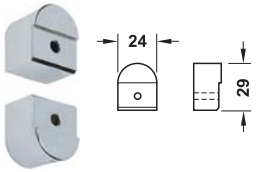


Milling dimension



Opening angle	Cat. No.
180°	912.09.570

Mounting kit for timber doors



	Cat. No.
Mounting kit for timber doors	912.10.690

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓒ Cable type A – RJ45/CP35, 4-pin



Features

- For connection between connected fingerprint scanner and control panel

Length mm	Cat. No.
2,000	912.09.580
4,000	912.09.584

Ⓓ Cable type B - CP35/No connector



Features

- For connection to electronic locking elements

Length mm	Cat. No.
2,000	912.09.589
8,000	912.09.590

Ⓔ Cable type C – 3-pin No connector/No connector



Features

- For connection to electronic locking elements such as motor lock or electric door opener (optional)

Length mm	Cat. No.
2,000	912.09.592
4,000	912.09.594

Ⓕ Power supply 12 V with standby battery



Technical data

- Input voltage: 190–265 V AC/50–60Hz
- Output voltage: 12 V DC (15% tolerance)
- Max. output current: 3 A
- Standby battery: 12 V/7Ah
- Output short-circuit protection
- Output current-limiting and over-voltage protection
- Standby battery voltage shutdown below 10.8 V DC

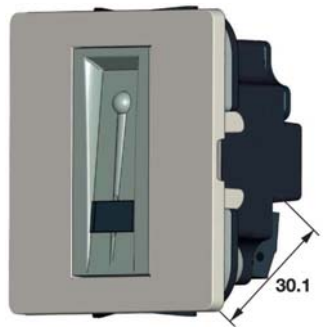
Box dimension (W x H x D) mm	Cat. No.
163 x 203 x 74	912.05.034

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

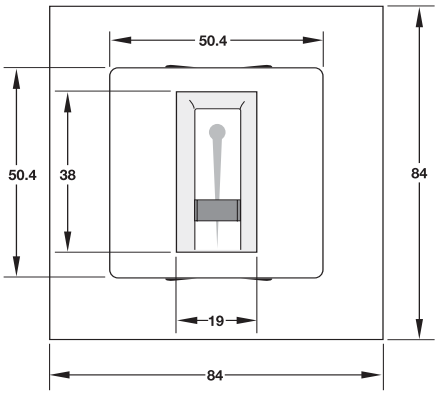
Biometric fingerprint scanner outlet E WT 900 Dialock

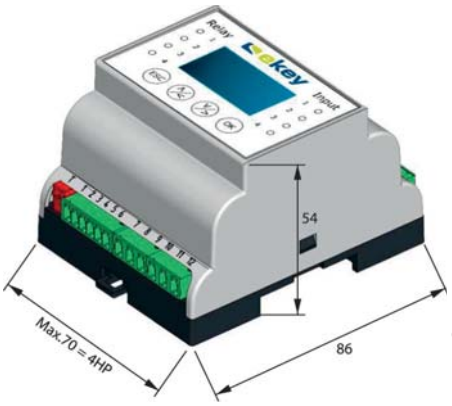






Finger scanner





Control panel

Note

Recommended finger scanner mounting height from ground to scanner lower edge at least 1,550 mm

Features

- Suitable to install finger scanner on both, door panel and wall by recess mounting
- Compatible with switch range
- With 1 output, dry contact up to 42V 2A for door lock
- Standalone version – no software and computer necessary
- Convenient and secure – no keys, passwords or cards which could be forgotten, get stolen or lost necessary
- Power supply: 8–24 V AC or 8–30 V DC
- Protection grade: Finger scanner IP31, control panel IP20

Supplied with

1 Finger scanner with white center frame and blue-grey glass frame
1 Control panel
1 Installation and operating instruction

Features	Cat. No.
Stores 99 fingerprints, for indoor use	912.10.602

Order refernce

Please order flush box, door lock and power supply suitable for door lock seperately.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

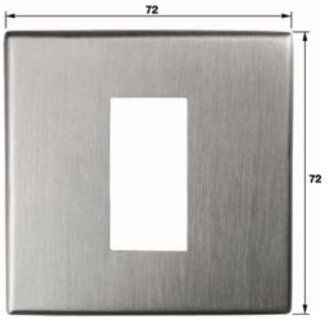
Biometric finger print scanner outlet I WT 900 Dialock







Finger scanner



Material thickness 6.5 mm

Features

- Suitable to install finger scanner on both, door panel and wall by recess mounting
- With 1 output, dry contact up to 42V 2A for door lock
- Standalone version – no software and computer necessary
- Convenient and secure – no keys, passwords or cards which could be forgotten, get stolen or lost necessary
- Power supply: 8–24 VAC or 8–30 VDC
- Protection grade: Finger scanner IP64, control panel IP20

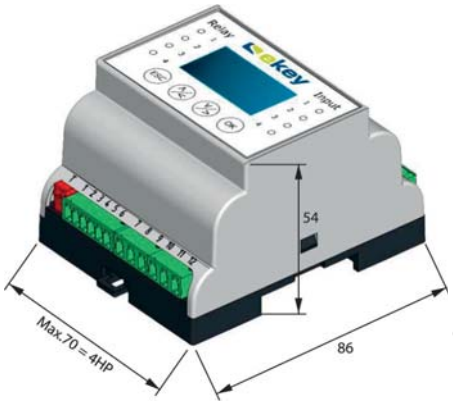
Supplied with

1 Finger scanner with stainless steel frame
1 Control panel
1 Installation and operating instruction

Features	Cat. No.
Stores 99 fingerprints, for indoor and outdoor use	912.10.603

Order refernce

Please order flush box, door lock and power supply suitable for door lock seperately.



Control panel

Note

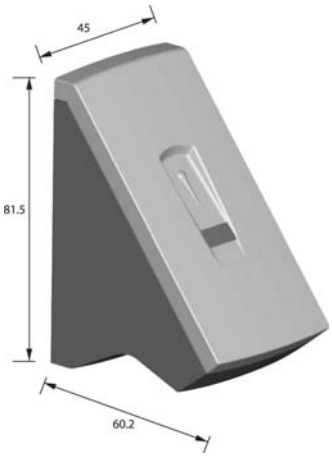
Recommended finger scanner mounting height from ground to scanner lower edge at least 1,550 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

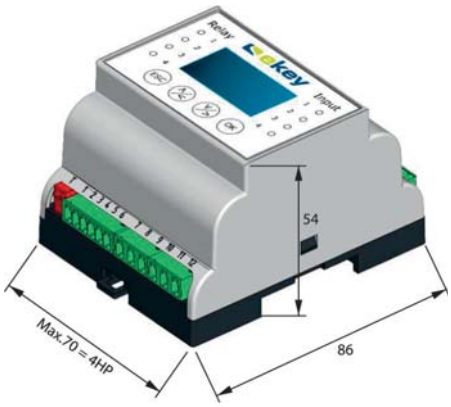
Biometric finger print scanner surface mounting WT 900 Dialock







Finger scanner



Control panel

Note

Recommended finger scanner mounting height from ground to scanner lower edge at least 1,350 mm

Features

- Suitable to install finger scanner on wall by surface mounting
- With 1output , dry contact up to 42V 2A for door lock or so on.
- Standalone version – no software and computer necessary
- Convenient and secure – no keys, passwords or cards which could be forgotten, get stolen or lost necessary
- Power supply: 8024 V AC or 8–30 V DC
- Protection grade: Finger scanner IP44, control panel IP20

Supplied with

1 Finger scanner

1 Control panel

1 Installation and operating instruction

Features	Cat. No.
Stores 99 fingerprints, for indoor use	912.10.522

Order refernce

Please order door lock and power supply suitable for door lock and ekey wall terminal seperately.

Weather shield WM

	Material/Finish	Cat.No.
	Stainless steel brushed	912.10.521

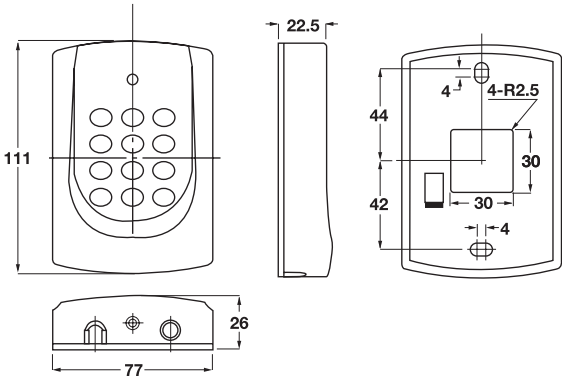
Order reference

Please order weather shield WM separately when you need a rain protection.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Wall terminal ECard





Feature

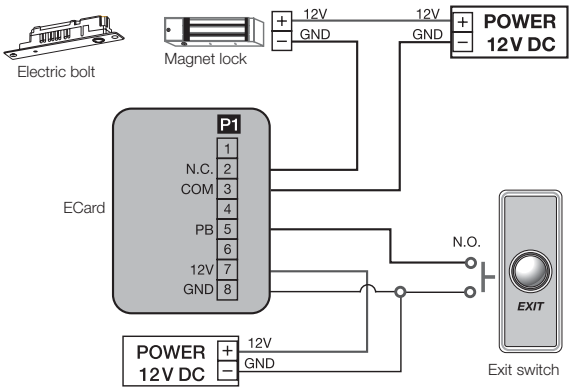
- Key cards or/and password identification:
  Up to 1,024 key cards (Mifare or EM)
  1 password (4 digits combination)
- Door open wait time adjustable
- Output: For door lock (1 relay, 2A/30VDC,NO/NC/COM) alarm
- Input: For exit switch/door sensor
- Power requirement: 9–16 V DC, max. 3 W
- Dimension (L x W x H): 111 x 77 x 26 mm
- Weight: 100 g

Material/Finish

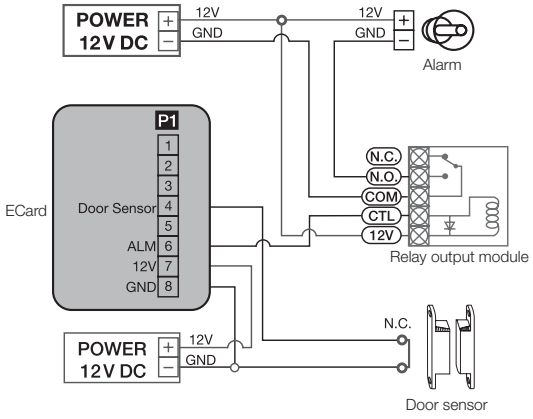
- ABS grey

Card type	Cat. No.
Mifare	912.05.050
EM	912.05.051

Wiring diagram



Using with door lock

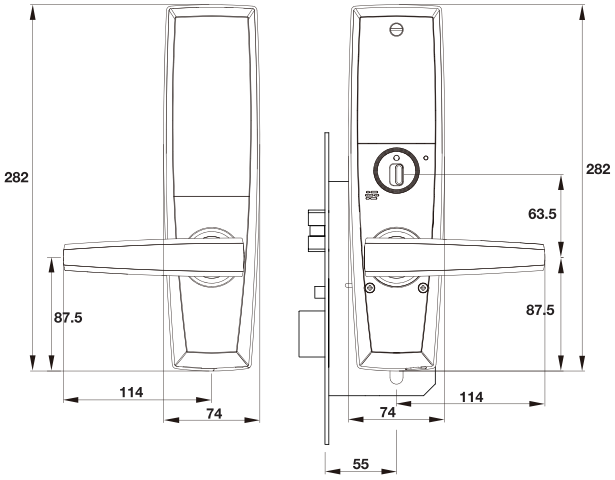


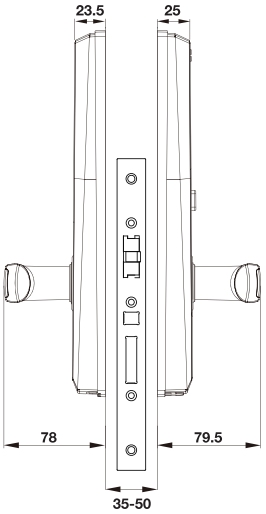
Using with door sensor

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door terminal EF680







Features

- Proximity card or password identification
  Up to 100 proximity card
  1 password (4-12 digits combination)
- English voice guide with volum control
- Digital touch pad design
- Break-in and damage alarm
- Automatic lock
- Anti-panic system on exit
- Free access or privacy mode selectable
- Wrong-try lock out delay
- External 9 V battery terminal for emergency use
- Emergency key override and low battery power alert
- Battery lifetime: Approx. 1 year (10 times usage per day)
- Suitable for DIN left and right hand
- For door thickness: 35–50 mm

Supplied with

1 Front and rear module
1 Motise lock and striking plate
1 Set of fixing material
1 User manual and installation template
4 Batteries
4 Cards
3 Emergency keys

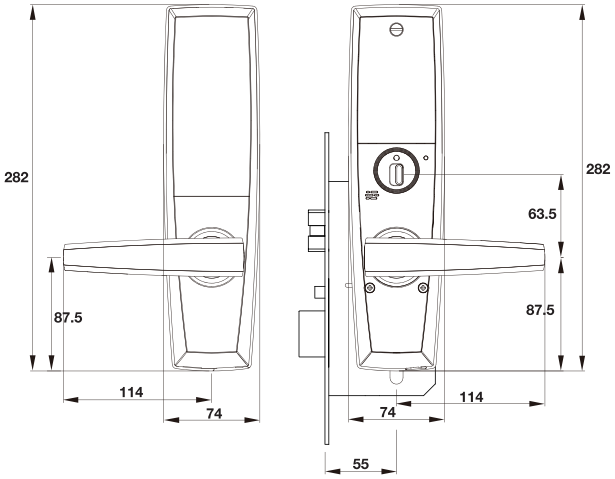
Version	Cat. No.
Black	912.05.350
White	912.05.351

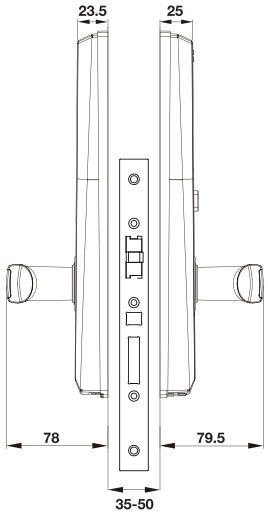
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

HÄFELE

Biometric door terminal EF780







Features

- Fingerprints or password identification:
  Up to 100 fingerprints
  1 password (4-12 digits combination)
- English voice guide with volumn control
- Digital touch pad design
- Break-in and damage alarm
- Automatic lock
- Anti-panic system on exit
- Free access or privacy mode selectable
- Wrong-try lock out delay,
- External 9 V battery terminal for emergency use
- Emergency key override and low battery power alert
- Battery lifetime: Approx. 1 year (10 times usage per day)
- Suitable for DIN left and right hand
- For door thickness: 35–50 mm

Supplied with

1 Front and rear module
1 Motise lock and striking plate
1 Set of fixing material
1 User manual and installation template
4 Batteries
3 Emergency keys

Version	Cat. No.
Black	912.09.933
White	912.09.937

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

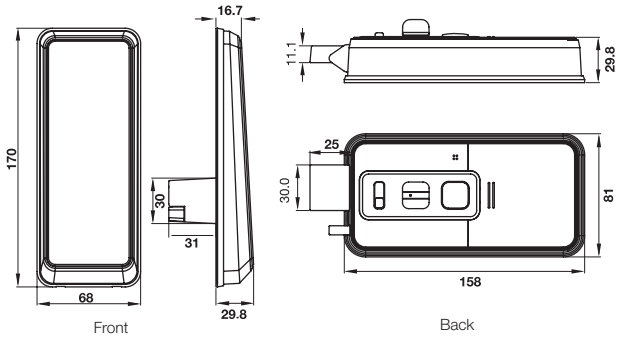
Door terminal EF180



Front



Back



Front Back

Feature

- Proximity card or password identification:
  Up to 50 proximity cards
  1 password (4-12 digits combination)
- English voice guide with volume control
- Digital touch pad design
- Break-in and damage alarm
- Automatic lock
- Free access or privacy mode selectable
- Wrong-try lock out delay,
- External 9 V battery terminal for emergency use
- Low battery power alert
- Battery lifetime: Approx. 1 year (10 times usage per day)
- Suitable for DIN left and right hand
- For door thickness: 32–60 mm

Supplied with

1 Front and rear module
1 Striking plate
1 Set of fixing material
1 User manual and installation template
4 Batteries
4 Cards

Version	Cat. No.
Black/chrome	912.09.952
White/chrome	912.09.956

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

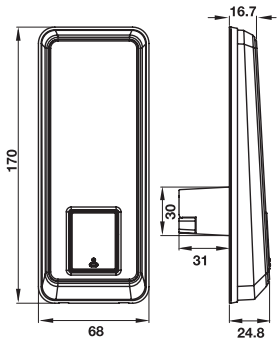
Biometric door terminal EF280



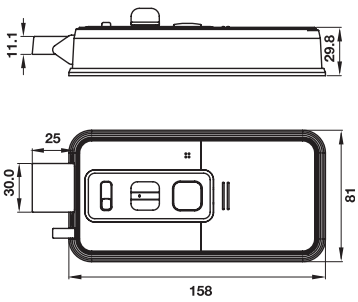
Front



Back



Front



Back

Feature

- Fingerprints or password identification:
  Up to 50 fingerprints
  1 password (4-12 digits combination)
- English voice guide with volume control
- Digital touch pad design
- Break-in and damage alarm
- Automatic lock
- Free access or privacy mode selectable
- Wrong-try lock out delay,
- External 9V battery terminal for emergency use
- Low battery power alert
- Battery lifetime: Approx. 1 year (10 times usage per day)
- Suitable for DIN left and right hand
- For door thickness: 32–60 mm

Supplied with

1 Front and rear module
1 Striking plate
1 Set of fixing material
1 User manual and installation template
4 Batteries

Version	Cat. No.
Black/Chrome	912.09.953
White/Chrome	912.09.957

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

KC Key card



Blank card



Version	Cat.No.
Blank card	917.44.037





Two-side printed card





Version	Cat.No.
Two-side printed card	917.44.020

Features

- Electronic key for Dialock:
  4 independent locking authorisations per key card (blank card),
  3 independent locking authorisations per key card (two-sided print)
- Tag-it™ ISO technology wear and tear free (contactless data transfer), maintenance free (without batteries), insensitive to external influences such as wetness, moisture, magnetic fields, mechanical vibrations, dust, reprogrammable at least 100,000 times, forgery-proof unique number
- Ambient temperature (operation): -35 to +50°C
- Min. data storage: 10 years
- Size: 54 x 85 mm (credit card format)
- Material/colour: Plastic white







Version	Cat.No.
Sample card with customer design	917.44.063







Version	Cat.No.
Key card with customer design (Min. order quantity 200 pcs.)	On request

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Key tag KT



Features

- Electronic key for Dialock as key tag:
  4 Independent locking authorisations per key tag
- Tag-it™ ISO technology, waterproofed
- Ambient temperature (operation): -35 to +50°C
- Min. data storage: 10 years
- Material: Plastic

	Colour	Cat. No.
	Red	917.44.099
	Blue	917.44.098

Key fob KT



Features

- Electronic key for Dialock as key fob
  4 Independent locking authorisations per key fob
- Tag-it™ ISO technology, wear and tear free (contactless data transfer), maintenance free (without batteries) insensitive to external influences such as wetness, moisture, magnetic fields, mechanical vibrations, dust, forgery-proof unique number
- Ambient temperature (operation): -35 to +50°C
- Min. data storage: 10 years
- Dimensions: 28 x 56 x 1.7 mm

	Colour	Cat. No.
	Grey	917.44.085
	White	917.44.087
	Green	917.44.080
	Red	917.44.081
	Orange	917.44.089

Order reference

Customized imprint available on request.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Key tag KT



Features

- Electronic key for Dialock as key tag:
  4 independent locking authorisations per key tag
- Tag-it™ ISO technology
- Solid and impact resistant polycarbonate, ultrasound welded and waterproof with stainless steel frame
- Loop can't break off anymore - unlike as other commercially available key tags.
- Optinal marking: Laser engraved numbers or text/logo possible
- Ambient temperature (operation): -35 to +50°C
- Min. data storage: 10 years
- Dimension: 36 x 7.2 mm

	Colour	Cat. No.
	White	917.44.107
	Black	917.44.103
	Light blue	917.44.105
	Red	917.44.109
	Blue	917.44.108
	Orange	917.44.101



Features

- Electronic key for Dialock as key tag:
  4 independent locking authorisations per key tag
- Tag-it™ ISO technology
- Solid and impact resistant polycarbonate, ultrasound welded and waterproof with stainless steel frame
- Ambient temperature(operation): -35 to +50°C
- Min. data storage: 10 years
- Dimension: 36 x 5.3 mm

	Colour	Cat. No.
	White	917.44.147
	Black	917.44.143
	Grey	917.44.145
	Red	917.44.149
	Blue	917.44.148
	Orange	917.44.141



Order reference

Printed text or photo/graphic available on request.
(template with min. 300 dpi is required)

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

2

Programming key card Dialock



Features

- For granting access authorisations without software and programming station
- For small projects with few Tag-it™ keys

Material	Cat. No.
Plastic	917.42.001

Clearing key card Dialock



Features

- For deleting access authorisations without software and programming station
- For small projects with few Tag-it™ keys

Material	Cat. No.
Plastic	917.42.002

Key card Mifare



Blank card



Printed card





Key card with customer design

Features

- Thickness: 0.8 mm

Version	Cat. No.
Blank card Mifare	917.80.738
Printing card Mifare	917.80.710
Sample card with customer design Mifare	917.64.063
Key card with individual customer design Mifare (Min. order quantity 200 pcs.)	On request

Key card EM



-Thickness 0.8 mm
(Width x length: 54 x 85 mm)

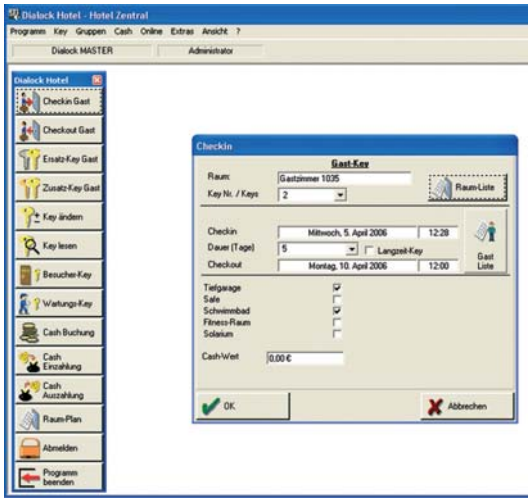


Thickness 1.8 mm
(Width x length: 54 x 85 mm)

Version	Thickness mm	Cat. No.
Blank card EM	0.8	912.05.052
	1.8	912.05.053

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Software Hotel SH+ Dialock



- System requirement: Windows 2000/XP/Vista/Win 7
  40 MB free hard disk space, CD-ROM drive, 2 x USB

Features

- For hotels, resorts, inns and guest houses
- Easy and clearly arranged administration and allocation of Dialock guest and personnel keys for hotels.
- Defining guest groups, for fast check-in/check-out of guest groups, automatic compilation of room lists.
- Defining group locking authorisations for groups with identical locking authorisations.
- Defining time zones for restriction of locking authorisations to days and times of choice.
- Automatic graphical display of locking authorisations of the actual locking plan including locking authorisations of all keys.
- Search for personnel keys and rooms with convenient search function.
- Printing search results is possible
- Language: English

	Cat. No.
Software Hotel SH+	910.52.162

Software interface universal HMS Dialock

Features

- For linking the Dialock system to hotel management systems
- Guest keys can be allocated using the application of the hotel management system.

Vesion	Cat. No.
Without restrictions	917.92.031
Up to 50 doors	917.92.034

Software online module TCP/IP Dialock

Features

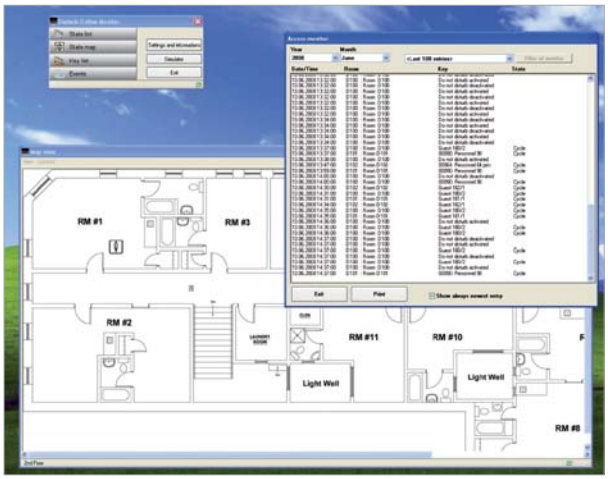
- Dialock wall terminals can be configured, controlled and monitored through one network via online set ND 100 using this module

	Cat. No.
Software online module TCP/IP	917.92.040

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

2

Online monitor software Dialock



Features

- Programme for displaying status and events

	Cat. No.
Online monitor software Dialock	917.92.041

List generator and online macros

Features

- Creation of customized lists such as door lists, alarm lists, door status lists "Please do not disturb"/"Please make up room" lists (hotel application).
- Lists are displayed on the PC screen
- Online macros activates additional functions, e.g. controlling light switches or barriers

	Cat. No.
List generator and online macros	917.92.043

Activation of an additional encoding station

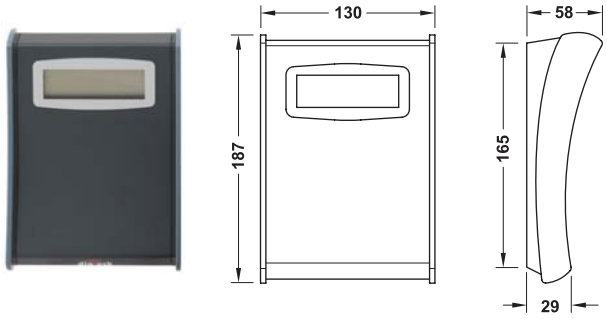
Feature

- For every additional encoding station used with interface HMS, must be activated if more than one encoding station is used

	Cat. No.
Activation of an additional encoding station	917.92.032

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Encoding station ES 100 Dialock



Features

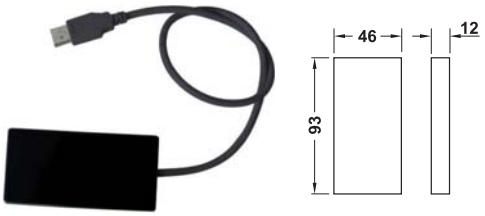
- For encoding Dialock keys in combination with Dialock software or for integration into external software (hotel management systems)
- For indoor use
- Display 4 x 20 characters
- With USB interface for connection with the computer
- Infrared interface for transferring data to the Dialock MDU 100 mobile data unit

Supplied with

1 Encoding station ES 100
1 Master key
1 USB cable A/B, 2 m

Material/Finish	Cat. No.
Housing plastic silver coloured/grey	917.42.015

Encoding station ES 100 Mini Dialock



Features

- For encoding Dialock keys in combination with Dialock software or for integration into external software (hotel management systems)
- For indoor use
- With USB interface for connection with the computer

Supplied with

1 Encoding station ES 100 Mini
1 Master key
1 USB cable, 150 mm
1 USB extension cable, 1.80 m

Material/Finish	Cat. No. รหัสสินค้า
Housing plastic black	917.42.017

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

HÄFELE

Mobile data unit MDU 100 Dialock



Features

- Fast and convenient configuration and integration of the individual components into the Dialock locking system
- Transfer of all data and settings which were set with the Dialock software
- Polling access logs at the terminal
- Infrared and wired interface for communication between MDU and components
- Menu: English and German
- Voltage supply: Accu batteries with USB charging cable
- Weight incl. accu batteries: approx. 500 g
- Display: 128 x 64 pixels
- Data transfer in combination with software and encoding station

Supplied with

- 1 Mobile data unit MDU 100
- 1 Transponder(as card)
- 1 USB cable 1.5 m for connection between MDU 100 and PC

	Cat. No.
Mobile data unit MDU 100	917.42.141

Programming cable for MDU 100

Feature

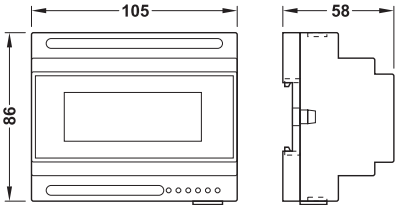
- Cable for connection between MDU 100 and terminals

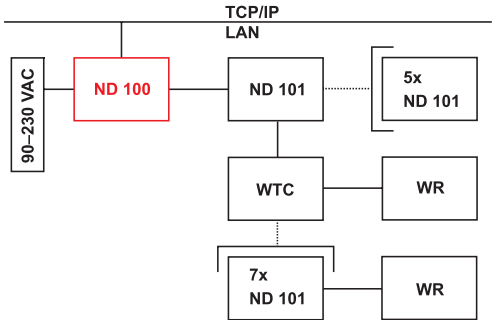
Version		Cat. No.
	Programming cable for LockerLock LL 100	917.90.265
	Programming cable for FT 120	917.90.267

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Online adapter ND 100 Dialock







Example of calculation

Network of wall terminal WT 30 sets are required:

1 Online adapter ND 100

4 Online extensions ND 101

30 Wall terminals WT

(consisting of readers WR and electronic control unit WT)

Protection class		IP20
Ambient temperature (operation)		-20 – +65°C
Power supply V DC		10–28
Max. current input mA		150
Connection	RS 232	Screw terminals 2.5 mm²
	TCP/IP	CAT 5 cable with RJ 45, length up to 100 m
	RS 485 and TTL	Not useable
Relative humidity (non-condensating)		0–95%
Mounting		On DIN rail EN 50022

Features

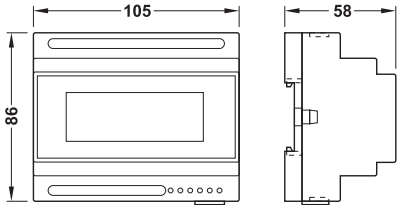
- For networking several wall terminal sets over TCP/IP with PC and Encoding station ES for central controllable and efficient online access control system, configuration of all connected wall terminals WT
- Update the access permissions of Dialock keys without time delay
- Reading the event logs (logging all access attempts and closing operations)
- Installation and troubleshooting of the online system via web browser
- Integration of branches or offices, remote over WAN or LAN connection in conjunction with Online module TCP / IP software
- Combination with online extension ND 101 only
- Central operation with Software Hotel SH+ and Online module TCP/IP software additionally

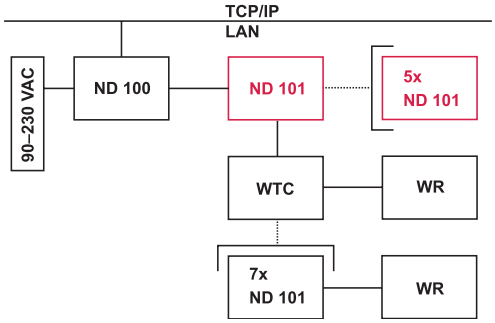
	Cat. No.
Online adapter ND 100	910.51.132

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Online extension ND 101 Dialock







Example of calculation

Network of wall terminal WT 30 sets are required:

1 Online adapter ND 100

4 Online extensions ND 101

30 Wall terminals WT

(consisting of readers WR and electronic control unit WT)

Protection class		IP20
Ambient temperature (operation)		-20 – +65°C
Power supply V DC		10–28
Max. current input mA		150
Connection	8 x RS 232	Screw terminals 2.5 mm², for electronic contol unit
	2 x RS 232	Screw terminals 2.5 mm², for online adapter ND 100 and online extension ND 101
Relative humidity (non-condensating)		0–95%
Mounting		On DIN rail EN 50022

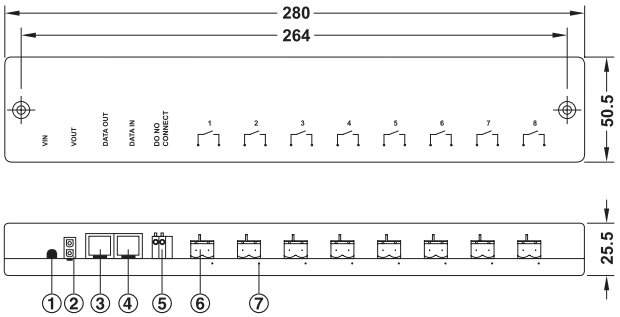
Features

- For networking several wall terminal sets over TCP/IP with PC and encoding station ES for central controllable and efficient online access control system, configuration of all connected wall terminals WT
- Update the access permissions of Dialock keys without time delay
- Reading the event logs (logging all access attempts and closing operations)
- Installation and troubleshooting of the online system via web browser
- Integration of branches or offices, remote over WAN or LAN connection in conjunction with online module TCP/IP software
- Combination with online extension ND 101 only
- Central operation with Software Hotel SH+ and online module TCP/IP software additionally

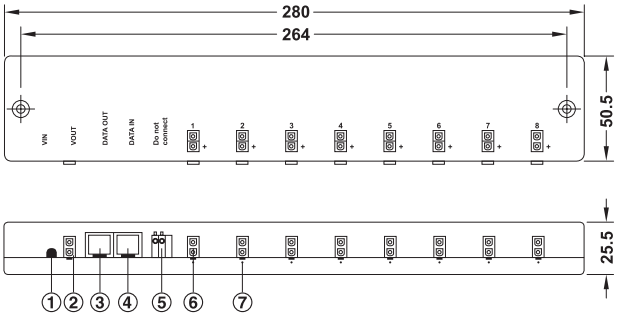
	Cat. No.
Online extension ND 101	910.51.135

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Electronic output extender OE 200 Dialock



Output extender with 8 relay output ports



Output extender with 8 open collector output ports

Features

- For PO box systems, central pharmacy systems, lift controls
- 1 Electronic output extender OE 200 controls max. 8 electrical devices independently
- 128 electrical devices controlls independently by connection max. 16 electronic output extenders OE 200
- Voltage supply: 9.6–14.4 V DC
- Rate of output: 24 V DC max. 1 A/125 V AC max. 500 mA (with 8 relay output ports) 12 V DC max. 500 mA per output port and max. 1,000 mA total (with 8 open collector output ports)
- Material: Plastic housing
- Colour: Housing light grey, power and data cable black

Supplied with

1 Electronic output extender OE 200 with main lead 500 mm
1 Data cable 500 mm
8 MSTB plugs 2.5/2-ST (only for 910.51.086)

Version	Cat. No.
Output extender OE 200 with 8 relay output ports	910.51.086
Output extender OE 200 with 8 open collector output ports	910.51.087

(1) V_{in} (power supply)

(2) V_{out} (output voltage)

(3) $Data_{out}$ (to OE 200)

(4) $Data_{in}$ (from Terminals)

(5) Do not connect

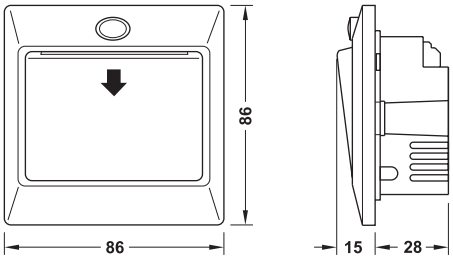
(6) For the output extender OE 200 with 8 relay output ports:
MSTB connector 1-8 (to relay)
No output (normally open)
For the output extender OE 200 with 8 open collector output ports:
AMP connector 1-8 (to EFL)

(7) ED 1-8 (indicator light)

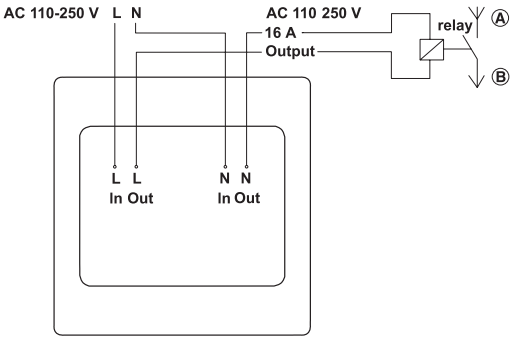
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Energy control terminal





Circuit diagram



Ⓐ Power supply

Ⓑ Electrical load

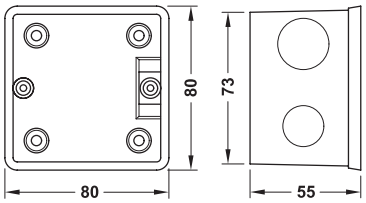
Features

- For indoor use:
  Particularly suitable for use in hotels to activate electrical loads in guest rooms such as lighting, TV, sockets, air conditioning
- Activation as long as a transponder card is inserted in the hold of the energy control terminal
- Deactivation after a key card is taken out 15 seconds
- With red LED
- Output current: 30 A max. 110/220 V AC 50/60 Hz, (16 A max. if electrical load consists of induction load)
- Max. total power consumption: 6,600 W
- Max. internal power consumption: 0.2 W
- Service life: Min. 100,000 opening cycles
- Operating temperature: -10 – +60°C
- Plastic housing

Technology/types of key card	Colour	Cat. No.
Tag-it™ ISO Dialock	White	917.41.082
	Silver coloured	917.41.083
Mifare	White	917.61.082
	Silver coloured	917.61.083

Flush mounted box for energy control terminal

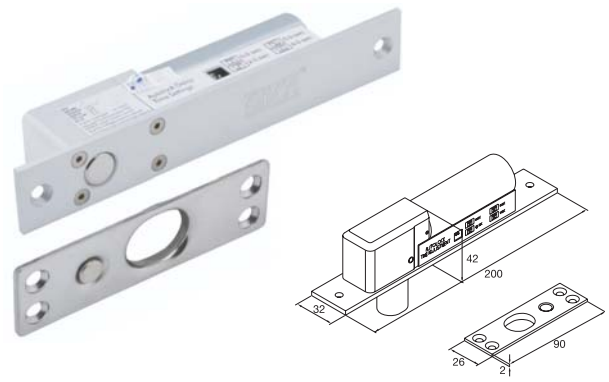




Material/Colour	Cat. No.
Plastic white	917.91.001

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Electronic drop bolt



Features

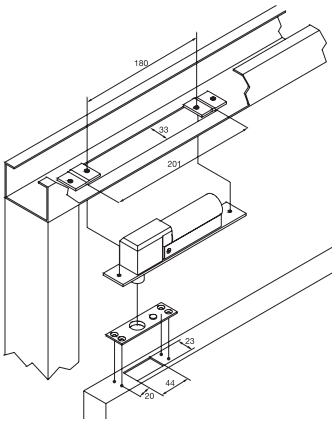
- Adjustable delay time 0, 2.5, 5, 9 seconds
- Fail-safe (fail-unlocked)
- Door position mornitor (N.O. and N.C.)
- Power voltage: 12 V DC
- Operation current: 900 mA
- Holding current: 360 mA
- Stainless steel

Version	Cat. No.
For single/double swing direction	912.05.031

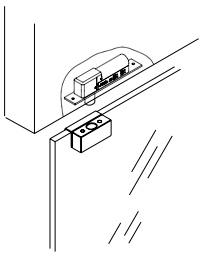
Order reference

Please order bracket for glass door separately

Installation



Wooden and aluminium door



Glass door

Glass bracket



Feature

- Without glass cutting (rubber/steel plate for strong holding)
- Dimension: 90 x 27 x 40 mm
- Weight: 300 g

For glass panel, glass thickness mm	Cat. No.
9–12	912.05.039

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Electromagnetic lock

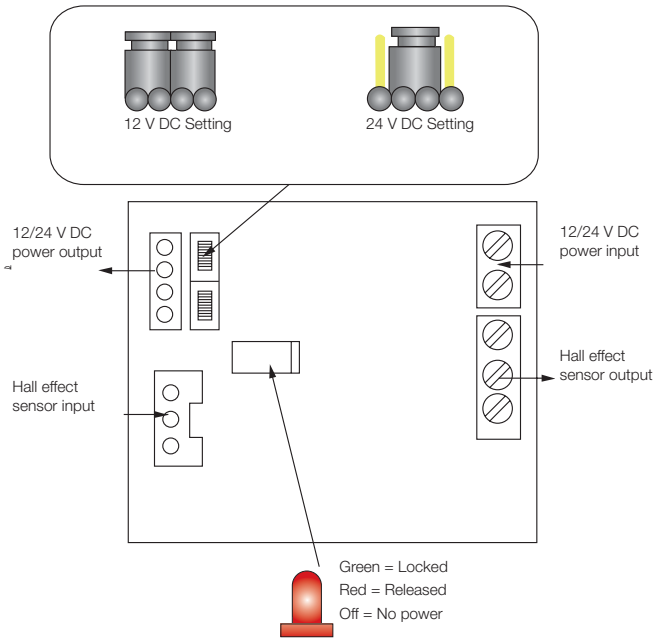


Features

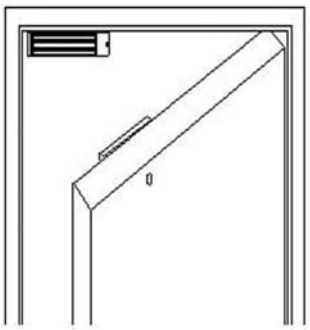
- Holding force: 600 lbs (227 kg)
- Dual voltage selectable: 12 V DC or 24 V DC
- Current draw: 12 V DC/500 mA or 24 V DC/250 mA
- Dim. magnet (L x W x T): 250 x 42 x 25 mm
- Dim. armature plate (L x W x T): 180 x 38 x 11 mm
- Green/red LED indication for lock status
- Full range of optional brackets
- Material: Magnet casting aluminium anodized, armature plate steel

Version	Cat. No.
Electromagnetic lock	912.05.035
Electromagnetic lock with LZ bracket	912.05.041

Voltage selection method

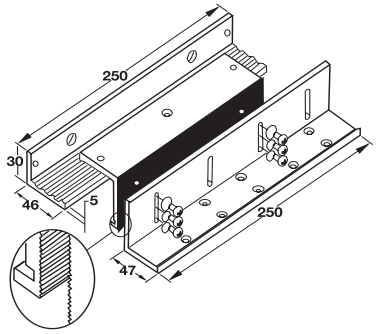
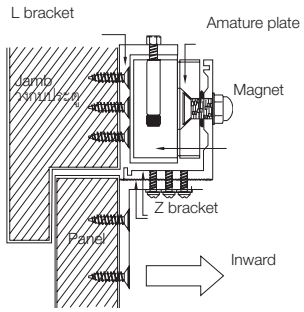
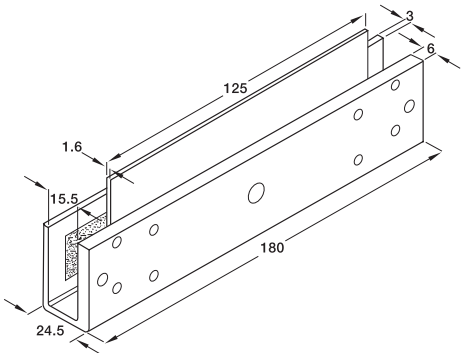
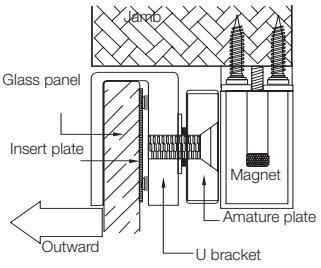
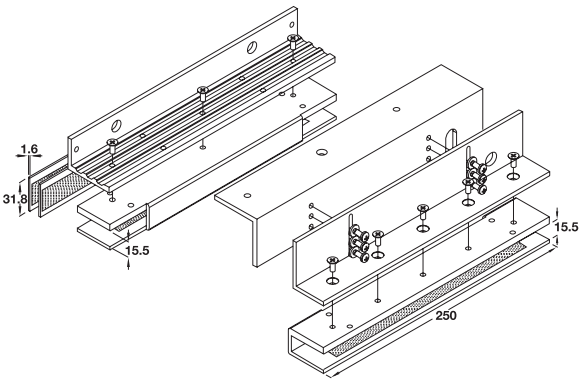
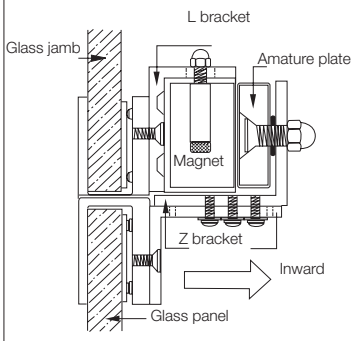


Installation



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Bracket for electronmagnetic lock Cat. No. 912.05.035

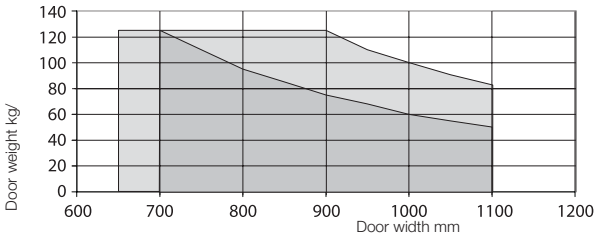
Bracket	Dimension	Installation
LZ bracket 		
U bracket 		
DSU bracket 		

Version		Door type		Opening direction	Cat. No.
		Panel	Jamb		
	LZ bracket, aluminium	Wood/aluminium	Wood/aluminium	Inward opening	912.05.036
	U bracket, aluminium	Glass	Wood/aluminium	Outward opening	912.05.037
	DSU bracket, aluminium	Glass	Glass	Inward opening	912.05.038

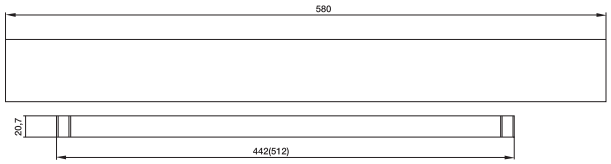
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

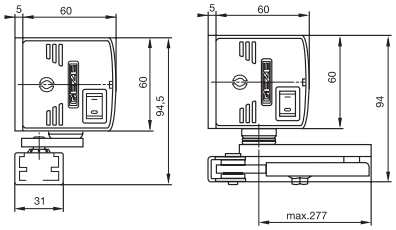
Electric door operator ECturn GEZE





Use in low energy mode/
Use in automatic mode/





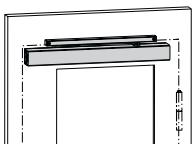
Features

- Able to select operation modes “low energy”, “automatic” and “automatic with push and go function”
- Durability 500,000 test cycles
- Accordance with DIN 18650
- In automatic mode operation can be adjustable
- Fully open door position adjustable

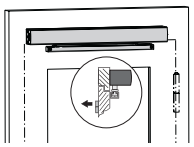
Technical data

Power supply	110–230 V
Power consumption	75 W
Protection class	IP20
Hold open time (adj.)	0–30 sec.
Opening/closing speed (adj.)	9–90°/sec.

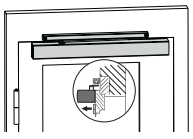
Sliding channel application



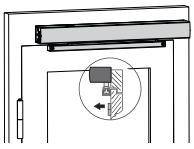
Standard installation/push side
• Max. soffit depth SD = 20 mm



Transom fixing/push side
• Max. soffit depth SD = 30 mm

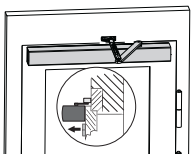


Standard installation/pull side
• Max. door overlap O = 50 mm

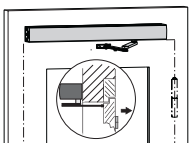


Transom fixing/pull side
• Max. soffit depth SD = 40 mm
• Max. door overlap O = 40 mm

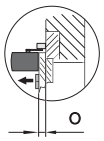
Standard arm application



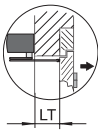
Standard fixing/pull side
• Max. door overlap O = 100 mm



Transom fixing/push side
• Max. soffit depth SD =100 mm



O: Door overlap



SD: Soffit depth

Version	Installation	Cat. No.
ECturn with standard arm	Push and pull side	935.01.165
ECturn with sliding channel	Pull side	935.01.166
	Push side	935.01.167

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Power supply 12V with standby battery

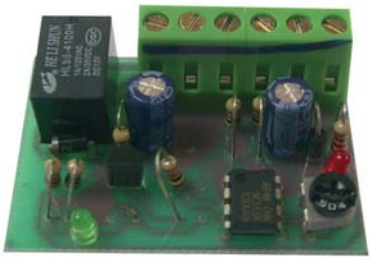


Technical data

- Input voltage: 190–265 V AC/50–60Hz
- Output voltage: 12 V DC (15% tolerance)
- Max. output current: 3 A
- Standby battery: 12 V/7Ah
- Output short-circuit protection
- Output current-limiting and over-voltage protection
- Standby battery voltage shutdown below 10.8 V DC

Box dimension (W x H x D) mm	Cat. No.
163 x 203 x 74	912.05.034

Relay lock with delay function

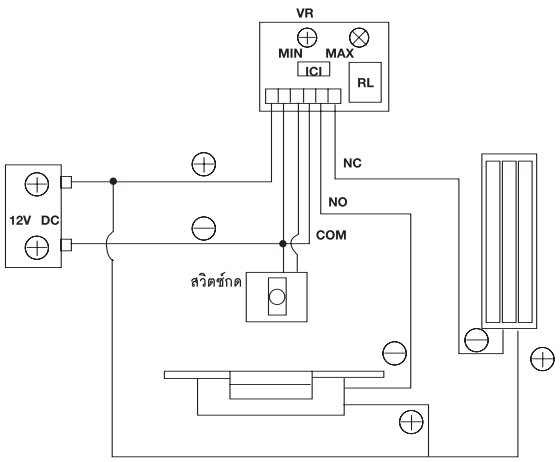


Technical data

- Supply voltage: 10–16 V DC
- Current Consumption: 40 mA per each triggered relay 12V DC
- Load: 1.5 A/28 V AC/DC
- Input resistance: 15 Ohm
- Triggering level: HIGH min. 5 V
- Triggering level: LOW max. 4 V
- Operating temperature: -25 – +60°C
- Relative humidity: 10–95% (without condensation)
- Weight: 46 g

Dimension mm	Cat. No.
81 x 60	912.05.033

Wiring diagram for electronic locking devices



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

2

Slim push switch

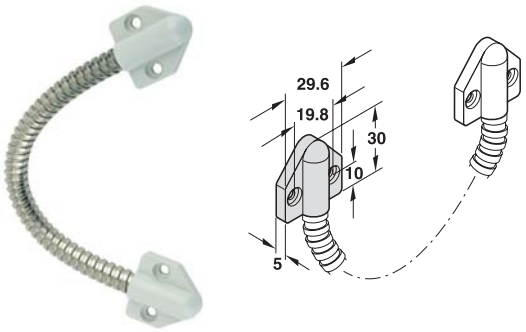


Features

• Dimension (W x L x H): 23 x 77 x 20 mm

Material/Colour	Cat. No.
Plastic white	912.05.054

Cable transition model 10318

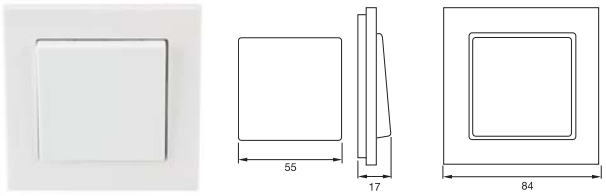


Features

• For power supply from door frame to door panel
• For flexible cable diameter: Up to 7 mm through
• Installation: Visible
• Max. length fexible hose (rust-proof metal): 180 mm

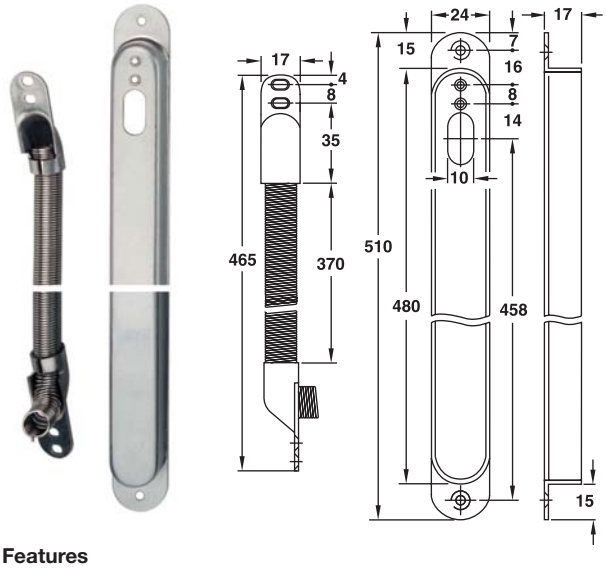
Material/Colour	Cat. No.
Plastic light grey	912.02.095

Square push switch



Material/Colour	Cat. No.
ABS white	985.55.003

Cable transition model KUE 480



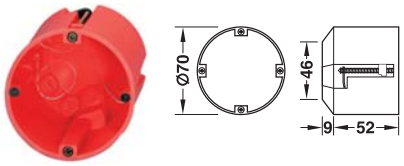
Features

• For power supply from door frame to door panel
• For flexible cable diameter: Up to 8 mm through
• Installation: Concealed
• Opening angle: Up to 180°

Material/Finish	Cat. No.
Stainless steel matt	912.02.010

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Reader box

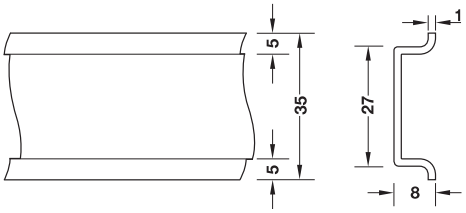


Features

- For drill hole diameter: 68 mm
- For plate thickness: 7–35 mm

Material/Colour	Cat. No.
Plastic orange	917.91.012

Hat rail

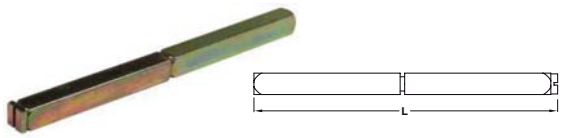


Features

- Standard: In compliance with EN 50 022
- Length: 2,000 mm

Material/Finish	Cat. No.
Steel yellow chromatized	917.91.024

Spindle 8 mm, split in center

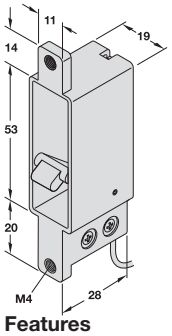


Length L mm	Cat. No.
100	909.00.270
118	909.83.711

Note

Not suitable for anti-panic doors in compliance with EN179:2008-04.
Cat.No. 909.00.270 not usable with mortise lock with split follower.

Bolt switching contact 875-10



Features

- Switches when the lock bolt is extending
- Version: Change-over contact, waterproof
- Installation: With M 4 screws, installation behind existing striking plate, min. dimension for bolt throw = response distance of bolt switching contact + air gap.
- Max. contact voltage: 25 V
- Max. switching current: 1.5 A
- Connecting cable length: 4 m
- Max. contact travel: 18 mm
- Response distance: Approx. 4 mm

Material/Finish	Cat. No.
Housing zinc alloy	912.02.093

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

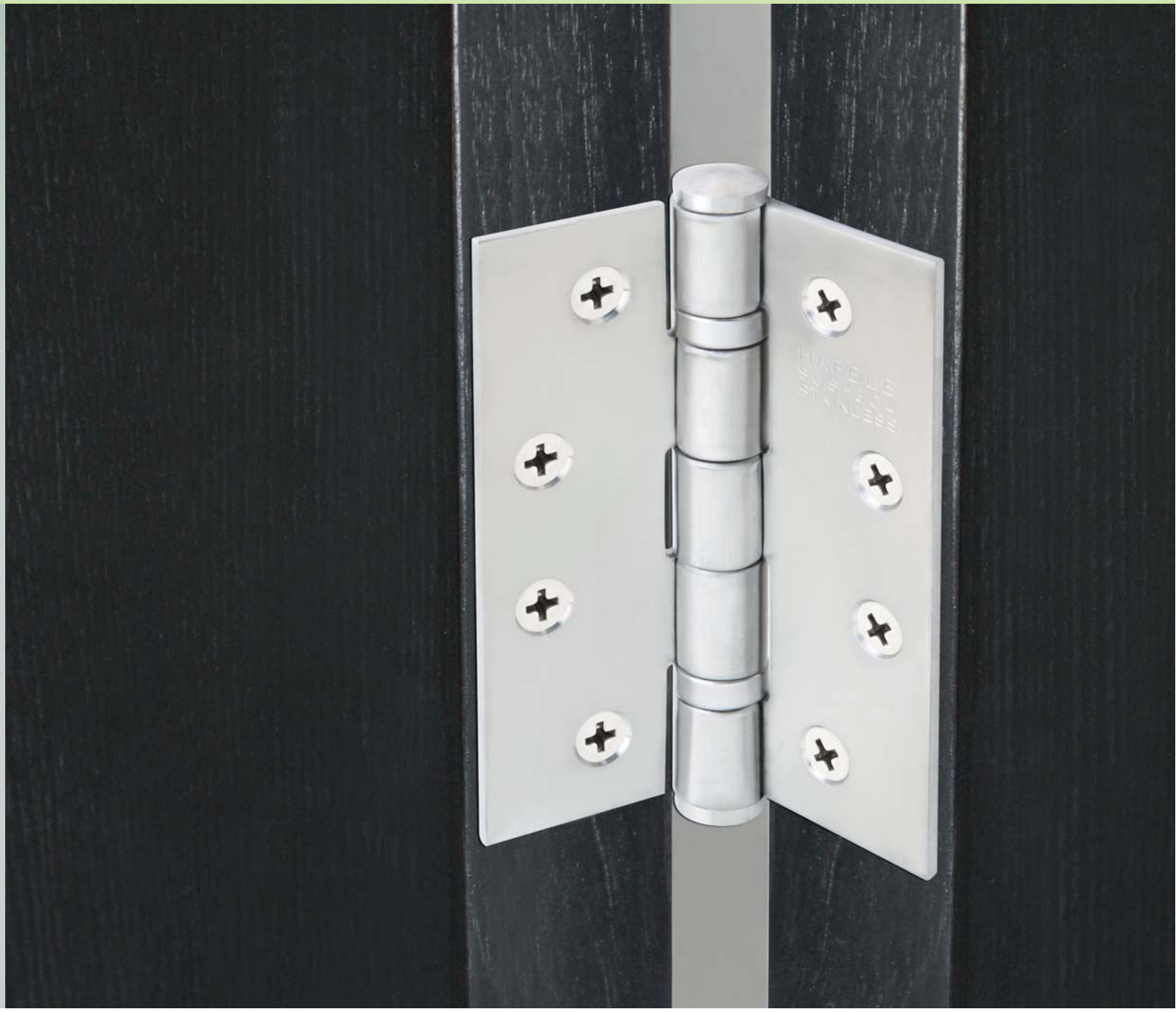
3 Door Hinges

















Butt hinges





Lift-off hinge 3.10

Rising hinge 3.11

Standard hinge 3.12, 3.16

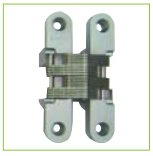
Heavy duty hinge 3.15, 3.22

Parliament hinge 3.18

Spring hinge 3.19

Double action spring hinge 3.24

Concealed hinges


Concealed mortise hinge 3.25, 3.27

Pivot door hinge 3.26

Concealed mortise hinge TECTUS 3.36

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Drill-in hinges





Drill-in hinge 3.38, 3.42

Screw-on pocket 3.40

Accessories for drill-in hinges 3.41

Decorative sleeve 3.44

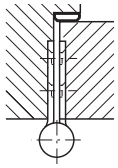
Mounting aids for drill-in hinges 3.45

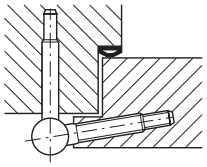
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

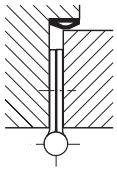
Hinge groups

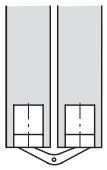
The hinges in this catalogue are divided into the following groups:

- Butt Hinges - are not installed in the door frame or door panel, but screwed onto the door construction and frame construction.
- Drill-in hinges - includes all door hinges where components are drilled into door panels and door frames like screws.
- Continuous hinges - are screwed onto door and frame constructions and range from bottom to top of the door.
- Concealed hinges - are mounted in such way that they are not visible from outside when the door is closed.


Butt hinge

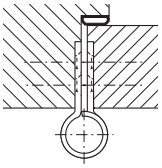

Drill-in hinge

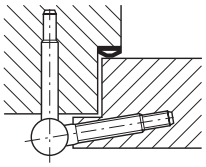

Continuous hinge
(Pianohinge)


Concealed hinge

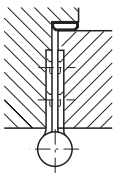
Installation versions

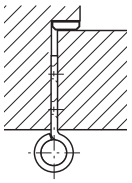
A flush door is a door which frame and door panel are in one line.
A door which door panel has a rebate going over the frame is a rebated door.


Flush door


Rebated door

A mortise hinge is a hinge which winges are mortised into frame and panel.
A hinge which winges are screwed to the surface of frame and panel is a non-mortise hinge.

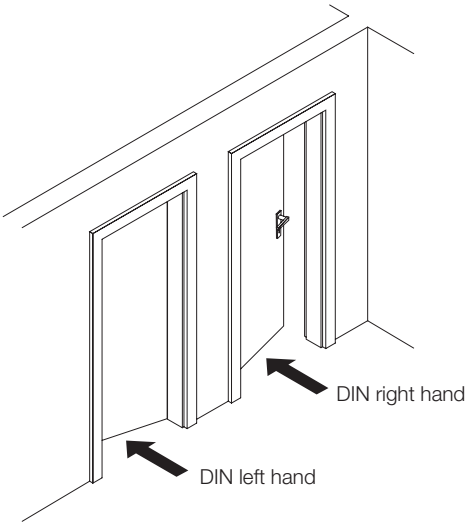

Mortise hinge

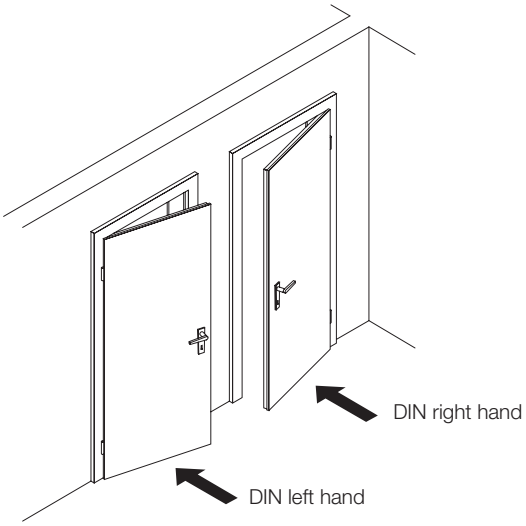

Non-mortise hinge

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door direction

Depending of the pivot direction of a door, a door is classified as a left and right hand door. The door direction or side definition according to the german standard DIN 107. Please beware that this standard is different as the ANSI definition for left hand and right hand.
Visible position of the door hinges on the left = DIN left
Visible position of the door hinges on the right = DIN right
Furthermore, common definitions derive from the access direction.





Hinge position recommendation

In the EN standard for hinges (EN 1935:2002) is not specified where a hinge has to be fixed exactly. The recommendation shown below is only a guide and should be proved always against the door specifications.
Figure 1 – Use for medium weight doors. The benefit of this solution is that door will be held straight and wont warped.
Figure 2 – Use for higher weight doors. This alternative is recommended when door closing device is fixed on the door.
Figure 3 – Use for door height over 2,100 mm. This solution is for constructions with a high risk of door warping.
Figure 4 – Use for door height over 2,100 mm. This version is especially recommended when door closers are fitted on the door.

Doors up to 2,100 mm height (3 hinges)

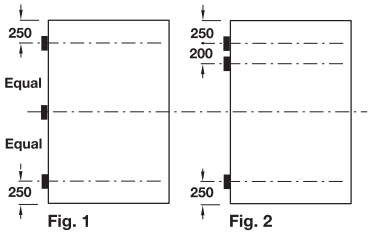


Fig. 1

Fig. 2

Doors over 2,100 mm height (4 hinges)

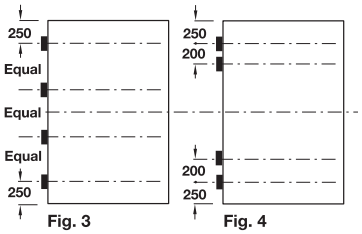


Fig. 3

Fig. 4

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Standards relevant to the architectural hardware industry

EN 1935: 2002 - Building hardware - single axis hinges

This standard provides details on product types, classification by use, test cycles, door mass corrosion resistance, as well as definitions, product performance requirements, test apparatus, test methods and marking of products. In addition, the published standard includes annexes with details of special needs.

Scope

This European Standard specifies requirements for single-axis hinges for windows and doors opening only in one direction whose rotation axis is no more than 30 mm from the face of the sash or door. It covers both fixed pin and lift-off hinges.

Classification

This european standard classifies single -axis hinges using an 8 digit coding system. It is intended that this classification system will apply to all building hardware product standards so that complementary items of hardware can be specified to, for instance, a common level of corrosion resistance, category of use, etc. Each digit refers to a particular feature of the product measured against the standard's performance requirements.

Digit 1 - Category of use



Four categories of duty are identified:
Category 1: Light duty
Category 2: Medium duty
Category 3: Heavy duty
Category 4: Severe duty

Digit 2 - Durability



Three grades of durability for single-axis hinges are identified:
Grade 3: 10,000 test cycles, for light duty hinges on windows.
Grade 4: 25,000 test cycles, for light duty hinges on windows and doors.
Grade 7: 200,000 test cycles, for medium, heavy and severe duty hinges on doors only.

Digit 3 - Test door mass



Eight door mass grades related to single-axis hinges are identified as shown in the following table.

Test door mass grade	0	1	2	3	4	5	6	7
Door mass	10 kg	20 kg	40 kg	60 kg	80 kg	100 kg	120 kg	160 kg

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Digit 4 - Suitability for fire/smoke door use



Two grades of suitability are identified:
Grade 0: Not suitable for fire/smoke resistant door assemblies.
Grade 1: Suitable for use on fire/smoke resistant door assemblies subject to satisfactory assessment of the contribution of the single-axis hinge to the fire resistance of special fire/smoke door assemblies. Such assessment is out side the scope of this European standard (See EN 1634-1)

Digit 5 - Safety



Single-axis hinges are required to satisfy the essential requirements of safety in use. Therefore, only Grade 1 is identified.

Digit 6 - Corrosion resistance



Five grade of corrosion resistance are identified in accordance with EN 1670
Grade 0: No defined corrosion resistance.
Grade 1: Mild resistance.
Grade 2: Moderate resistance.
Grade 3: High resistance.
Grade 4: Very high resistance.

Digit 7 - Security - Burglar resistance



Two grades of security are identified:
Grade 0: Not suitable to use with burglar-resistant door assemblies
Grade 1: Suitable to use with burglar resistant door assemblies, subject to satisfactory assessment for contribution of hinges of the burglar-resistance of specified burglar-resistant door assemblies

Digit 8 - Hinge grade



Fourteen grades are identified in this standard and are detailed in the following table.
The full classification is shown in the standard.

Hinge grade	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Window/ Door	Win	Win	Win/Dr	Dr	Win	Win/Dr	Dr	Win	Win/Dr	Dr	Dr	Dr	Dr	Dr
Test cycles	10,000	10,000	25,000	200,000	10,000	25,000	200,000	10,000	25,000	200,000	200,000	200,000	200,000	200,000
Door mass	10 kg	20 kg	20 kg	20 kg	40 kg	40 kg	40 kg	60 kg	60 kg	60 kg	80 kg	100 kg	120 kg	160 kg

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Example

The following marking denotes a single-axis hinge for use in medium duty situations, tested to 200,000 cycles, for use on doors with a mass up to 60 kg, with stated fire door suitability, high corrosion resistance, suitable for burglar-resistant doors, and a hinge grading of 10.

Classification code :2:7:3:1:1:1:1:10:

Code shown using DHF graphic icons

EN 1935



3

Adjusting the door weight

Normally, three hinges are fitted to each door. Their positions are determined by the weight of the door and its resistance to warping or whipping. Hinge specification is also determined by the adjusted door weight (based on the actual weight supplied by the manufacturer). The factors by which the door mass has to be adjusted for excessive widths of door are calculated by dividing the door height by its width. For a factor of 2 or greater, no allowance has to be made. When the factor is less than 2, the door mass has to be increased by the value required to bring the factor to 2 expressed as a percentage. These percentages are shown in the side loading calculations table shown right

Side loading calculations

Door size		Factor	Normal increase of Door height mass of door leaf %
Door height mm	Door width mm		
2,000	1,000	2.00	0
	1,050	1.90	10
	1,100	1.82	18
	1,150	1.74	26
	1,200	1.66	33
	1,250	1.60	40

Adjusted door weight calculation table

Doors of excess width, please refer to side loading calculation table		
Actual door weight	Door closer + 20%	= Adjusted door weight
	Door closer (Backcheck) + 75%	
	Extra heavy use + 10%	
	Light use - 10%	

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Additional tables to aid understanding of EN 1935 2002

Digit 8 - hinge grade, regarding information on door mass and test cycles:

Table B shows the mass range of typical doors

Door type	Size mm	Mass kg	Duty
Cupboard, wardrobe, cabinet,louvered doors and shutters	2,040 x 626 x 40	3.0–10.0	Light
Light internal large wardrobe and large louvered doors	2,040 x 926 x 40	10.0–17.5	Light
Medium internal doors	2,040 x 1,012 x 40	17.5–25.0	Medium
Heavy internal doors	2,040 x 1,012 x 40	25.0–37.5	Medium
Heavy internal doors	2,040 x 1,012 x 40	40.0–60.0	Heavy
Oversize or special external doors	2,040 x 1,200 x 40	55.0–110.0	Heavy

Table C gives estimated number of operations of typical doors and use. Failure to assess the likely frequency of operation of a door could lead to thespecification of inadequate hinges and subsequent problems.

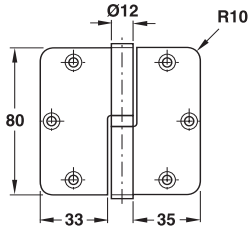
Door type	Cycles/ day	Cycles/ annum
High use/high duty situations:		
Large department store entrance	5,000	1,500,000
Large office building entrance	4,000	920,000
Cinema or theatre entrance	1,300	455,000
School entrance	1,250	225,000
Entrance door to school toilets	1,250	225,000
City centre shop entrance	1,000	300,000
Large city bank entrance	1,000	250,000
School corridor fire door	600	108,000
Town bank entrance	500	150,000
City centre restaurant entrance	500	150,000
Large office corridor fire door	450	104,000
Town centre shop entrance	400	120,000
Large office or factory toilet entrance	400	92,000
Hospital ward door	350	128,000

Door type	Cycles/ day	Cycles/ annum
Medium use/medium duty situations:		
School classroom door	80	15,000
Office door	75	18,000
Store toilet door	60	18,000
Dwelling front entrance	12	4,400
Dwelling rear or side door	15	5,400

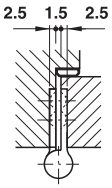
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lift-off hinge StarTec





DIN left



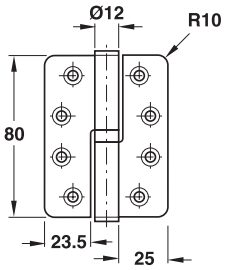
Features
- For timber frames
- For flush doors
- With fixed pin and washer with ball bearings
- Door removable

Technical data
- Max. door weight with 3 hinges: 48 kg
- Knuckle: Ø12 mm
- Pin: Ø7 mm
- Material thickness: 2.5 mm

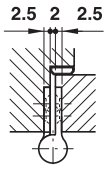
Material/finish	DIN left	DIN right
Stainless steel matt (304)	926.20.303	926.20.203

Packing: 2 pcs. incl. fixing material





DIN left



Features
- For timber frames
- For flush doors
- With fixed pin and washer with ball bearings
- Door removable

Technical data
- Max. door weight with 3 hinges: 40 kg
- Knuckle: Ø12 mm
- Pin: Ø7 mm
- Material thickness: 2.5 mm

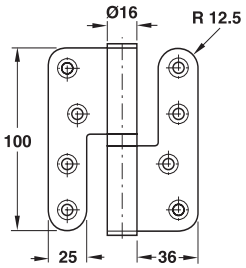
Material/finish	DIN left	DIN right
Stainless steel matt (304)	926.20.503	926.20.403

Packing: 2 pcs. incl. fixing material

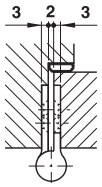
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lift-off hinge StarTec





DIN left



Features
- For timber frames
- For flush doors
- With fixed pin and washer with ball bearings
- Door removable

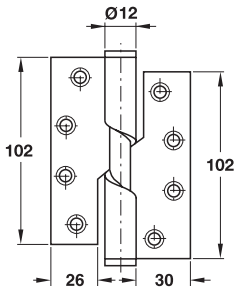
Technical data
- Max. door weight with 3 hinges: 68 kg
- Knuckle: Ø16 mm
- Pin: Ø10 mm
- Material thickness: 3 mm

Material/finish	DIN left	DIN right
Stainless steel matt (304)	926.20.103	926.20.003

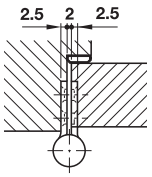
Packing: 2 pcs. incl. fixing material

Rising hinge StarTec





DIN left



Features
- For timber frames
- For flush doors
- With fixed pin

Technical data
- Max. door weight with 3 hinges: 20 kg
- Knuckle: Ø12 mm
- Material thickness: 2.5 mm
- Rising height by 90° opening: ~5 mm

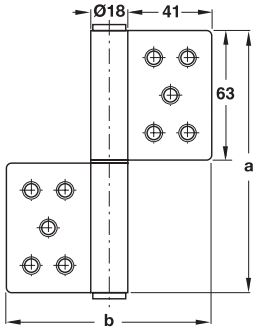
Material/finish	DIN left	DIN right
Stainless steel matt (304)	926.27.503	926.27.603

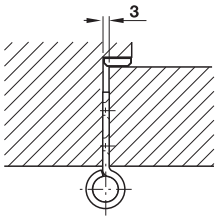
Packing: 2 pcs. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lift-off hinge StarTec







Features

- For timber frames
- For flush doors
- With fixed pin and intermediate ring
- Suitable for DIN left and right hand

Technical data

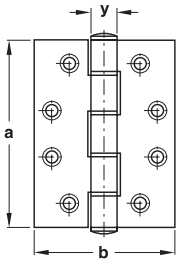
- Knuckle: Ø18 mm
- Material thickness: 3 mm

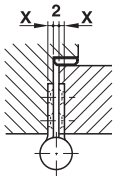
Height a in mm/inch	**127/5”**
Width b in mm/inch	**100/4”**
Max. door weight with 3 hinges kg	**80**
Stainless steel matt (304)	926.13.903

Packing: 2 pcs. incl. fixing material

Standard hinge StarTec







Features

- For timber frames
- For flush doors
- With fixed pin
- Knuckle with four washers
- Suitable for DIN left and right hand
- ANSI drilling pattern
- Stainless steel matt (304)

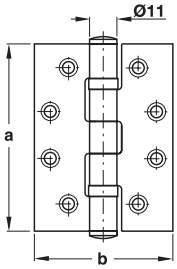
Height a in mm/inch		**102/4”**
Width b in mm/inch		**76/3”**
Max. door weight with 3 hinges kg		**40**
Knuckle Ø y =11 mm	X = 2 mm	921.17.130
Knuckle Ø y =12 mm	X = 2.5 mm	926.27.203
Knuckle Ø y =14 mm	X = 3 mm	926.13.703

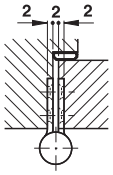
Packing: 2 pcs. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Standard hinge StarTec







Features

- For timber frames
- With fixed pin
- Knuckle with two ball bearings
- Suitable for DIN left and right hand
- ANSI drilling pattern

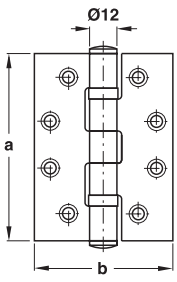
Technical data

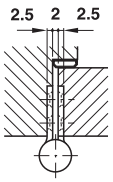
- Knuckle: Ø11 mm
- Material thickness: 2 mm

Height a in mm/inch	**102/4”**
Width b in mm/inch	**76/3”**
Max. door weight with 3 hinges kg	**40**
Stainless steel matt (304)	921.17.170
Brass polished lacquered	921.17.178
Brass antique copper plated	921.17.175
Brass antique brass plated	921.17.171

Packing: 2 pcs. incl. fixing material







Features

- For timber frames
- For flush doors
- With fixed pin
- Knuckle with two ball bearings
- Suitable for DIN left and right hand
- ANSI drilling pattern

Technical data

- Knuckle: Ø12 mm
- Material thickness: 2.5 mm

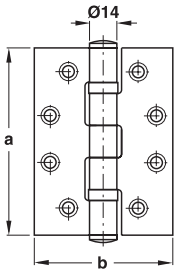
Height a in mm/inch	**102/4”**	**127/5”**
Width b in mm/inch	**76/3”**	**89/3.5”**
Max. door weight with 3 hinges kg	**55**	**60**
Stainless steel matt (304)	921.17.140	926.25.903
Stainless steel polished (304)	926.41.201	926.41.261
Brass polished lacquered	926.25.380	926.25.980
Brass antique copper plated	926.25.319	926.25.919
Brass antique brass plated	926.25.309	926.25.909

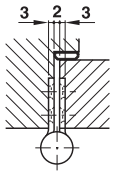
Packing: 2 pcs. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Standard hinge StarTec







Features

- For timber frames
- For flush doors
- With fixed pin
- Knuckle with two ball bearings
- Suitable for DIN left and right hand
- ANSI drilling pattern

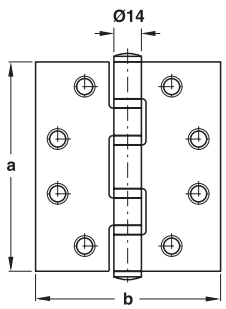
Technical data

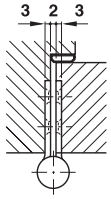
- Knuckle: Ø14 mm
- Material thickness: 3 mm

Height a in mm/inch	**102/4”**	**102/4”**	**102/4”**	**114/4.5”**	**127/5”**
Width b in mm/inch	**76/3”**	**89/3.5”**	**102/4”**	**102/4”**	**89/3.5”**
Max. door weight with 3 hinges kg	**70**	**75**	**75**	**75**	**80**
Stainless steel matt (304)	926.20.803	921.08.202	926.13.103	921.17.025	926.25.103
Stainless steel polished (304)	926.41.211	926.41.231	926.41.251	–	926.41.271
Stainless steel matt (316)	926.20.805	926.20.905	–	–	–
Brass polished lacquered	926.20.880	926.20.980	926.13.180	–	926.25.180
Brass antique copper plated	926.20.819	926.20.919	–	–	926.25.119
Brass antique brass plated	926.20.809	926.20.909	–	–	926.25.109
Stainless steel (304) brass plated polished PVD	926.38.085	–	–	–	926.38.185

Packing: 2 pcs. incl. fixing material







Features

- For timber frames
- For flush doors
- With fixed pin
- Knuckle with four ball bearings
- Suitable for DIN left and right hand
- ANSI drilling pattern

Technical data

- Knuckle: Ø14 mm
- Material thickness: 3 mm

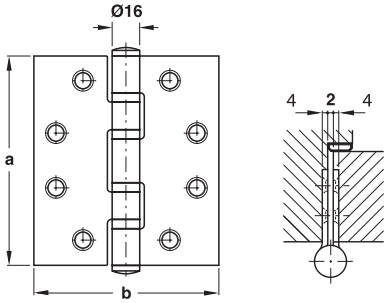
Height a in mm/inch	**114/4.5”**	**127/5”**
Width b in mm/inch	**102/4”**	**89/3.5”**
Max. door weight with 3 hinges kg	**75**	**80**
Stainless steel matt (304)	926.25.403	926.25.503
Brass polished lacquered	926.25.480	926.25.580
Brass antique copper plated	926.25.419	926.25.519
Brass antique brass plated	921.17.074	926.25.509

Packing: 2 pcs. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Standard hinge StarTec





Features

- For timber frames
- For flush doors
- With fixed pin
- Knuckle with four ball bearings
- Suitable for DIN left and right hand
- ANSI drilling pattern

Technical data

- Knuckle: Ø16 mm
- Material thickness: 4 mm

Height a in mm/inch	**114/4.5”**
Width b in mm/inch	**102/4”**
Max. door weight with 3 hinges kg	**90**
Stainless steel matt (304)	921.17.035
Brass polished lacquered	926.34.480
Brass antique copper plated	926.34.419
Brass antique brass plated	926.34.409

Packing: 2 pcs. incl. fixing material

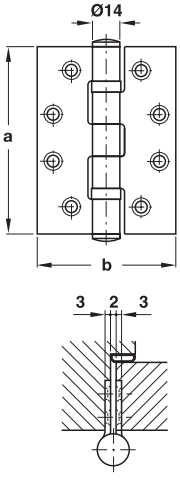
Heavy duty hinge StarTec

EN 1935

CE

4 (1-4)	7 (3/4/7)	6 (0-7)	1 (0/1)	1 (1)	4 (0-4)	0 (0/1)	13 (1-14)





Features

- For timber frames
- For flush doors
- With fixed pin
- Knuckle with two ball bearings
- Suitable for DIN left and right hand
- Tested according to EN 1935:2002
  hinge class 13
- Tested for fire resistance and smoke control

Technical data

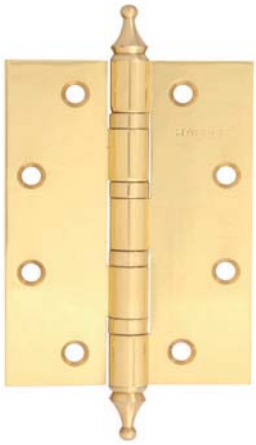
- Max. door weight according to EN 1935:2002
- Knuckle: Ø14 mm
- Material thickness: 3 mm

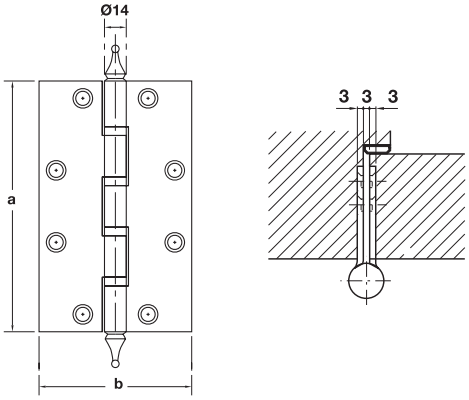
Height a in mm/inch	**102/4”**	**102/4”**	**102/4”**	**127/5”**
Width b in mm/inch	**76/3”**	**89/3.5”**	**102/4”**	**89/3.5”**
Max. door weight with 3 hinges kg	**120**	**120**	**120**	**120**
Stainless steel matt (304)	926.90.203	926.33.203	926.33.303	926.33.403
Stainless steel (304) brass plated polished	926.90.280	926.33.286	–	926.33.486

Packing: 2 pcs. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Standard hinge StarTec





Features

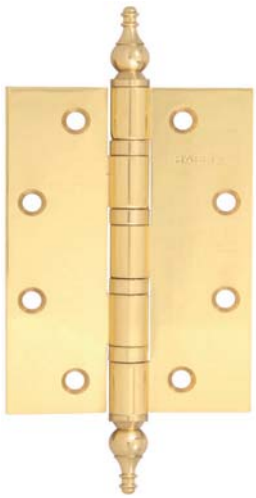
- For timber frames
- For flush doors
- With fixed pin
- Knuckle with four ball bearings
- Suitable for DIN left and right hand

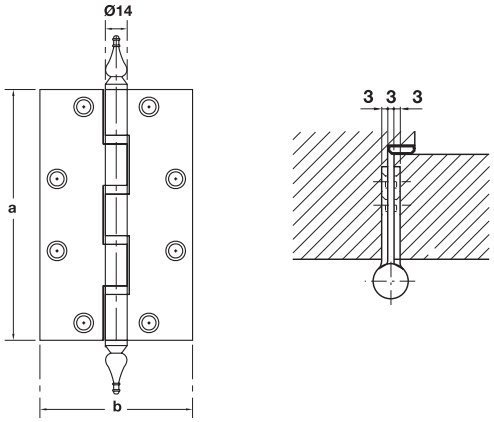
Technical data

- Knuckle: Ø14 mm
- Material thickness: 3 mm

Height a in mm/inch	**127/5”**
Width b in mm/inch	**89/3.5”**
Max. door weight with 3 hinges kg	**70**
Brass polished lacquered	926.34.180
Brass antique copper plated	926.34.119
Brass antique brass plated	926.34.109
Stainless steel (304) brass plated polished PVD	926.38.285

Packing: 2 pcs. incl. fixing material





Features

- For timber frames
- For flush doors
- With fixed pin
- Knuckle with four ball bearings
- Suitable for DIN left and right hand

Technical data

- Knuckle: Ø14 mm
- Material thickness: 3 mm

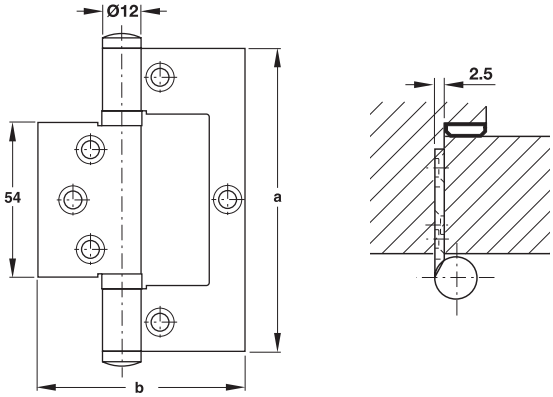
Height a in mm/inch	**127/5”**
Width b in mm/inch	**89/3.5”**
Max. door weight with 3 hinges kg	**70**
Brass polished lacquered	926.34.280
Brass antique copper plated	926.34.219
Brass antique brass plated	926.34.209

+Packing: 2 pcs. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Standard hinge StarTec





Features

- For timber frames
- For flush doors
- With fixed pin
- Knuckle with two ball bearings
- Suitable for DIN left and right hand

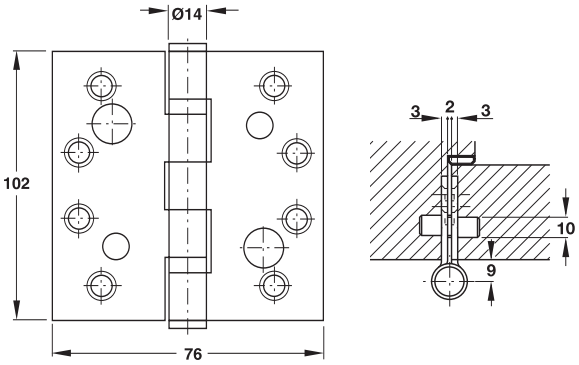
Technical data

- Knuckle: Ø12 mm
- Material thickness: 2.5 mm

Height a in mm/inch	**102/4”**
Width b in mm/inch	**71/2.75”**
Max. door weight with 3 hinges kg	**45**
Stainless steel matt (304)	926.96.100

Packing: 2 pcs. incl. fixing material





Features

- For timber frames
- For flush doors
- With anti-lift securing device
- With fixed pin
- Knuckle with two ball bearings
- Suitable for DIN left and right hand
- ANSI drilling pattern

Technical data

- Knuckle: Ø14 mm
- Material thickness: 3 mm

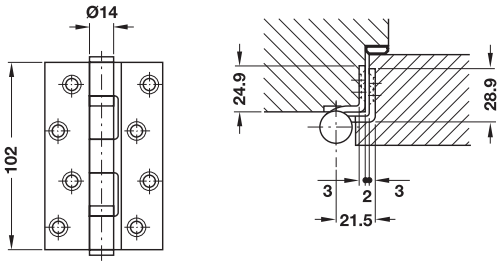
Height a in mm/inch	**102/4”**
Width b in mm/inch	**76/3”**
Max. door weight with 3 hinges kg	**70**
Stainless steel matt (304)	926.27.403
Brass polished lacquered	926.27.480

Packing: 2 pcs. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Standard hinge StarTec





Features

- For timber frames
- For rebated doors
- With fixed pin
- Knuckle with two ball bearings
- Suitable for DIN left and right hand

Technical data

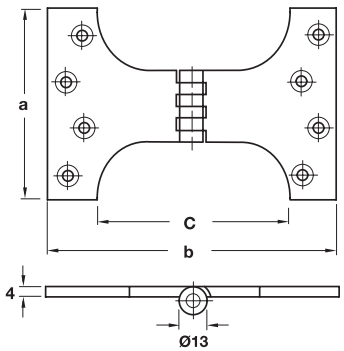
- Knuckle: Ø14 mm
- Material thickness: 3 mm

Height a in mm/inch	**102/4”**
Max. door weight with 3 hinges kg	**58**
Stainless steel matt (304)	926.25.803

Packing: 2 pcs. incl. fixing material

Parliament hinge StarTec





Features

- Suitable for lightweight application only
- Short hinge knuckle not usable for excessive load or extra wide doors
- Stainless steel pin

Technical data

- Knuckle: Ø13 mm
- Material thickness: 4 mm

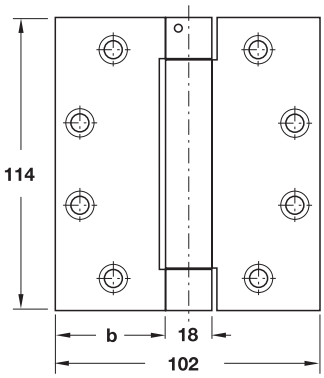
Height a in mm	**102**	**102**
Width b in mm	**127**	**152**
Max. door weight with 3 hinges kg	**40**	**50**
Projection C in mm	**76**	**102**
Brass chrome plated matt	921.08.595	921.08.605
Brass polished lacquered	921.08.598	921.08.608

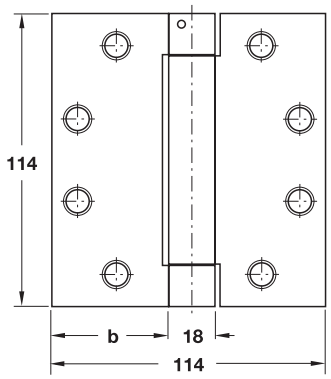
Packing: 2 pcs. incl. fixing material

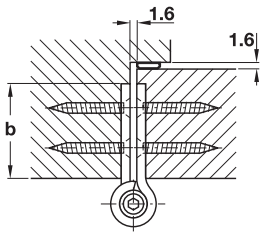
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

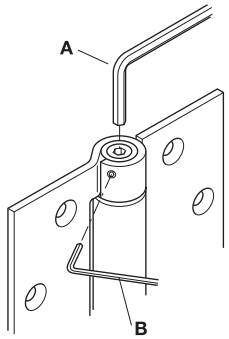
Spring hinge StarTec











A = Adjustment of spring force
B = Fixing of adjustment spring force with security screw

Features

- For timber or steel frames
- For flush doors
- Maintenance-free polymer friction bearing
- Spring force can be adjusted and locked in position
- Suitable for DIN left and right hand
- UL listed 847H, ANSI A117.1

Installation

- Relax
  - Slacken security screw on the side of the knuckle
  - Press down and simultaneously turn the hexagon socket screw in the knuckle anti-clockwise. Repeat this action until the hinge is completely relaxed. Then install the hinges.
- Tighten
  - Turn the hexagon socket screw in the knuckle clockwise and set spring force of all hinges equally as required.
  - Re-tighten security screw firmly.

Technical data

- Max. door weight with 3 hinges: 60 kg
- Knuckle: Ø18 mm
- Material thickness: 3.5 mm

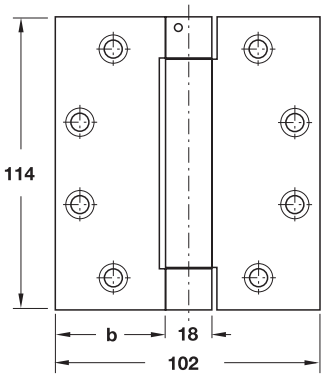
Flange width b mm	**40**	**46**
Steel chrome plated matt	926.10.041	926.10.141
Steel brass plated polished	926.10.080	–

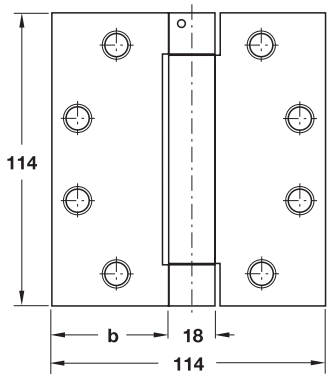
Packing: 3 pcs. incl. fixing material

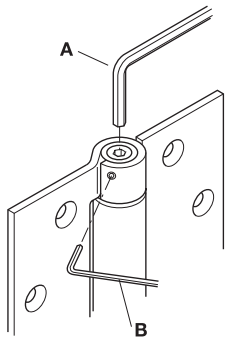
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Spring hinge StarTec

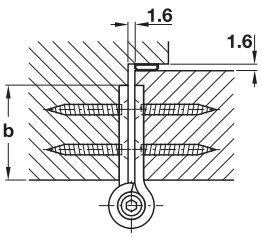








A = Adjustment of spring force
B = Fixing of adjustment spring force with security screw



Features

- For timber or steel frames
- For flush doors
- Maintenance-free polymer friction bearing
- Spring force can be adjusted and locked in position
- Suitable for DIN left and right hand

Fixing

- Relax
  - Slacken security screw on the side of the knuckle
  - Press down and simultaneously turn the hexagon socket screw in the knuckle anti-clockwise. Repeat this action until the hinge is completely relaxed. Then install the hinges.
- Tighten
  - Turn the hexagon socket screw in the knuckle clockwise and set spring force of all hinges equally as required.
  - Re-tighten security screw firmly.

Technical data

- Max. door weight with 3 hinges: 60 kg
- Knuckle: Ø18 mm
- Material thickness: 3.5 mm

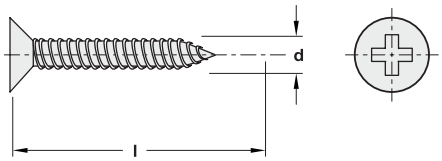
Flange width b mm	**40**
Stainless steel matt (304)	926.35.003
Steel brass plated polished	926.35.086

Packing: 3 pcs. incl. fixing material

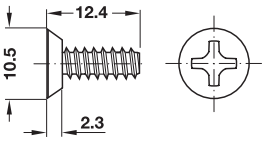
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Accessories for hinges StarTec

Countersunk head screw



Hinge material thickness mm	Screw size d x l mm	Stainless steel	Brass polished	Antique copper	Antique brass
2.0/2.5	4.0 x 25	909.00.949	909.00.951	909.00.953	909.00.955
3	4.5 x 32	909.00.950	909.00.952	909.00.954	909.00.956



Features

- For fixing the butt hinge to metal frames

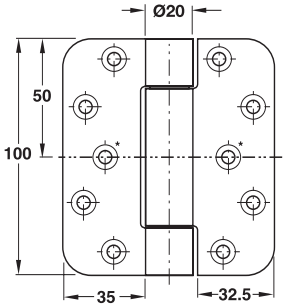
Material/finish	Cat. No.
Stainless steel matt	926.22.300

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

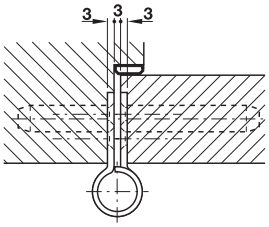
Heavy duty hinge StarTec

EN 1935





* For doors under extra heavy duty please use additionally carrying pins.



Features

- For timber frames
- For heavy duty flush doors
- Maintenance-free polymer friction bearing
- Torsion-proof screw-in pins
- Suitable for DIN left hand and DIN right hand
- Tested according to DIN EN 1935:2002-05 hinge class 13

Technical data

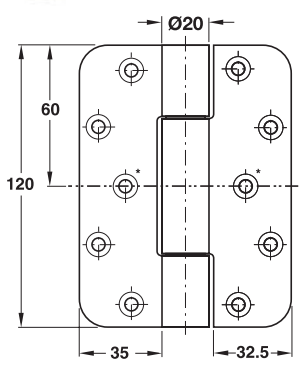
- Max. door weight according to DIN EN 1935:2002-05 HC 13 120 kg
- Max. door weight with 2 hinges 130 kg (Reference door 2,000 x 1,000 x 40 mm)
- Knuckle Ø20 mm
- Pin Ø9 mm
- Material thickness 3 mm

Material/finish	Cat. No.
Stainless steel matt (304)	924.93.003

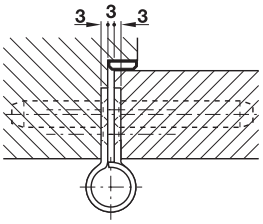
Packing: 2 pcs. incl. fixing material

EN 1935





* For doors under extra heavy duty please use additionally carrying pins.



Features

- For timber frames
- For heavy duty flush doors
- Maintenance-free polymer friction bearing
- Torsion-proof screw-in pins
- Suitable for DIN left hand and DIN right hand
- Tested according to DIN EN 1935:2002-05 hinge class 13

Technical data

- Max. door weight according to DIN EN 1935:2002-05 HC 13 120 kg
- Max. door weight with 2 hinges 160 kg (Reference door 2,000 x 1,000 x 40 mm)
- Knuckle Ø20 mm
- Pin Ø9 mm
- Material thickness 3 mm

Material/finish	Cat. No.
Stainless steel matt (304)	924.93.103

Packing: 2 pcs. incl. fixing material

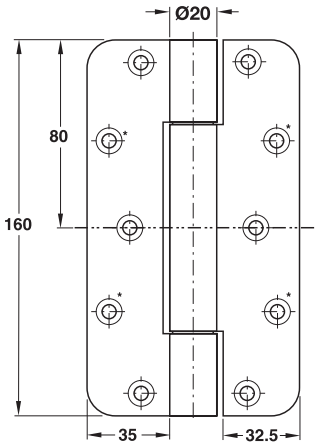
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

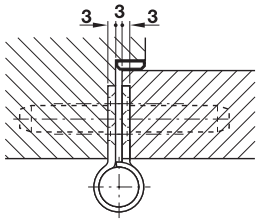
Heavy duty hinge StarTec

EN 1935









* For doors under extra heavy duty please use additionally carrying pins.

Features

- For timber frames
- For heavy duty flush doors
- Maintenance-free polymer friction bearing
- Torsion-proof screw-in pins
- Suitable for DIN left hand and DIN right hand
- Tested according to DIN EN 1935:2002-05 hinge class 14

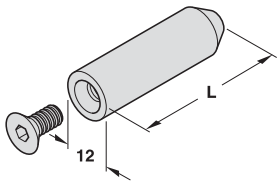
Technical data

- Max. door weight according to DIN EN 1935:2002-05 HC 14 160 kg
- Max. door weight with 2 hinges 260 kg (Reference door 2,000 x 1,000 x 40 mm)
- Knuckle Ø20 mm
- Pin Ø9 mm
- Material thickness: 3 mm

Material/finish	Cat. No.
Stainless steel matt (304)	924.93.203

Packing: 2 pcs. incl. fixing material

Carrying pin StarTec



Note

Carrying pins are used with butt hinges for architectural doors. The use of carrying pins is highly recommended with heavy duty doors (public buildings). They ease the load on the fixing screws and stabilize the hinge flange recessed in the door. However, carrying pins only increase the stability, not the maximum door weight!

Features

- For the frames side of flanged hinges
- Screw stainless steel (304)

Material/finish	Length L mm	Cat. No.
Housing steel nickel plated	40	924.25.503
	60	924.25.603

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Double action spring hinge StarTec

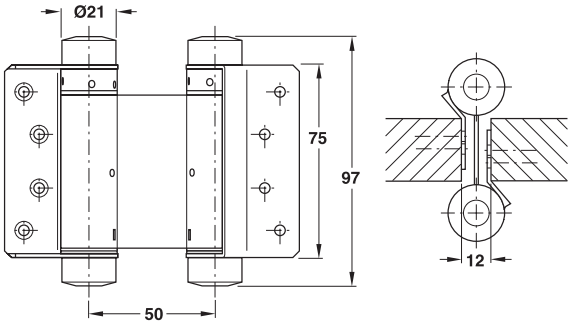


Features

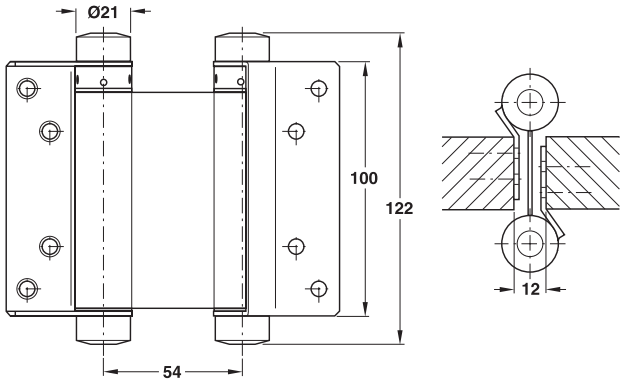
- For timber frames
- For flush doors
- 180° swing action on both sides
- Suitable for DIN left and right hand
- With plastic washer improved swing action

Max. door weight kg	**15**	**22**	**27**	**40**
Height mm	**75**	**100**	**125**	**150**
Knuckle Ø mm	**21**	**21**	**21**	**26**
Door thickness mm	**18–25**	**25–30**	**30–35**	**35–40**
Max. door width mm	**600**	**700**	**700**	**750**
Steel nickel plated	927.01.070	927.01.170	927.01.270	927.01.370
Steel brass plated polished	927.01.081	927.01.181	927.01.281	927.01.381
Stainless steel matt	927.01.003	927.01.103	927.01.203	927.01.303

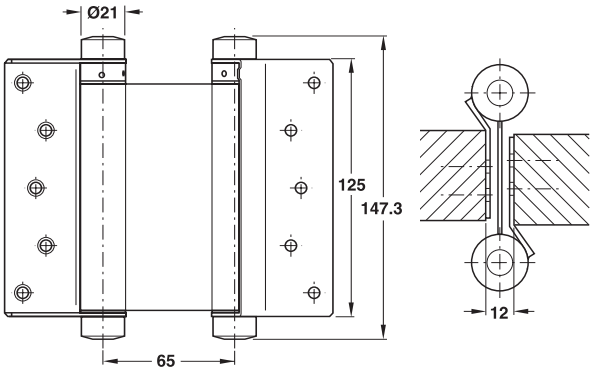
Packing: 2 pcs



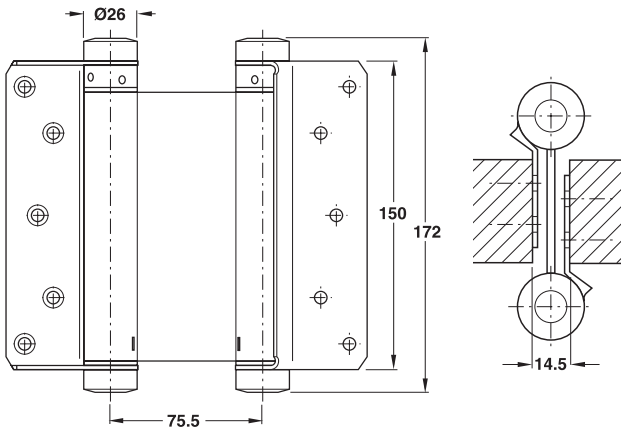
For door weight max. 15 kg



For door weight max. 22 kg



For door weight max. 27 kg

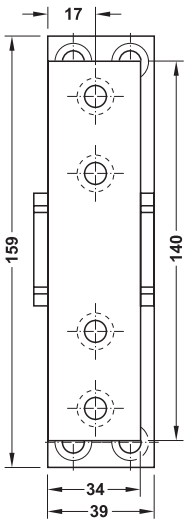


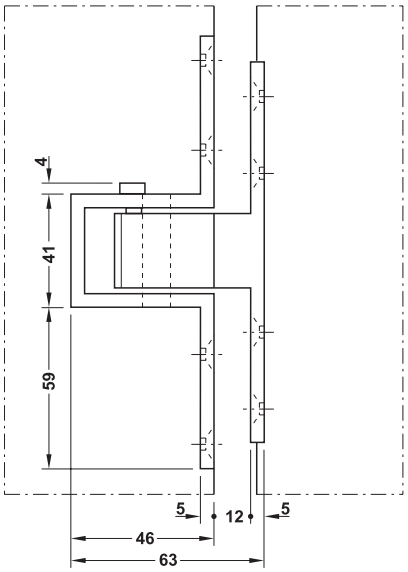
For door weight max. 40 kg

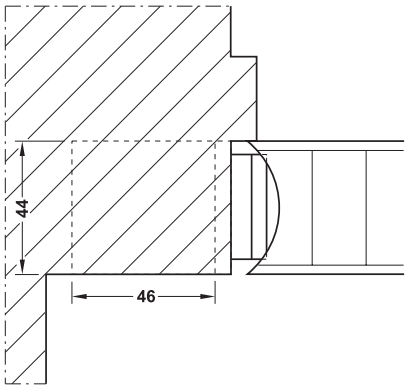
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

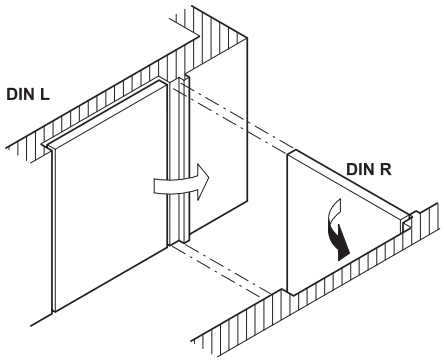
Concealed mortise hinge











Features

- For installation in wall recesses
- For flush wooden or metal doors
- Suitable for DIN left hand and DIN right hand
- Certified for fire resistant and smoke control doors in compliance with ANSI 156.1 and NFPA 80

Technical data

- Max. door height: 2,150 mm
- Max. door width: 1,200 mm
- Door thickness: 45 mm

Note

The number of hinges to be used depends on the door size and weight.

Max. door size mm	Max. door weight kg	No. of hinges
900 x 2.150	68	2
	113	3
1.200 x 2.150	158	4

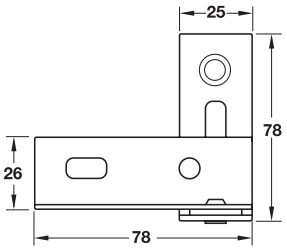
Material/finish	Cat. No.
Steel chrome plated matt	921.07.116

Packing: 3 pcs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pivot door hinge StarTec



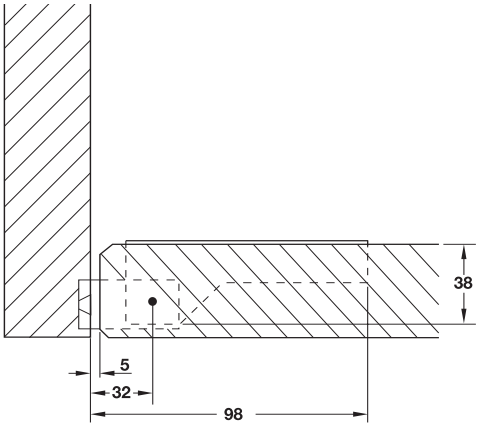


Features

- Stainless steel thickness 2.5 mm
- For solid wood or timber doors with thickness 40–45 mm
- Maximum door size (height x width) 2,000 x 900 mm
- Maximum carrying weight at 60 kg

Material/finish	Cat. No.
Stianless steel (304)	927.98.000

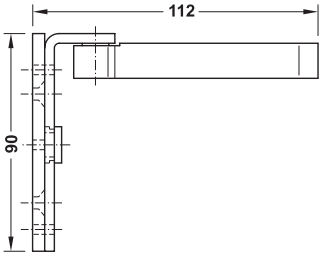
Packing: 2 pcs. incl. fixing material



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Concealed mortise hinge CIR





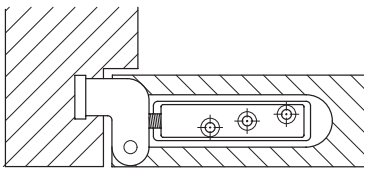
Features

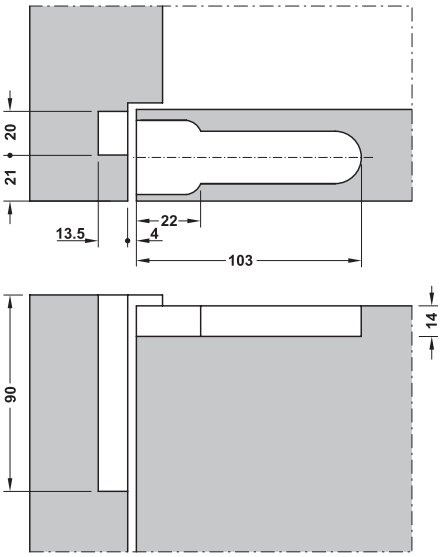
- For flush doors
- For concealed mounting
- Maintenance-free polymer friction bearing
- Suitable for DIN left hand and DIN right hand

Technical data

- Max. door weight: 70 kg
- Adjustment facility:
  Side each ±3 mm, closing pressure each ±1.5 mm

Installation





Material/finish	Cat. No.
Steel galvanized	927.54.090

Cover cap for CIR



Material/finish	Cat. No.
Plastic chrome plated matt	927.54.141
Plastic brass plated	927.54.180

Routing jig for CIR



Material	Cat. No.
Steel	927.54.200

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Concealed mortise hinge StarTec



Features

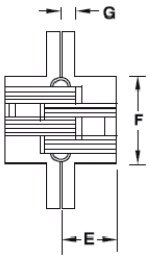
- For timber frames
- For flush doors
- For concealed mounting

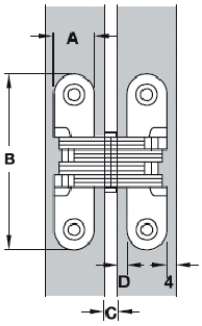
Technical data

- Max. opening angle 180°

Finish

Ⓐ Housing: Zinc alloy chrome plated satin
Ⓑ Housing: Zinc alloy brass plated polished
Ⓒ Housing: Zinc alloy antique brass
Ⓓ Housing: Zinc alloy antique copper







Version	Door thickness mm	Dimensions mm							Material/finish			
		A	B	C	D	E	F	G	Ⓐ	Ⓑ	Ⓒ	Ⓓ
With 4 fixing screws	19–24	12.4	44	4	2	18.3	18.7	5	341.18.421	341.18.821	341.18.121	341.18.122
		12.7	60.4		4	17.8	30	5.6	341.18.423	341.18.823	341.18.123	341.18.124
	25–27	15.7	69	3	5	22.7	33.7	7	341.18.425	341.18.825	341.18.125	341.18.126
	28–36	15.8	70	34.1	7.1	15.6	4	3.6	341.18.427	341.18.827	341.18.127	341.18.128
	33–37	19	95.3	52.1	9.5	17.8	4.8	4	341.18.429	341.18.829	341.18.129	341.18.130
With 8 fixing screws	38–43	27.8	116	7	8	41	61.3	9.1	341.18.431	341.18.831	341.18.131	341.18.132
	43–47	33.6	137.2	12		50	73.8	11	341.18.433	341.18.833	341.18.133	341.18.134

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Concealed mortise hinge



Version shows links with plastic slide plates

Features

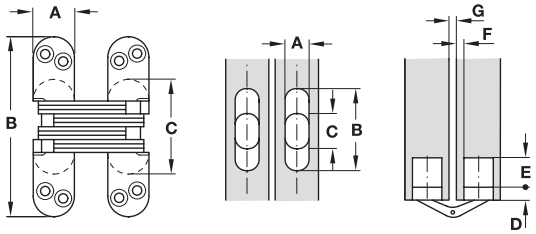
- For timber frames
- For flush doors
- For concealed mounting
- Fire rated version is available on request

Technical data

- Max. opening angle 180°

Finish

Ⓐ Housing: Zinc alloy brass plated
Links: Steel brass plated
Ⓑ Housing: Zinc alloy nickel plated
Links: Steel nickel plaed
Ⓒ Housing: Stainless steel (316)
Links: Stainless steel (316)

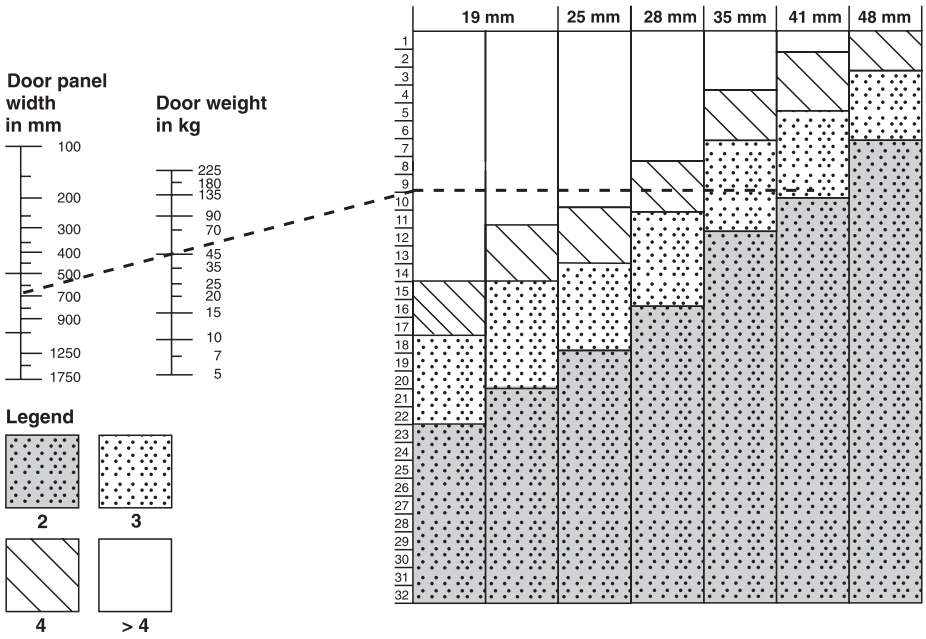


Version	Door thickness mm	Dimensions mm							Finish		
		A	B	C	D	E	F	G	Ⓐ	Ⓑ	Ⓒ
Without plastic slide plates	13–16	9.5	42	22	5.5	6	2.4	2.8	341.07.518	341.07.718	341.07.018
	19–24	12.7	44.5	19	4.8	13.1	3.2	2.8	341.07.527	341.07.727	341.07.027
		12.7	60.3	31.8	6.4	12	3.2	2.8	341.07.536	341.07.736	341.07.036
	25–27	15.8	70	34.1	7.1	15.6	4	3.6	341.07.545	341.07.745	341.07.045
	28–34	19	95.3	52.1	9.5	17.8	4.8	4	341.07.554	341.07.754	341.07.054
	35–38	25.4	117.5	65.3	12	24.6	6.4	5.5	341.07.563	341.07.763	341.07.063
With plastic slide plates	41–45	29	117.5	62.5	9.7	30	6.4	9.5	341.07.572	341.07.772	341.07.072
	48–51	36	139	74.5	11.9	39.1	7.5	12	341.07.581	341.07.781	341.07.081

Packing: 2 pc. incl. fixing material

Calculation table

Determining the number of required door hinges.
Example:
A door 700 mm wide, weighs 45 kg and has a thickness of 41 mm would require three concealed hinges
341.07.572 / 341.07.772 / 341.07.072



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Concealed mortise hinge StarTec

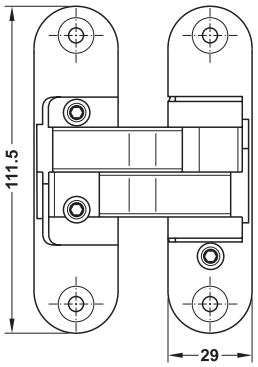


Features

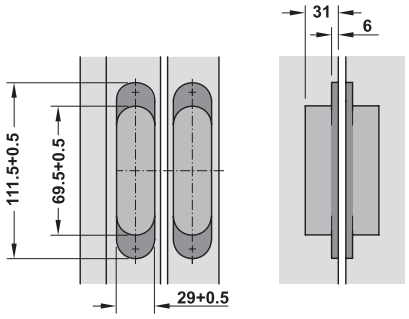
- For timber frames
- For flush doors
- For concealed mounting

Technical data

- Max. opening angle 180°
- Max. door height: 2,000 mm
- Max. door width: 1,000 mm
- Min. door thickness: 40 mm
- Adjustment facility: Continuously 3D adjustable height ±1.5 mm, side and closing pressure ±1 mm

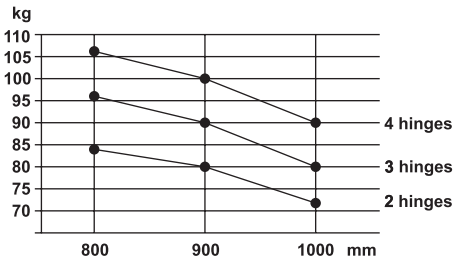


Installation



Routing pattern for frame and door

Weight chart



Material/finish	DIN left	DIN right
Zinc alloy nickel plated matt	927.32.006	927.32.016
Zinc alloy nickel plated polished	927.32.007	927.32.017
Zinc alloy brass plated polished	927.32.008	927.32.018

Packing: 1 pc. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Concealed mortise hinge StarTec

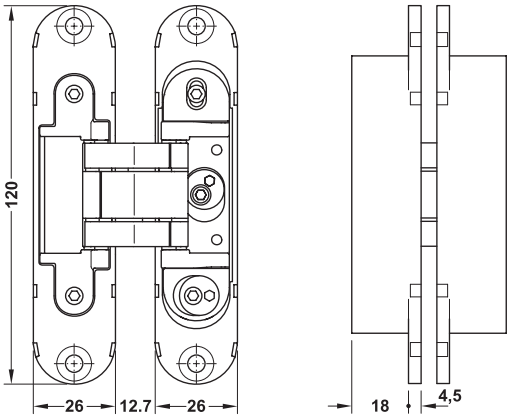


Features

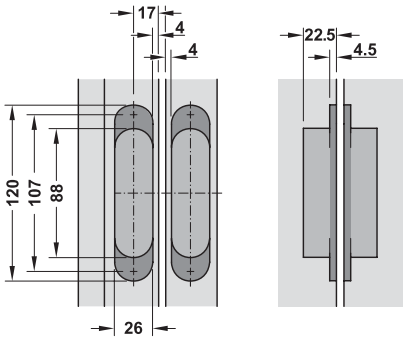
- For timber frames
- For flush doors
- For concealed mounting

Technical data

- Max. opening angle 180°
- Min. door thickness: 40 mm
- Max. door weight: 40 kg with 2 hinges, 50 kg with 3 hinges
- Adjustment facility: Continuously 3D adjustable height and side ±2 mm, closing pressure ±1 mm



Installation



Material/finish	Cat. No.
Zinc alloy chrome plated matt	927.91.604
Zinc alloy nickel plated matt	927.91.606

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Concealed mortise hinge StarTec

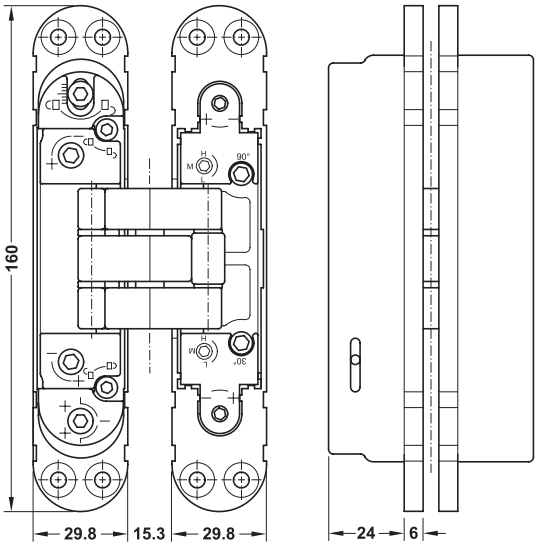


Features

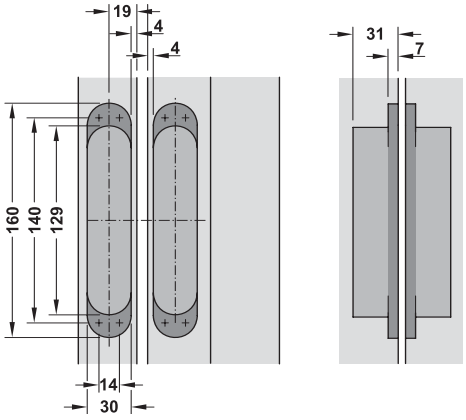
- For timber frames
- For flush doors
- For concealed mounting

Technical data

- Max. opening angle 180°
- Min. door thickness: 40 mm
- Max. door weight: 80 kg with 2 hinges,
  100 kg with 3 hinges
- Adjustment facility: Continuously 3D adjustable
  height ±3 mm, side +3/-2 and closing pressure ±1 mm



Installation



Material/finish	Cat. No.
Zinc alloy chrome plated matt	927.91.634
Zinc alloy nickel plated matt	927.91.636

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Concealed mortise hinge StarTec

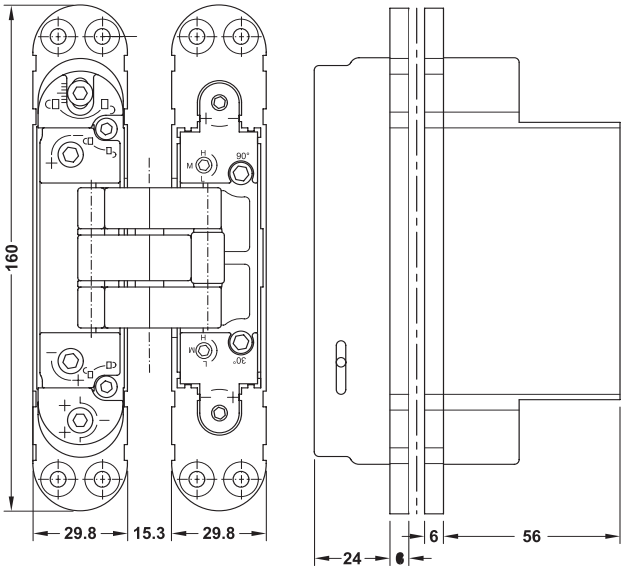


Features

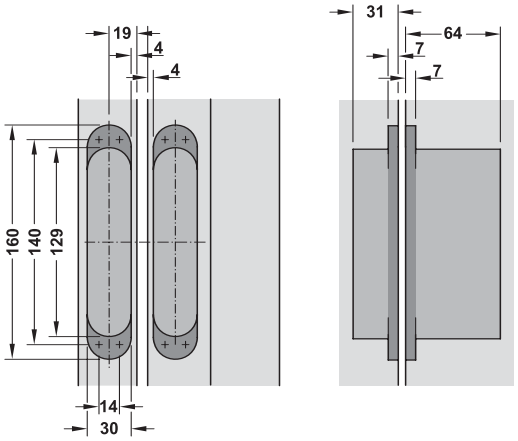
- For timber frames
- For flush doors
- For concealed mounting

Technical data

- Max. opening angle 180°
- Min. door thickness: 40 mm
- Max. door weight: 60 with 3 hinges,
- Adjustment facility: Continuously 3D adjustable height ±3 mm, side +3/-2 and closing pressure ±1 mm, closing force with 3 settings



Installation



Material/finish	Cat. No.
Zinc alloy chrome plated matt	927.91.614
Zinc alloy nickel plated matt	927.91.616

Doors close automatically by closing mechanism

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Concealed mortise hinge StarTec

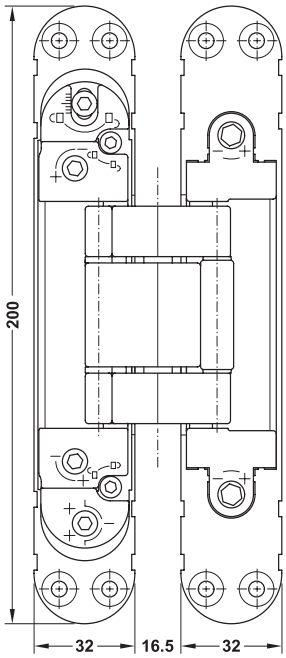


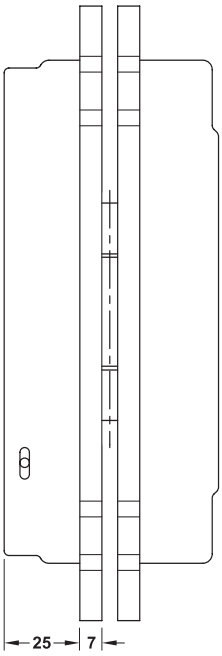
Features

- For timber frames
- For flush doors
- For concealed mounting

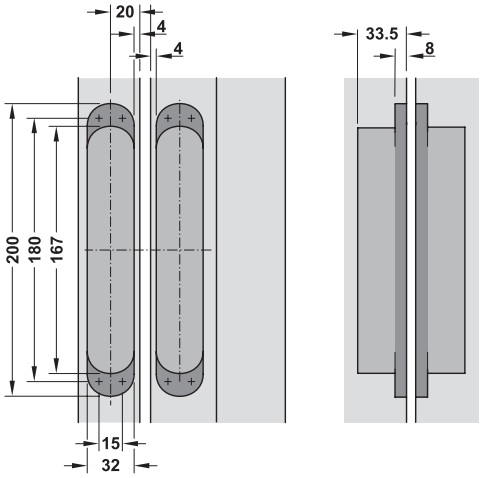
Technical data

- Max. opening angle 180°
- Min. door thickness: 40 mm
- Max. door weight: 120 kg with 2 hinges,
  140 kg with 3 hinges
- Adjustment facility: Continuously 3D adjustable
  height ±3 mm, side +3/-2 and closing pressure ±1 mm





Installation



Material/finish	Cat. No.
Zinc alloy chrome plated matt	927.91.624
Zinc alloy nickel plated matt	927.91.626

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Concealed mortise hinge StarTec

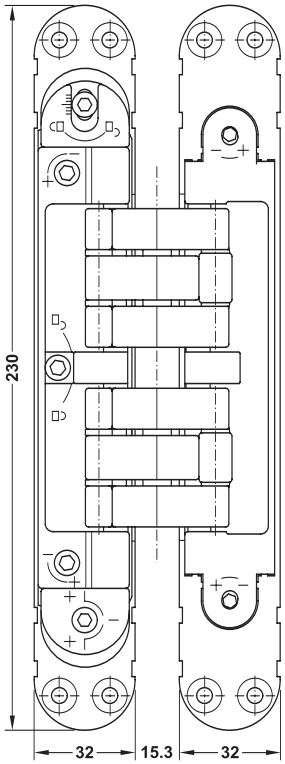


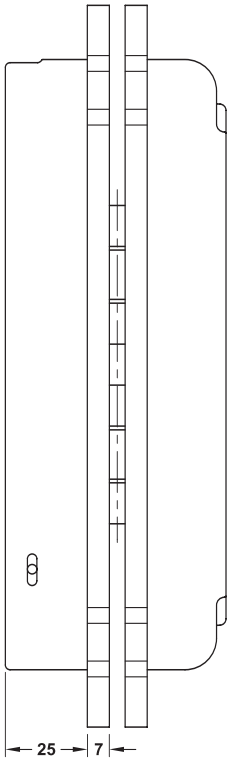
Features

- For timber frames
- For flush doors
- For concealed mounting

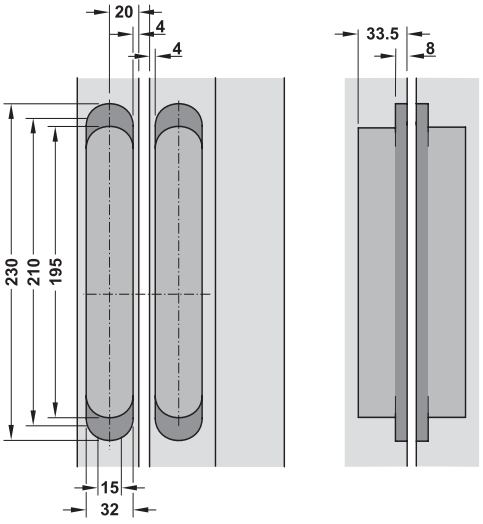
Technical data

- Max. opening angle 180°
- Min. door thickness: 40 mm
- Max. door weight: 200 kg with 2 hinges
- Adjustment facility: Continuously 3D adjustable height ±3 mm, side +3/-2 and closing pressure ±1 mm





Installation



Material/finish	Cat. No.
Zinc alloy chrome plated matt	927.91.644
Zinc alloy nickel plated matt	927.91.646

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Concealed mortise hinge TECTUS TE 540 3D A8



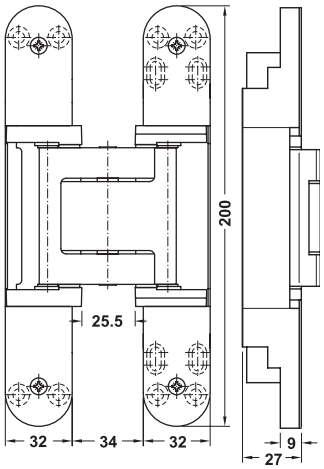
Features

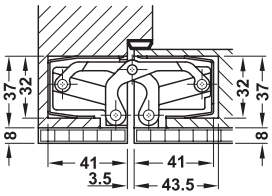
- For frames made of wood, steel or aluminium
- For doors with doubling elements up to 8 mm
- For flush doors
- For concealed mounting
- Suitable for DIN left hand and DIN right hand

Technical data

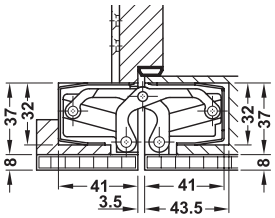
- Max. opening angle 180°
- Min. door thickness: 40 mm
- Max. door weight: 100 kg
- Adjustment facility: Continuously 3D adjustable side and height ±3 mm and closing pressure ±1 mm
- Router bit Ø: 24 mm

Installation

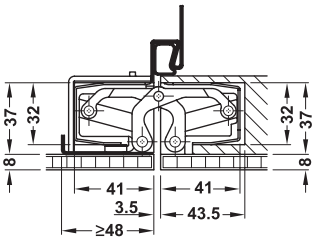




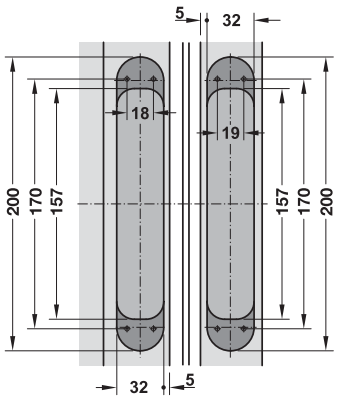
To wooden block frames

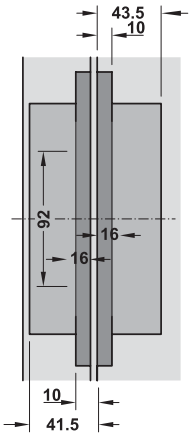


With mounting plate to wooden lining frames

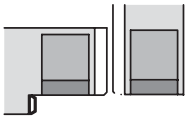


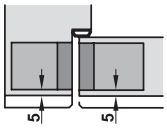
With receiver to steel frames





Preparing installation





Material	Finish	Cat. No.
Steel cover plates, plastic coated Aluminium link	Stainless steel coloured	924.17.304
	Silver coloured	924.17.321

Packing: 2 pcs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Concealed mortise hinge TECTUS TE 640 3D A8



Features

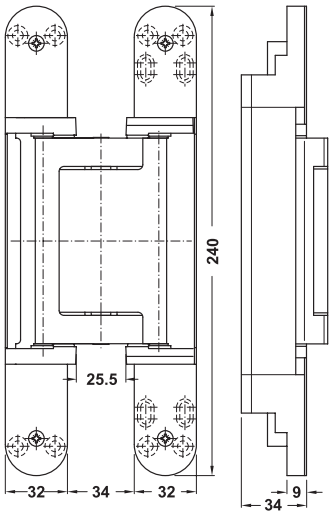
- For frames made of wood, steel or aluminium
- For doors with doubling elements up to 8 mm
- For flush doors
- For concealed mounting
- Suitable for DIN left hand and DIN right hand

Technical data

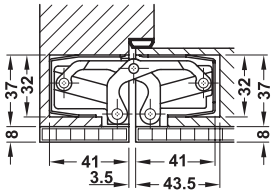
- Max. opening angle 180°
- Min. door thickness: 40 mm
- Max. door weight: 160 kg
- Adjustment facility: Continuously 3D adjustable side and height ±3 mm and closing pressure ±1 mm
- Router bit Ø: 24 mm

3

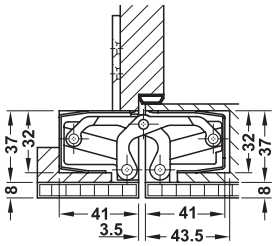
OUTSTANDING QUALITY



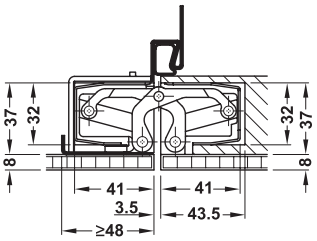
Installation



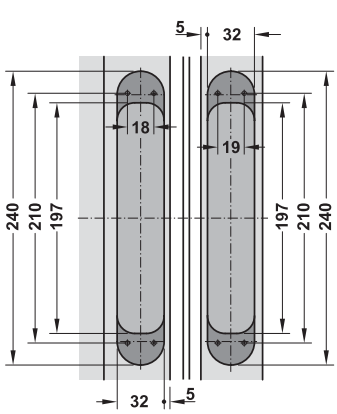
To wooden block frames

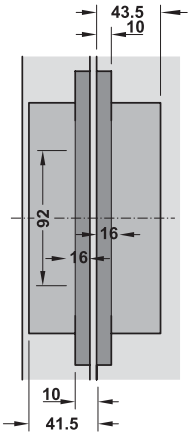


With mounting plate to wooden lining frames

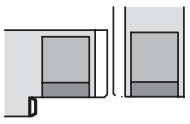


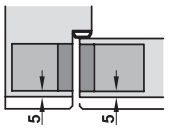
With receiver to steel frames





Preparing installation





Material	Finish	Cat. No.
Steel cover plates, plastic coated Aluminium link	Stainless steel coloured	924.17.504
	Silver coloured	924.17.521

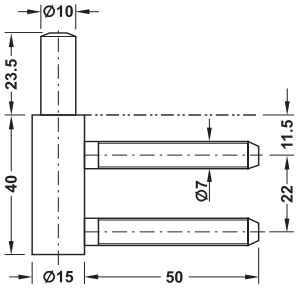
Packing: 2 pcs.

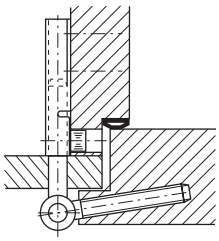
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Drill-in hinge StarTec

Frame part







Features

- For timber lining frames
- For rebated doors
- Suitable for DIN left hand and DIN right hand
- Maintenance-free friction bearing
- To use in combination with receiver

Technical data

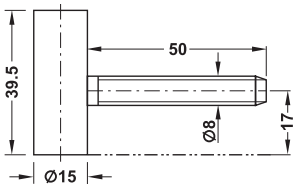
- Max. door weight: 40 kg
- Knuckle: Ø15 mm
- Drilling bit Ø7.2 mm

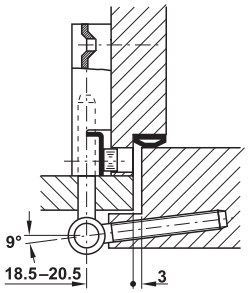
Material/finish	Cat. No.
Steel nickel plated	922.32.271
Stainless steel matt	922.32.203

Packing: 1 pc.

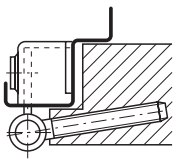
Wing part







With frame part to lining frames



With frame part to steel frames

Features

- For rebated timber doors
- Suitable for DIN left hand and DIN right hand

Technical data

- Max. door weight: 40 kg
- Knuckle: Ø15 mm
- Drilling bit Ø6.8 mm

Material/finish	Cat. No.
Steel nickel plated	922.32.071
Stainless steel matt	922.32.003

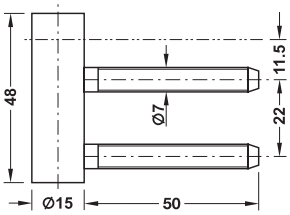
Packing: 1 pc.

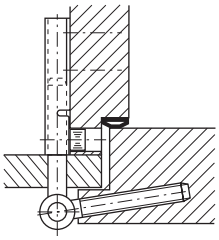
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Drill-in hinge StarTec

Frame part







Features
- For timber lining frames
- For rebated doors
- Suitable for DIN left hand and DIN right hand
- Maintenance-free friction bearing technology
- To use in combination with receiver

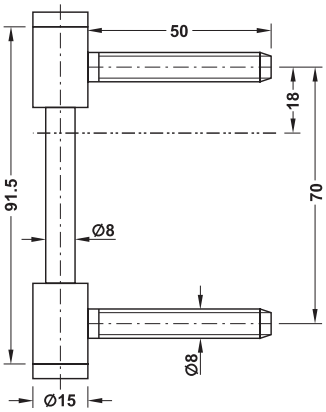
Technical data
- Max. door weight: 70 kg
- Knuckle: Ø15 mm
- Drilling bit Ø7.2 mm

Material/finish	Cat. No.
Steel nickel plated	922.32.471
Stainless steel matt	922.32.403

Packing: 1 pc.

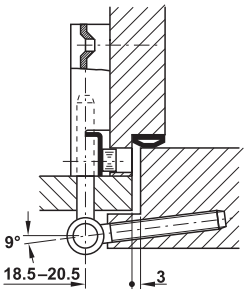
Wing part



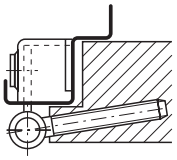


Features
- For rebated timber doors
- Suitable for DIN left hand and DIN right hand
- Maintenance-free friction bearing technology

Technical data
- Max. door weight: 70 kg
- Knuckle: Ø15 mm
- Drilling bit Ø6.8 mm



With frame part to lining frames



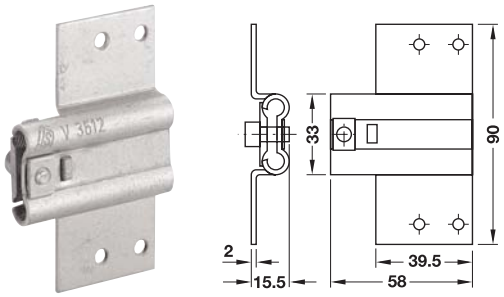
With frame part to steel frames

Material/finish	Cat. No.
Steel nickel plated	922.32.571
Stainless steel matt	922.32.503

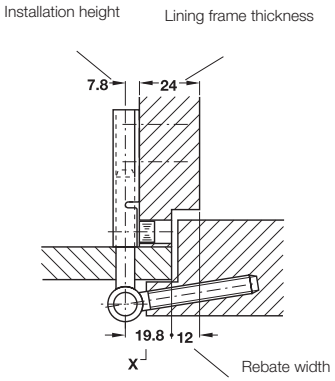
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Screw-on pocket StarTec



Installation



Dimension X = Frame rebate to centre of drill hole
Installation height = Dimension X + Rebate width - Lining frame thickness
Dimension X must be between 18.5 and 20.5 mm

Features

- For timber lining frames
- Material: Steel
- Finish: Galvanized
- Mounting: For DIN left hand and DIN right hand use

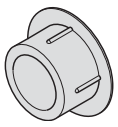
Model	Installation height mm	Cat. No.
V 3611	5.8	922.08.090
V 3612	7.8	922.08.190
V 3613	8.8	922.08.290
V 3614	9.8	922.08.390

Packing: 1 pc.

Note

Re-drill pin holes with 7.2 mm when using drilling jig (922.15.514).

Cover cap StarTec



Features

- Area of application: For screw-on pockets, for covering the rebate holes in the frame
- Diameter: 10 mm

Material	Colour	Cat. No.
Plastic	Light brown RAL 1011	922.08.441
	Black RAL 9005	922.08.407
	White RAL 9016	922.08.400

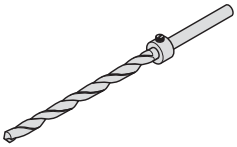
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

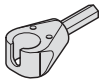
Accessories for drill-in hinges StarTec

Drilling jig for drill-in hinges





Drill bit Ø6.8 mm with adjusting ring



Brace Ø15 mm

Features

- For mounting frame and wing parts with Cat. No. 922.32.271/071/471/571
- Allows combined installation to frame and wing

Supplied with

1 Drilling jig
1 Drill bit Ø6.8 mm
1 Adjusting ring for drill bit
1 Brace Ø15 mm
1 Set mounting instructions

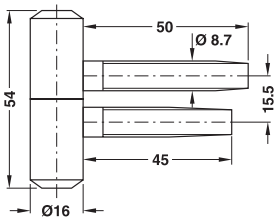
Material	Cat. No.
Plastic	922.15.514

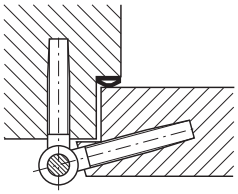
Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

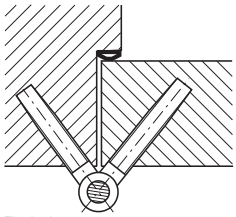
Drill-in hinge StarTec







Rebated door



Flush door

EN 1935

4 (1-4)	7 (3/4/7)	5 (0-7)	0 (0/1)	1 (1)	0 (0-4)	0 (0/1)	12 (1-14)

Features

- For blind timber frames
- For rebated and flush doors
- Suitable for DIN left hand and DIN right hand
- Standard certified in compliance with EN 1935:2002

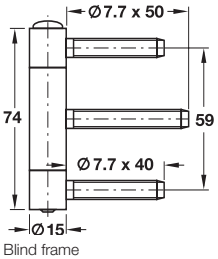
Technical data

- Max. door weight according to EN 1935:2003 HC12: 100 kg
- Knuckle: Ø16 mm

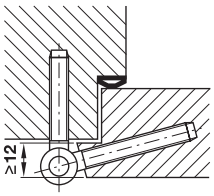
Material/finish	Cat. No.
Steel white galvanized	922.24.190

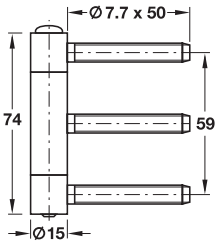
Packing: 20 pcs.



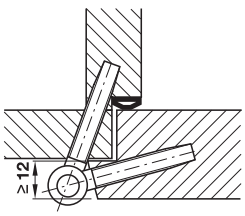


Blind frame





Lining frame



EN 1935

2 (1-4)	7 (3/4/7)	3 (0-7)	0 (0/1)	1 (1)	2 (0-4)	0 (0/1)	10 (1-14)

Features

- For blind and lining timber frames
- For rebated interior doors
- Maintenance-free friction bearing technology
- Suitable for DIN left hand and DIN right hand
- Tested according to EN 1935:2003 hinge class 10

Technical data

- Max. door weight according to EN 1935:2003 HC 10: 60 kg
- Knuckle: Ø15 mm

Material/finish	Version	Cat. No.
Steel nickel plated	For blind frame	922.40.170
	For lining frame	922.40.070

Packing: 2 pcs.

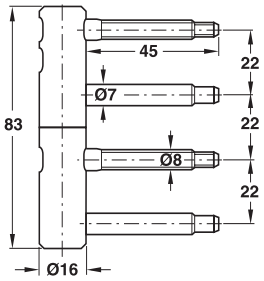
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

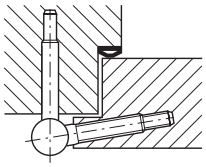
Drill-in hinge StarTec

EN 1935

2 (1-4)	7 (3/4/7)	3 (0-7)	0 (0/1)	1 (1)	0 (0-4)	0 (0/1)	10 (1-14)







Features

- For blind timber frames
- For rebated doors
- Maintenance-free friction bearing technology
- 3 Dimensionally adjustable: Vertical +4 mm, Horizontal +3/-2 mm, Depth +3/-2 mm
- Suitable for DIN left hand and DIN right hand
- Standard certified in compliance with EN 1935:2002 hinge class 10

Technical data

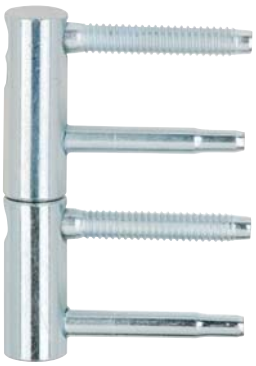
- Max. door weight according to EN 1935:2002 HC 10: 60 kg
- Knuckle: Ø16 mm

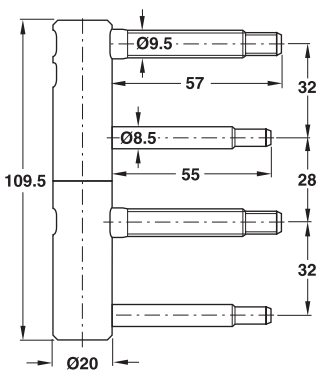
Material/finish	Cat. No.
Steel white galvanized	922.24.390

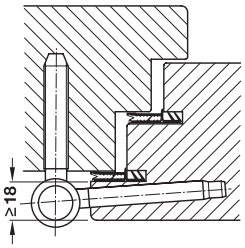
Packing: 2 pcs.

EN 1935

4 (1-4)	7 (3/4/7)	6 (0-7)	0 (0/1)	1 (1)	0 (0-4)	0 (0/1)	13 (1-14)







Features

- For blind timber frames
- For rebated interior doors
- Maintenance-free friction bearing technology
- 3 Dimensionally adjustable: Height +4 mm, side and closing pressure +3/-2 mm
- Suitable for DIN left hand and DIN right hand
- Standard certified in compliance with EN 1935:2002 hinge class 13

Technical data

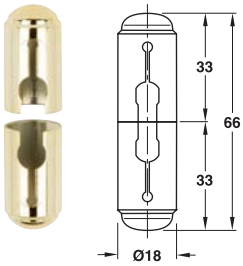
- Max. door weight according to EN 1935:2002 HC13: 120 kg
- Knuckle: Ø16 mm

Material/finish	Cat. No.
Steel white galvanized	922.24.490

Packing: 2 pcs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Decorative sleeve StarTec

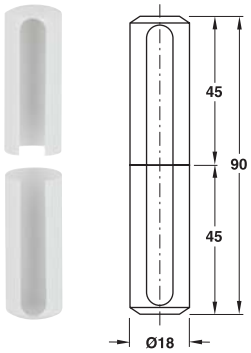


Features

- For 2-part drill-in hinges Ø16 mm
- Plastic

Finish	Cat. No.
Nickel colour matt	922.24.916
Chrome colour polished	922.24.912
Brass colour polished	922.24.918
White, RAL 9016	922.24.917

Packing: 2 pcs.

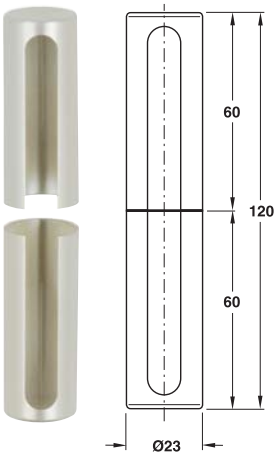


Features

- For 2-part, 3D adjustable drill-in hinges Ø16 mm
- Plastic

Finish	Cat. No.
Nickel colour matt	922.24.926
Chrome colour polished	922.24.922
Brass colour polished	922.24.928

Packing: 2 pcs.



Features

- For 2-part, 3D adjustable drill-in hinges Ø20 mm
- Plastic

Finish	Cat. No.
Nickel colour matt	922.24.936
Chrome colour polished	922.24.932
Brass colour polished	922.24.938
White, RAL 9016	922.24.937

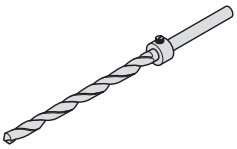
Packing: 2 pcs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Mounting aids for drill-in hinges StarTec



For rebated doors



Drill bit Ø7.3 mm with adjusting ring



For flush doors

Features

- For mounting drill-in hinge Cat. No. 922.24.190

Supplied with

2 Drilling jigs

1 Drill bit Ø7.3 mm with adjusting ring

Version	Cat. No.
For rebated doors	922.24.802
For flush doors	922.24.812

Packing: 1 tool set

3

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

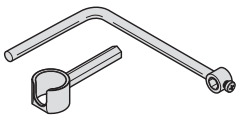
Mounting aids for drill-in hinges StarTec



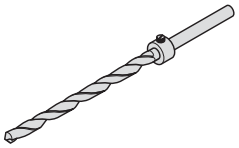
For blind frame



For lining frame



Crank with crank head



Stepped drill bit Ø7.2 mm with adjusting ring

Features

- For mounting drill-in hinge Cat. No. 922.40.070 and 922.40.170
- Suitable for left and right hand side

Supplied with

2 Drilling jigs

1 Crank with crank head

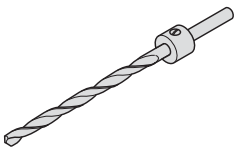
1 Stepped drill bit Ø7.2 mm with adjusting ring

Version	Cat. No.
For blind frame	922.15.530
For lining frame	922.15.538

Packing: 1 tool set



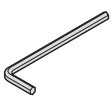
For rebated doors



Drill bit Ø7.0 mm with adjusting ring



Hexagonal socket bit



Allen key



For flush doors

Features

- For mounting drill-in hinge Cat. No. 922.24.390

Supplied with

2 Drilling jigs

1 Drill bit Ø7.0 with adjusting ring

1 Hexagon socket bit

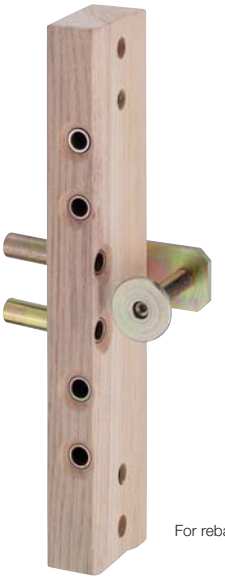
1 Allen key

Version	Cat. No.
For rebated doors	922.24.804
For flush doors	922.24.814

Packing: 1 tool set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

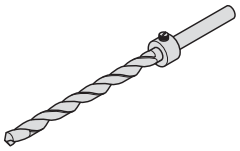
Mounting aids for drill-in hinges StarTec



For rebated doors



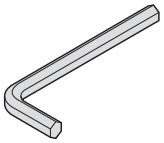
For flush doors



Drill bit Ø8.6 mm with adjusting ring



Hexagonal socket bit



Allen key

Features

• For mounting drill-in hinge Cat. No. 922.24.490

Supplied with

2 Drilling jigs

1 Drill bit Ø8.6 with adjusting ring

1 Hexagon socket bit

1 Allen key

Version	Cat. No.
For rebated doors	922.24.805

Packing: 1 tool set

3

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

4 Door Closers

















Overhead position door closers





Door closer StarTec 4.9

Door closer GEZE 4.20

Rebate door closer 4.28

Concealed door closer StarTec 4.29

Concealed door closer GEZE 4.32

Electric door operator GEZE 4.34

Transom door closer StarTec 4.35

Overhead sliding door closer for lightweight sliding doors 4.36

Floor springs





Floor spring StarTec 4.37

Floor spring GEZE 4.38

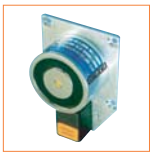
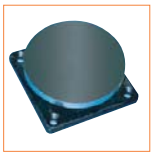
Accessories GEZE 4.42

Heavy duty floor spring 4.46

Accessories 4.47

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closers accessories

Door selector 4.49

Door co-ordinator 4.49

Magnetic door clamp with integrated circuit GEZE 4.50

Magnetic door clamp basic model GEZE 4.50

Magnetic door clamp floor mounting GEZE 4.50

Magnetic door clamp wall mounting GEZE 4.51

Counterplates GEZE 4.51

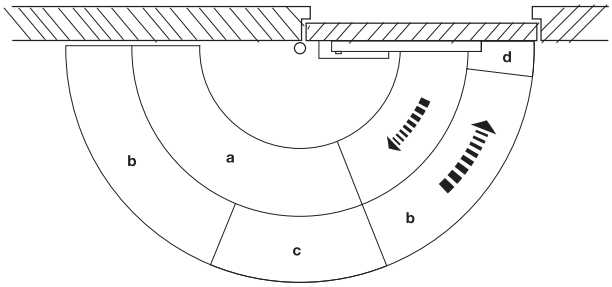
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer

The door closers in this catalogue are divided into the following groups:

- Overhead door closers with slide channel, arm or as concealed version
- Floor springs

Door closer functions in the door operating range



a Backcheck

With backcheck, the swing of a forcefully opened door (manually or for example by gusts of wind) is reduced. Damage to the door or wall are therefore minimised or eliminated.

b Closing speed

The exact setting of the closing speed guarantees a controlled Closing of the door leaf.

c Closing delay

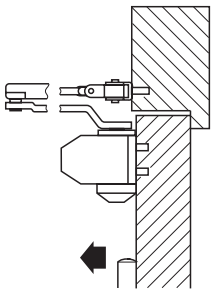
The closing delay increases the closing time so that, for example, persons carrying luggage or bulky items, to mothers with prams, elderly persons, etc. have sufficient time to walk through the door.

d Latching action

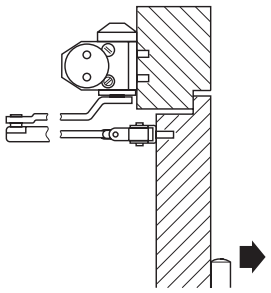
The latching action controls the closing of the door and ensures, the lock closes reliably. Therefore the door closer Increase the speed of the door. The hydraulic latching action is reducing the speed of the door achive a softer closing of the door.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

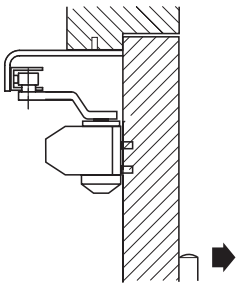
Fixing types



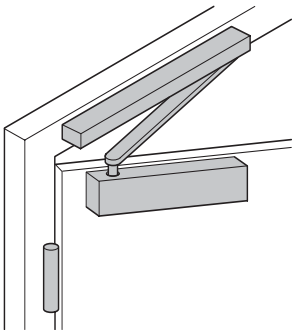
Standard installation
(Door leaf installation) on the pull side



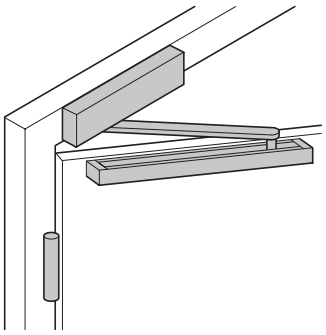
Overhead installation
(Transom fixing) on the push side



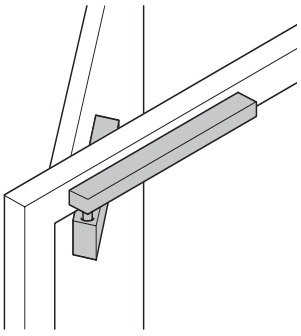
Parallel arm installation
On push side



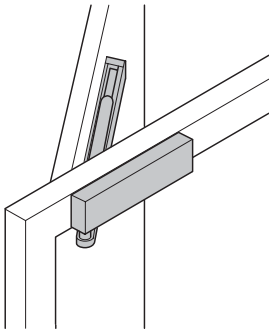
Standard installation
(Door leaf installation) on the pull side



Overhead installation
(Transom fixing) on the push side



Standard installation
(Door leaf installation) on the push side



Overhead installation
(Transom fixing) on the push side

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Standards relevant to the architectural hardware industry

Standards

There are two standards currently in existence for door closing devices:
EN 1154: 1997 - Mechanical closers
EN 1155; 1997 - Electronically controlled closers

These standards are shown in summary below and in detail at the back of this catalogue. Attention should be paid to Digit 3, which deals with the power size and door width. Where applicable we have shown the relevant classification code using DHF graphic icons in this section.

EN 1154: 1997 - Controlled door closing devices - requirements and test methods.

Scope - The standard covers all controlled surface mounted, concealed,or transom mounted closers as well as both single and double action floor springs.

Classification



Digit 1 - Category of use
For all internal and external doors for use by the public, and others,with little incentive to take care, i.e. where there is some chance of misuse of the door.
Grade **3**: For closing doors from at least 105° open
Grade **4**: For closing doors from 180° open
Note 1: Grade 4 classification assumes standard installation according to the manufacturer's instructions.
Note 2: For applications subject to extremes of abuse, or for particular limitations of opening angle, door closers incorporating backcheck function or provision of a separate door stop should be considered.



Digit 2 - Number of test cycles
Only one test duration is identified for the door closing device manufactured to this standard: Grade **8**: 500,000 cycles



Digit 4 - Fire behaviour
Two grades of fire behaviour are identified for door closing devices manufactured to this standard:
Grade **0**: Not suitable for use on fire/smoke door assemblies
Grade **1**: Suitable for use on fire/smoke door assemblies, subject to satisfactory assessment of the contribution of the emergency device to the fire resistance of specified fire/smoke door assemblies



Digit 5 - Safety
All door closers are required to satisfy the Essential Requirement of safety in use contained In the Construction Products Directive by the EU. Therefore only Grade **1** is identified



Digit 3 - Test door mass/size
Seven test door mass grades and related door closer power sizes are identified according to below table of this standard. Where a door closer provides a range of power sizes both the minimum and maximum sizes shall be identified.

TEST DOOR MASS AND RECOMMENDED DOOR WIDTHS		
Power size of closer	Max. mass of hinged leaf	Width of test door leaf
1	20 kg	<750 mm
2	40 kg	850 mm
3	60 kg	950 mm
4	80 kg	1,100 mm
5	100 kg	1,250 mm
6	120 kg	1,400 mm
7	160 kg	1,600 mm



Digit 6 - Corrosion resistance
Five grades are identified according to EN 1670:
Grade **0**: No defined corrosion resistance
Grade **1**: Low resistance
Grade **2**: Moderate resistance
Grade **3**: High resistance
Grade **4**: Very high resistance

Example

The following marking denotes a closer capable of opening to at least 105°, and with a range of power sizes from size 2 to size 5. Note that as the 4 th digit is zero, such a closer would not be suitable for fire door use.

:3:8:2/5:0:1:0:

EN 1154



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fire resisting doors

EN 1154 makes the following recommendations as to the feature considered necessary for such devices when they are fitted to fire and smoke resisting doors.

a) The door closer when installed in accordance with the manufacturer's installation instruction shall be capable of closing the test door from any angle to which it may be opened.

b) Due to their low closing moments, door closers sizes 1 and 2 are not considered suitable for use on fire/smoke resisting door assemblies. Door closers with adjustable closing force shall be capable of adjustment to at least power size 3.

c) The door closer shall not include a hold open device unless it is electrically powered device in accordance with **EN 1155.**

d) Control regulators shall be either concealed or operable only by means of a tool.

e) The design of a door closer shall be such that it is not possible to inhibit its closing action in any way without the use of a tool.

f) Any incorporated delayed action function shall be capable of adjustment to less than 25 seconds between the door closing angle of 120° and the end of the delay zone.

g) The door closer representative of its model shall have been incorporated in a door assembly that has satisfied the appropriate criteria of a fire test. The test shall have been on a full size assembly in accordance with **EN 1634-1.**

EN 1155: 1997 - Electrically powered hold open devices for swing doors - requirements and test methods

Scope

The standard specifies requirements for separate electrically powered hold-open devices and also for hold-open mechanisms incorporated in a door closer. Whilst these devices may incorporate smoke or fire detection elements, the performance of these particular elements is outside the scope of **EN 1155.**

Classification

3 (3)

Digit 1 - Category of use

Only one category of use is identified for electrically powered hold-open devices.

Grade **3**: For all internal and external doors for use by the public,and others, with little incentive to take care, i.e. where there is some chance of misuse of the door.

8 (5/8)

Digit 2 - Number of test cycles

Two test durations are identified for devices manufactured to this European standard:

Grade **5**: 50,000 cycles. For all stand alone electrically powered hold open devices

Grade **8**: 500,000 cycles. For all stand alone electrically powered hold open and free-swing door closers and devices that contain operating arms.

1 (3-7)

Digit 3 - Test door mass/size

Five test door mass grades and related hold-open power sizesare identified according to below table of this standard. Where an electrically powered hold-open device is suitable for a range of power sizes both the minimum and the maximum sizes shall be identified.

TEST DOOR MASS AND RECOMMENDED DOOR WIDTHS		
Hold-open power size	Max. mass of hinged leaf kg	Width of test door leaf mm
3	60 kg	950 mm
4	80 kg	1,100 mm
5	100 kg	1,250 mm
6	120 kg	1,400 mm
7	160 kg	1,600 mm

1 (1)

Digit 4 - Fire behaviour

Only one grade of fire resistance is identified for the electrically powered hold-open devices

Grade **1**: Suitable for use on fire/smoke door assemblies, subject to satisfactory assessment of the contribution of the emergency device to the fire resistance of specified fire/smoke door assemblies.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Digit 5 - Safety

All electrically powered hold-open devices are required to satisfy the Essential Requirement of safety in use contained in the Construction Products Directive, issued by the EU. Therefore only Grade **1** is identified.

Digit 6 - Corrosion resistance

Five grades of corrosion resistance are identified according to **EN 1670**:

Grade **0**: No defined corrosion resistance
Grade **1**: Low resistance
Grade **2**: Moderate resistance
Grade **3**: High resistance
Grade **4**: Very high resistance

Example

The following marking denotes an electrically powered hold-open device suitable for a range from power size 3 to power size 6.

:3:5:3/6:1:1:0:



CE conformity

Where a door closing device has a CE certificate of conformity, this will be shown thus. It is stated in 8300 that all fire doors must have closing devices that are CE marked.

Fire resistance and smoke control

F Tested for fire resistant and smoke control doors.

The use of a hold-open device on fire resistant and smoke control doors are not permitted or they are not tested for resistant and smoke control doors

We give below a guide to the terminology used in connection with door closing devices.

Backcheck

A device built into the closer that checks the outward swing of the door. The backcheck damping is inversely proportional to the speed of the outward swing of the door. It should not be regarded as a door stop.

Closing speed

The speed with which the door is closed. Normally adjustable.

Closing force

The power that the closer exerts to close the door. Measured in the EN standard from 1-6. See table below.

Size	Max. door width mm	Min. closing moments N.m
1	750	9
2	850	13
3	950	18
4	1100	26
5	1250	37
6	1400	54

It should be noted that size 3 is the minimum requirement for fire doors.

Latching action

The door movement becomes accelerated in the last few degrees of closing, in order to be able to overcome any resistance, such as seals, latch bolts, etc.

Delayed action

The closing speed of the door is reduced to minimal or the door stops, for a preset period, to allow passers-by sufficient time to pass through the door opening. i.e. Elderly persons, Hospital staff with beds, etc.

Hold open

This is a device to enable the closer to be held in the open position, usually at 90º, but some are variable in the opening degree. These closers must not be used on fire doors. (except where they are electronically controlled to close when the fire alarm is sounded).

Door stops

Always use a door stop, where practicable, whether a closer has a backcheck or not. This may take the form of a floor mounted version, wall/skirting mounted version or built-in as found with guide rail closers. The positioning of the stop is also important, and must be at least 66% (2/3rds) the door width away from the hinge, otherwise the stop acts as a fulcrum and could damage the door, the frame and the hinges. Where there is a maximum angle of opening stated the stop must be positioned at that point, otherwise damage to the closer will occur.

Note

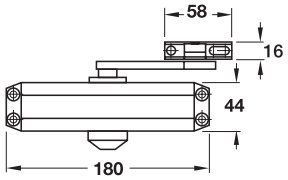
Please ensure that the correct closing device is the appropriateone for the job it is intended to do and that it is the correct size. Too many closers are under specified, purely in an effort to reduce costs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer DCL 11 StarTec

EN 1154



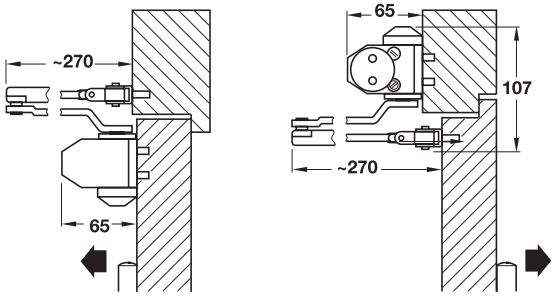


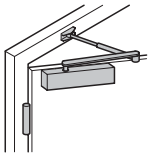
Features

- Tested to EN 1154
- Tested to confirm with CE requirements
- Hydraulic latching action valve adjustable
- Closing speed valve adjustable
- Suitable for DIN right hand and DIN left hand

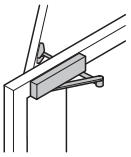
Technical data

Closing force size	EN3
Door width size	850–950 mm
Max. door weight	60 kg
Max. door opening angle	Approx. 180°
Hold open angle	70–145°





Standard installation
(door leaf installation) on pull side



Overhead installation
(transom fixing)on push side

Version		Silver colour
DCL 11 with standard arm	F	931.84.649
DCL 11 with hold-open arm		931.84.659

Packing: 1 pc.

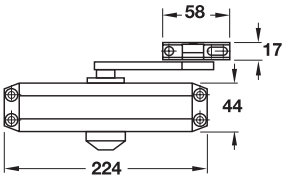
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

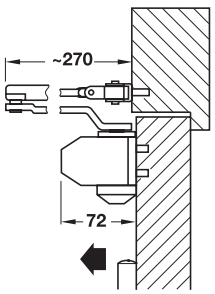
Door closer HS 950 StarTec

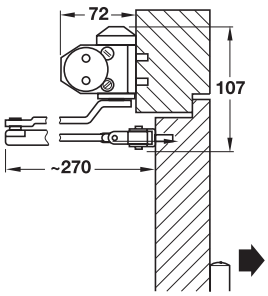
EN 1154









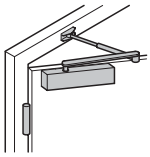


Features

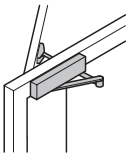
- Hydraulic latching action valve adjustable
- Closing speed valve adjustable
- Suitable for DIN right hand and DIN left hand
- Closing force according to EN 1154

Technical data

Closing force size	EN3
Door width size	850–950 mm
Max. door weight	60 kg
Max. door opening angle	Approx. 180°
Hold opening angle	Approx. 90°



Standard installation
(door leaf installation) on pull side



Overhead installation
(transom fixing)on push side

Version		Silver colour
HS 950 with standard arm		931.89.029
HS 950 with hold-open function		931.89.039

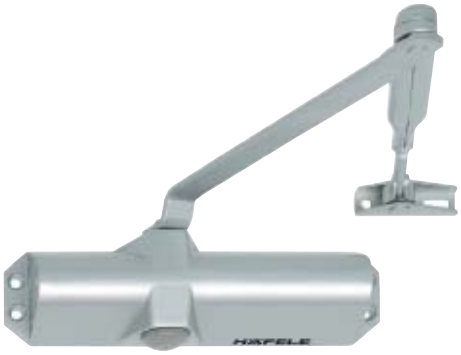
Packing: 1 pc.

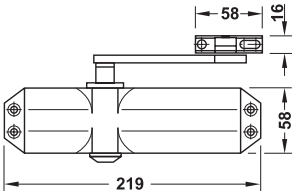
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

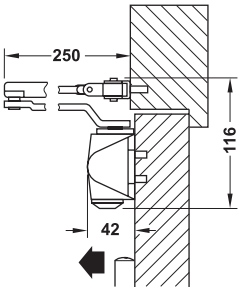
Door closer DCL 110 StarTec

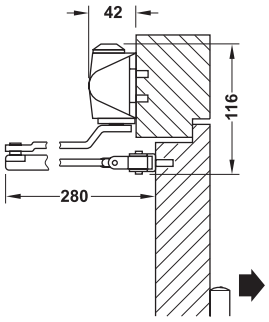
EN 1154

4 (3/4)	8 (8)	3 (1-7)	0 (0/1)	1 (1)	3 (0-4)







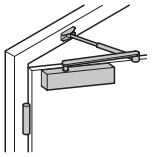


Features

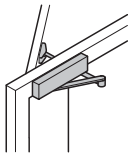
- Latching action valve adjustable
- Closing speed valve adjustable
- Backcheck valve adjustable
- Suitable for DIN right hand and DIN left hand
- Closing force acccording to EN 1154

Technical data

Closing force size	EN3
Door width size	850–950 mm
Max. door weight	60 kg
Max. door opening angle	180°
Hold open angle	70–145°



Standard installation
(door leaf installation) on pull side



Overhead installation
(transom fixing)on push side

Version		Silver colour
DCL 110 with standard arm	☒	931.84.229
DCL 110 with hold-open arm	☒	931.84.239

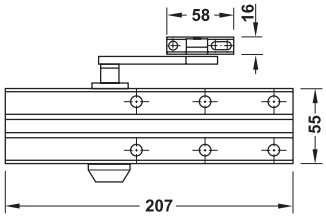
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer DCL 15 StarTec

EN 1154





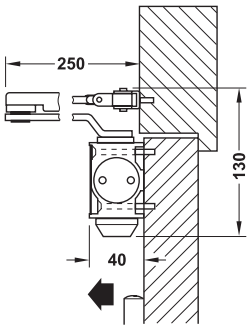
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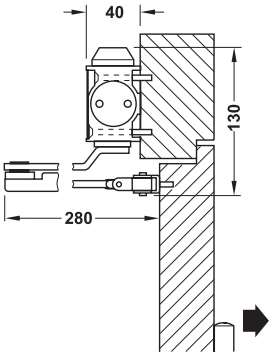
Features

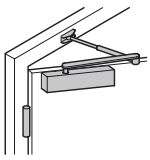
- Tested to EN 1154
- Tested to conform with CE requirements
- Variable closing force by installation position of body
- Hydraulic latching action valve adjustable
- Closing speed valve adjustable
- On request available with backcheck
- Suitable for DIN right hand and DIN left hand

Technical data

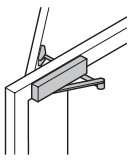
Closing force size	EN2–EN4
Door width size	750–1,100 mm
Max. door weight	80 kg
Max. door opening angle	Approx. 180°
Hold open angle	70–150°



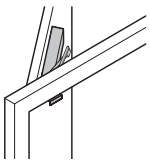




Standard installation
(door leaf installation)
on pull side



Overhead installation
(transom fixing)
on push side



Parallel arm installation
On push side

Version		Silver colour
DCL 15 with standard arm	F	931.84.629
DCL 15 with hold-open arm		931.84.639

Packing: 1 pc.

Order reference

Parallel arm bracket .....page 4.26

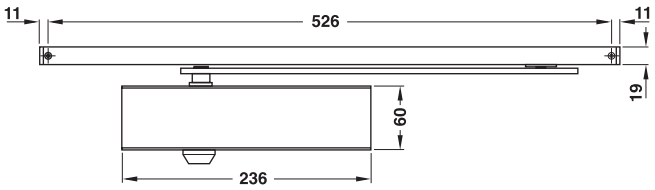
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer DCL 21 StarTec

EN 1154

4 (3/4)	8 (8)	2/4 (1-7)	0 (0/1)	1 (1)	3 (0-4)



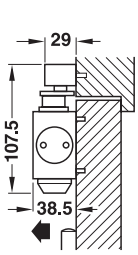


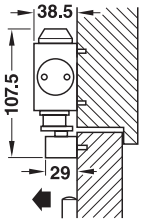
Features

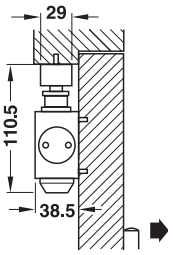
- Variable closing force by installation position of body
- Hydraulic latching action valve adjustable
- Closing speed valve adjustable
- With fixed backcheck
- With interlocking hold-open device
- Suitable for DIN right hand and DIN left hand
- Closing force according to EN 1154

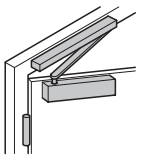
Technical data

Closing force size	EN2–EN4
Door width size	750–1,100 mm
Max. door weight	80 kg
Max. door opening angle	Approx. 140°
Hold open angle	70–140°

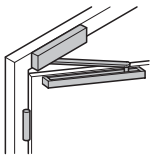




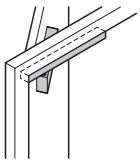




Standard installation
(door leaf installation)
on pull side



Overhead installation
(transom fixing)
on push side



Parallel arm installation
On push side

Version		Silver colour
DCL 21 with hold-open function	☒	931.84.129

Packing: 1 pc.

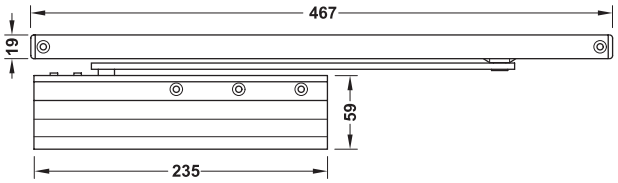
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer DCL 83 StarTec

EN 1154

4 (3/4)	8 (8)	2/4 (1-7)	1 (0/1)	1 (1)	3 (0-4)





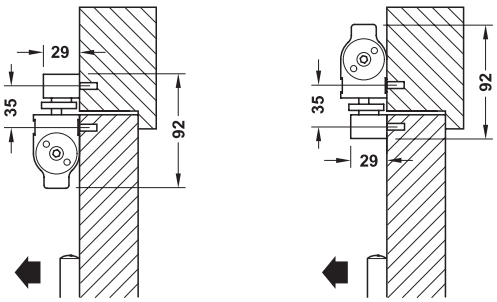
OUTSTANDING QUALITY

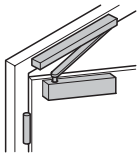
Features

- Tested to EN 1154
- Tested to conform with CE requirements
- Closing force valve adjustable
- Latching action valve adjustable
- Closing speed valve adjustable
- Suitable for DIN right hand and DIN left hand
- Closing force according to EN 1154

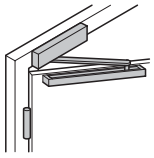
Technical data

Closing force size	EN2–EN4
Door width size	750–1,100 mm
Max. door weight	80 kg
Max. door opening angle	115°
Max. hold open angle	115°





Standard installation
(door leaf installation) on pull side



Overhead installation
(transom fixing)on push side

Version		Silver colour
DCL 83 without hold-open function	F	931.84.289
DCL 83 with hold-open function		931.84.299

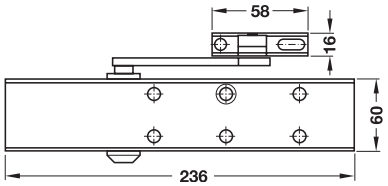
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer DCL 51 StarTec

EN 1154



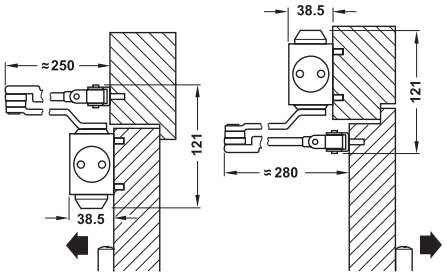


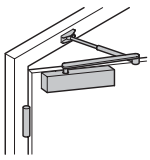
Features

- Tested to EN 1154
- Tested to conform with CE requirements
- Closing force adjustable by valve
- Hydraulic latching action valve adjustable
- Closing speed valve adjustable
- Backcheck valve adjustable

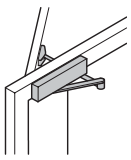
Technical data

Closing force size	EN2–EN5
Door width size	750–1,250 mm
Max. door weight	100 kg
Max. door opening angle	Approx. 180°
Hold open angle	70–150°

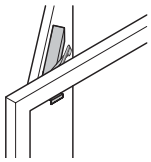




Standard installation
(door leaf installation)
on pull side



Overhead installation
(transom fixing)
on push side



Parallel arm installation
On push side

Version		Silver colour	Stainless steel matt	Brass polished
DCL 51 with standard arm	F	931.84.829	931.84.820	931.84.828
DCL 51 with hold-open arm		931.84.669	931.84.660	931.84.668

Packing: 1 pc.

Order reference

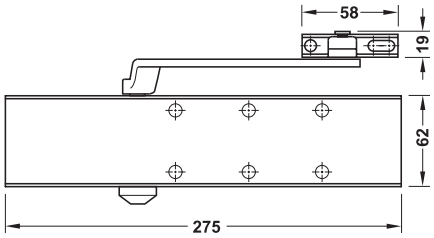
Parallel arm bracket .....page 4.26

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer DCL 55 StarTec

EN 1154





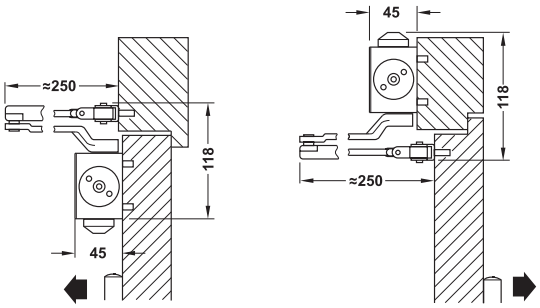
4

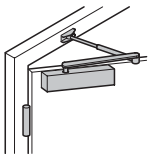
Features

- Tested to EN 1154
- Tested to conform with CE requirements
- Closing force adjustable by valve
- Hydraulic latching action valve adjustable
- Closing speed valve adjustable
- Backcheck valve adjustable
- Suitable for DIN right hand and DIN left hand

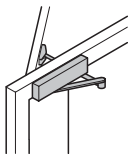
Technical data

Closing force size	EN2–EN6
Door width size	750–1,400 mm
Max. door weight	120 kg
Max. door opening angle	180°
Hold open angle	70–150°





Standard installation
(door leaf installation) on pull side



Overhead installation
(transom fixing)on push side

Version		Silver colour
DCL 55 with standard arm	F	931.84.769
DCL 55 with hold-open arm		931.84.819

Packing: 1 pc.

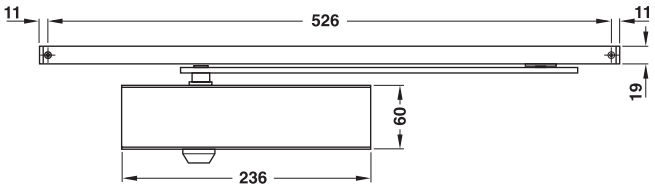
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer DCL 61 StarTec

EN 1154

3 (3/4)	8 (8)	2/4 (1-7)	0 (0/1)	1 (1)	3 (0-4)



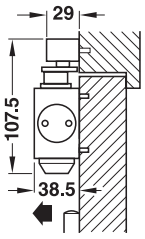


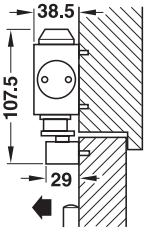
Features

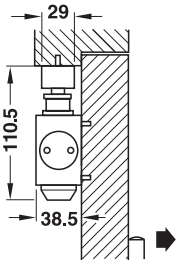
- Closing force valve adjustable
- Hydraulic latching action valve adjustable
- Closing speed valve adjustable
- Backcheck valve adjustable
- Closing force according to EN 1154

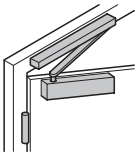
Technical data

Closing force size	EN2–EN4
Door width size	750–1,100 mm
Max. door weight	80 kg
Max. door opening angle	Approx. 140°
Hold open angle	70–120°

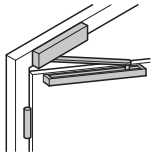




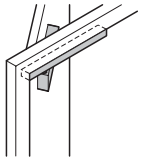




Standard installation
(door leaf installation)
on pull side



Overhead installation
(transom fixing)
on push side



Parallel arm installation
On push side

Version		Silver colour	Stainless steel matt	Brass polished
DCL 61 without hold-open function	☒	931.84.139	931.84.130	931.84.138
DCL 61 with hold-open function	☒	931.84.119	931.84.110	931.84.118

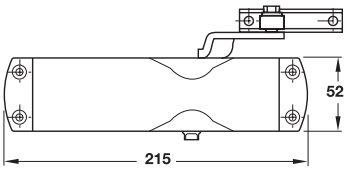
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer TS 1000 GEZE

EN 1154



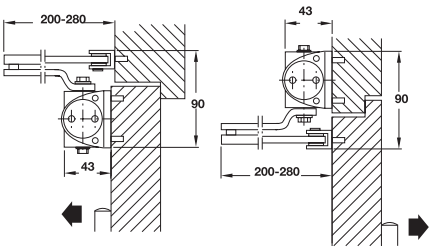


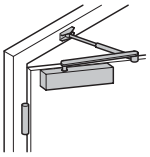
Features

- Tested to EN 1154
- Tested to confirm with CE requirements
- Variable closing force with arm assembling
- Latching action valve adjustable
- Closing speed valve adjustable
- Suitable for DIN right hand and DIN left hand

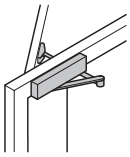
Technical data

Closing force size	EN2–EN3
Door width size	750–950 mm
Max. door weight	80 kg
Max. door opening angle	180°
Hold open angle	70–150°





Standard installation
(door leaf installation) on pull side



Overhead installation
(transom fixing)on push side

Version		Silver colour
TS 1000 with standard arm	F	931.16.909
TS 1000 with hold-open arm	☒	931.16.919

Packing: 1 pc.

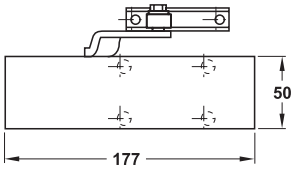
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer TS 1500 GEZE

EN 1154





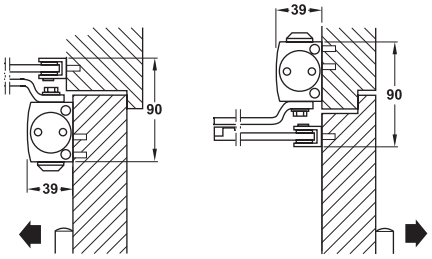


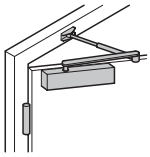
Features

- Tested to EN 1154
- Tested to conform with CE requirements
- Variable closing force with arm assembling
- Latching action valve adjustable
- Closing speed valve adjustable
- On request available with backcheck
- Suitable for DIN right hand and DIN left hand

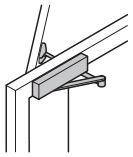
Technical data

Closing force size	EN3–EN4
Door width size	850–1,100 mm
Max. door weight	85 kg
Max. door opening angle	Approx. 180°
Hold open angle	70–150°





Standard installation
(door leaf installation) on pull side



Overhead installation
(transom fixing)on push side

Version		Silver colour	Dark bronze	White RAL 9016
Set TS 1500 with standard arm	F	**931.16.859**	**931.16.851**	**931.16.857**
Basic closer		931.16.629	931.16.621	931.16.627
Standard arm		931.16.679	931.16.671	931.16.677
Set TS 1500 with hold-open arm	F	**931.16.869**	**931.16.861**	**931.16.867**
Basic closer		931.16.629	931.16.621	931.16.627
Hold-open arm		931.16.689	931.16.681	931.16.687

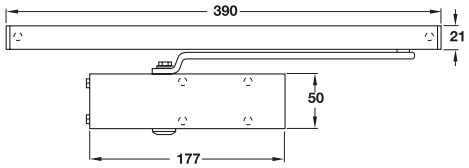
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer TS 1500G GEZE

EN 1154





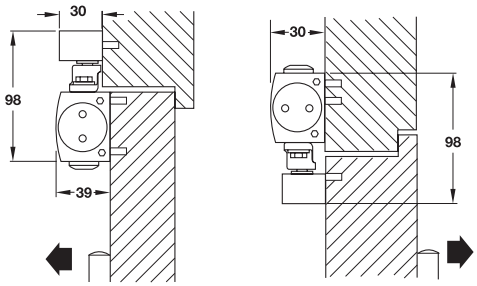


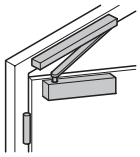
Features

- Latching action valve adjustable
- Closing speed valve adjustable
- On request available with backcheck
- Suitable for DIN right hand and DIN left hand
- Closing force according to EN 1154

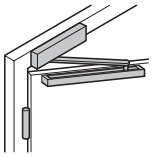
Technical data

Closing force size	EN2
Door width size	750–850 mm
Max. door weight	85 kg
Max. door opening angle	Approx. 130°
Hold open angle	70–150°





Standard installation
(door leaf installation) on pull side



Overhead installation
(transom fixing)on push side

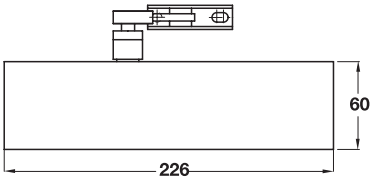
Version		Silver colour	Dark bronze	White RAL 9016
Set TS 1500G without hold-open function Consisting of:		**931.16.879**	**931.16.871**	**931.16.877**
Basic closer	☒	931.16.629	931.16.621	931.16.627
Sliding channel		931.16.749	931.16.741	931.16.747
Set TS 1500G with hold-open function Consisting of:		**931.16.889**	**931.16.881**	**931.16.887**
Basic closer	☒	931.16.629	931.16.621	931.16.627
Sliding channel		931.16.749	931.16.741	931.16.747
Interlocking hold-open device		931.16.710	931.16.710	931.16.710

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer TS 2000V GEZE

EN 1154



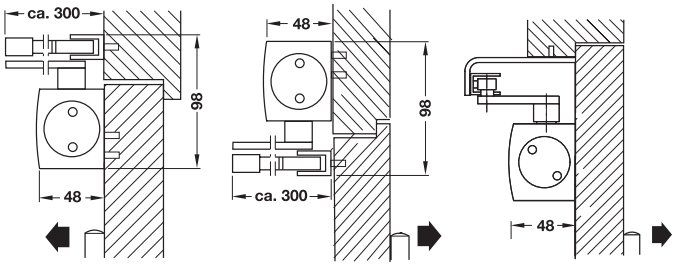


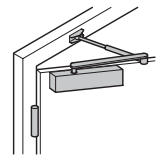
Features

- Tested to EN 1154
- Tested to confirm with CE requirements
- Variable closing force due to offset installation(size EN2/EN4/EN5)
- Closing speed valve adjustable
- Latching action adjustment via an arm assembly
- Suitable for DIN right hand and DIN left hand

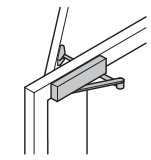
Technical data

Closing force size	EN2–EN5
Door width size	750–1,250 mm
Max. door weight	120 kg
Max. door opening angle	Approx. 180°
Hold open angle	70–150°

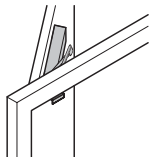




Standard installation
(door leaf installation)
on pull side



Overhead installation
(transom fixing)
on push side



Parallel arm installation
On push side

Version		Silver colour	Dark bronze	White RAL 9016
Set TS 2000V with standard arm Consisting of:		**931.16.599**	**931.16.591**	**931.16.597**
Basic closer	F	931.16.139	931.16.131	931.16.137
Standard arm		931.16.239	931.16.231	931.16.237
Set TS 2000V with hold-open arm Consisting of:		**931.16.929**	**931.16.921**	**931.16.927**
Basic closer	☒	931.16.139	931.16.131	931.16.137
Hold-open arm		931.16.259	931.16.251	931.16.257

Order reference

Parallel arm bracket .....page 4.26

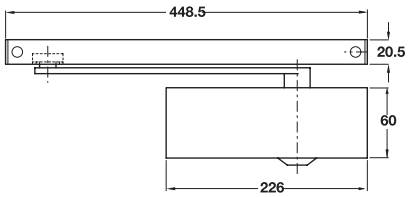
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer TS 2000VG GEZE

EN 1154





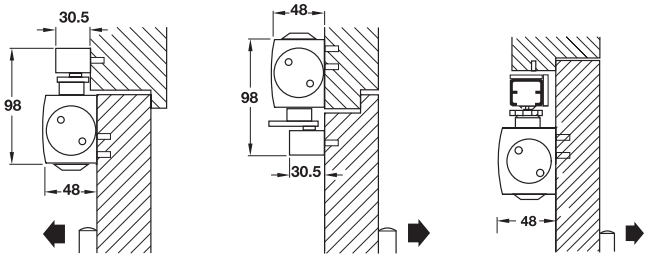


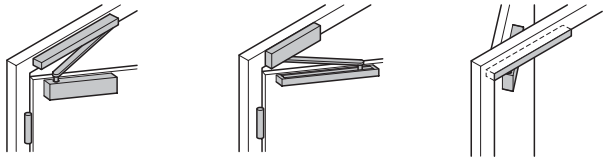
Features

- Tested to EN 1154
- Tested to confirm with CE requirements
- Variable closing force due to offset installation (size EN2 and EN3)
- Closing speed valve adjustable
- Optional whit hold-open device (not fire rated)
- Suitable for DIN right hand and DIN left hand

Technical data

Closing force size	EN2–EN3
Door width size	750–950 mm
Max. door weight	120 kg
Max. door opening angle	Approx. 130°
Hold open angle	80–130°





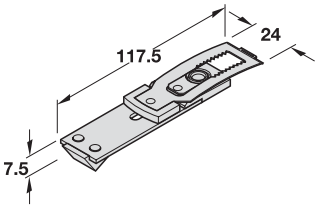
Standard installation (door leaf installation) on pull side

Overhead installation (transom fixing) on pull side

Transom fixing on push side

Version		Silver colour	Dark bronze	White RAL 9016
Basic closer	F	931.16.139	931.16.131	931.16.137
Sliding channel		931.11.179	931.11.171	931.11.177

Interlocking hold-open device for TS 2000VG GEZE



Features

- Not to be used an fire doors
- Allows infinitely variable hold open between 80°–130°

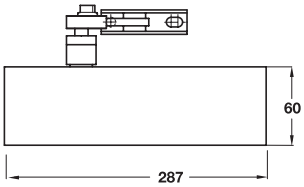
Version	Cat. No.
For retrospective installation in the slide channel	931.10.110

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer TS 4000 GEZE

EN 1154



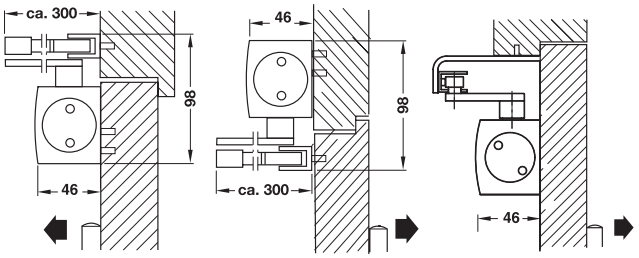


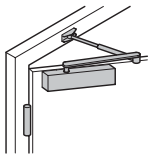
Features

- Tested to EN 1154
- Tested to confirm with CE requirements
- Closing force valve adjustable
- Closing speed valve adjustable
- With backcheck valve adjustable
- Latching action adjustment via an arm assembly
- Suitable for DIN right hand and DIN left hand
- Optical indicator for closing force

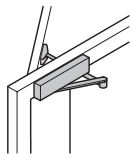
Technical data

Closing force size	EN1–EN6
Door width size	650–1,400 mm
Max. door weight	200 kg
Max. door opening angle	Approx. 180°
Hold open angle	70–150°

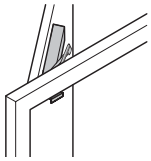




Standard installation (door leaf installation) on pull side



Overhead installation (transom fixing) on pull side



Transom fixing on push side

Version		Silver colour	Dark bronze	White RAL 9016
Set TS 4000 with standard arm Consisting of:		**931.16.579**	**931.16.571**	**931.16.577**
Basic closer	F	931.16.029	931.16.021	931.16.027
Standard arm		931.16.239	931.16.231	931.16.237
Set TS 4000 with hold-open arm Consisting of:		**931.16.589**	**931.16.581**	**931.16.587**
Basic closer	☒	931.16.029	931.16.021	931.16.027
Hold-open arm		931.16.259	931.16.251	931.16.257

Order reference

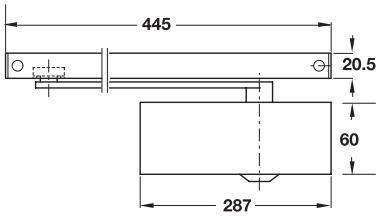
Parallel arm bracket .....page 4.26

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer TS 4000G GEZE

EN 1154



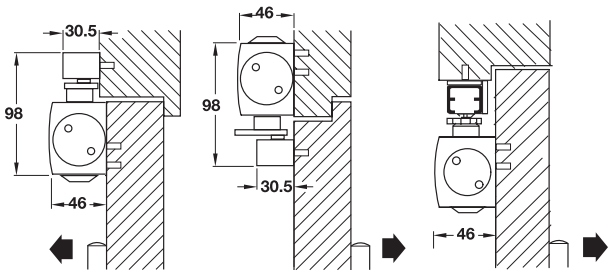


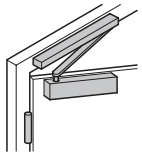
Features

- Tested to EN 1154
- Tested to confirm with CE requirements
- Closing force valve adjustable
- Closing speed valve adjustable
- With backcheck valve adjustable
- Suitable for DIN right hand and DIN left hand
- Optical indicator for closing force

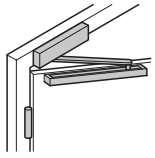
Technical data

Closing force size	EN 1–EN5
Door width size	650–1,250 mm
Max. door weight	200 kg
Max. door opening angle	Approx. 130°

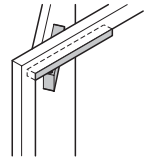




Standard installation (door leaf installation) on pull side



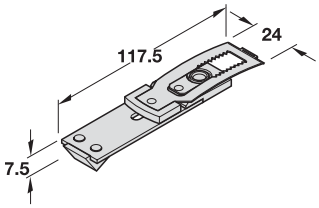
Overhead installation (transom fixing) on pull side



Transom fixing on push side

Version		Silver colour	Dark bronze	White RAL 9016
Basic closer	F	931.16.029	931.16.021	931.16.027
Sliding channel		931.11.179	931.11.171	931.11.177

Interlocking hold-open device for TS 4000G GEZE



Features

- Not to be used an fire doors
- Allows infinitely variable hold open between 80°–130°

Version	Cat. No.
For retrospective installation in the slide channel	931.10.110

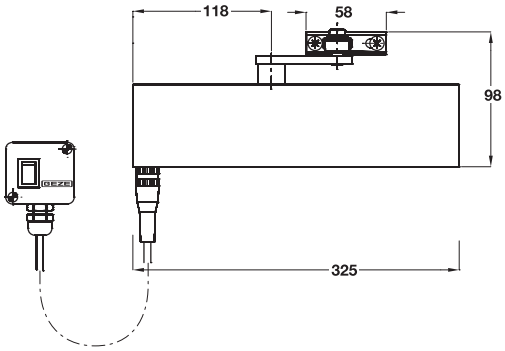
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

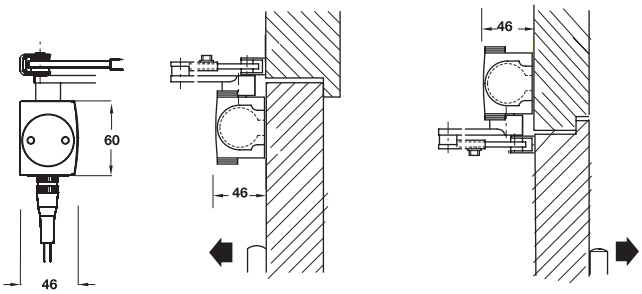
Door closer TS 4000E GEZE

EN 1155

3 (3/4)	8 (8)	1/6 (1-7)	1 (0/1)	1 (1)	4 (0-4)

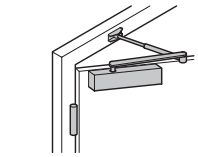




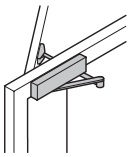


Features

- Tested to EN 1154 and EN1155
- Tested to confirm with CE requirements
- When voltage applied to closer - the door hold open
- Voltage off - door close automatically
- The door can be closed manually at any time regardless of whether the voltage is applied or not
- Closing speed and closing force is valve adjustable from the front
- Latching action adjustable via arm assembling
- Suitable for DIN right hand and DIN left hand
- Optical indicator for closing force
- Operating voltage 24V DC ±10%
- Enclosure rating IP43



Standard installation
(door leaf installation) on pull side



Overhead installation
(transom fixing)on push side

Version		Cat. No.
Door closer TS 4000E	F	931.16.559

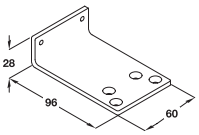
Packing: 1 pc.

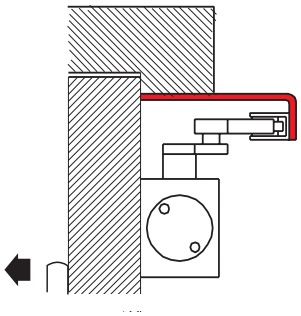
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Accessories

Parallel arm bracket



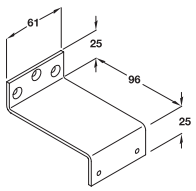


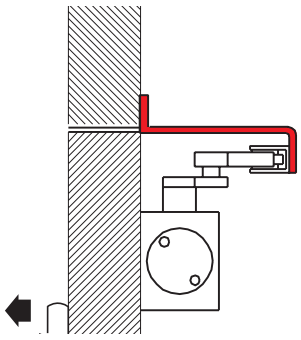


Version	Finish	Cat. No.
For TS 2000/TS 4000	Silver coloured	931.16.329
For DCL 11/DCL 15/DCL 51		931.84.900

Overpanel bracket

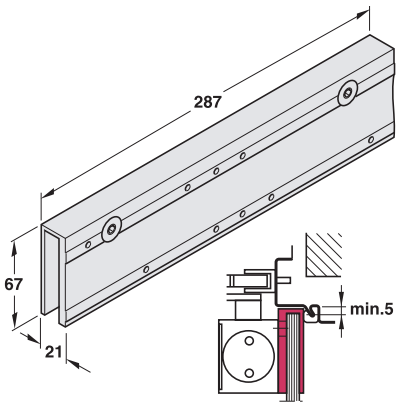






Version	Finish	Cat. No.
For TS 2000/TS 4000	Silver coloured	931.16.449

Clamping plate for all-glass doors for TS 2000

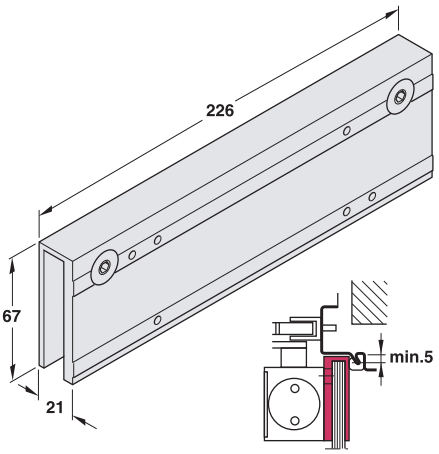


Features

- For installation of door closer to all-glass doors
- For max. 10 mm glass thickness

Finish	Cat. No.
Silver coloured	931.16.379

Clamping plate for all-glass doors for TS 4000



Features

- For installation of the door closer to all-glass doors
- For max. 10 mm glass thickness

Finish	Cat. No.
Silver coloured	931.16.311

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Overhead door closer

EN 1154



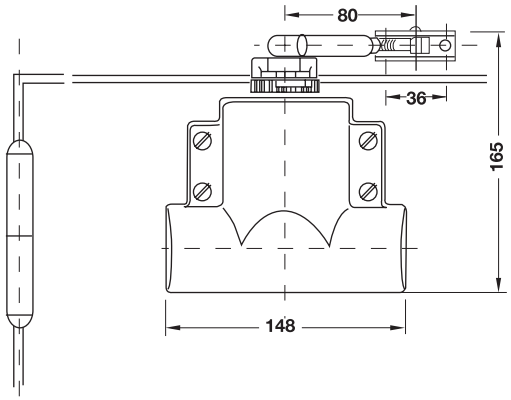


Features

- Latching action valve adjustable
- Closing speed valve adjustable
- Optional with hold open arm
- Closingforce according to EN 1154

Technical data

Closing force size	EN3
Door width size	Max. 950 mm
Max. door opening angle	Approx. 180°



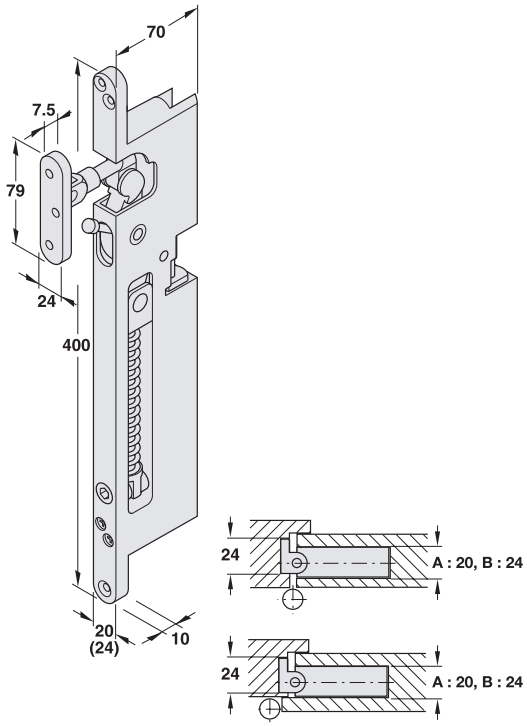
Version		Finish	DIN left hand	DIN right hand
With standard arm	☒	Dark bronze	931.26.321	931.26.331
With hold-open arm	☒		931.26.341	931.26.351

Order reference

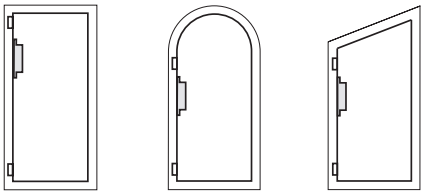
Door closer sizes EN2–EN6 are available on request.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Rebate door closer



Dimensions in brackets are valid for version B.



Installation

- Concealed installation on the pull side in the vertical door rebate below the upper door hinge
- By max. door opening a door stopper must be used

Features

- Rebate door closer
- For flush and rebated single action doors
- Size adjustment by adjusting the closing force from the front when the door is open
- Variably adjustable closing speed
- Door strike can be switched off
- Suitable for DIN right hand and DIN left hand

Technical data

	A	B
Max. door leaf width	1,100 mm	1,250 mm
Max. door opening angle	Approx. 140°	Approx. 140°
Max. door leaf weight	80 kg	140 kg
Min. door panel thickness	30 mm	40 mm
Latching action from	Approx. 7°	Approx. 7°

Version	Cat. No.
A	931.24.000
B	931.24.010

Packing: 1 pc. (supplied with fixing screws)

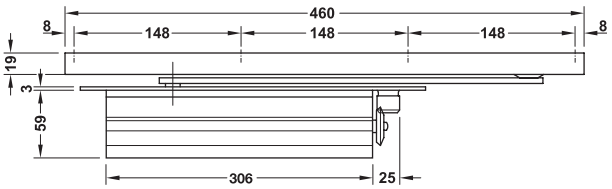
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

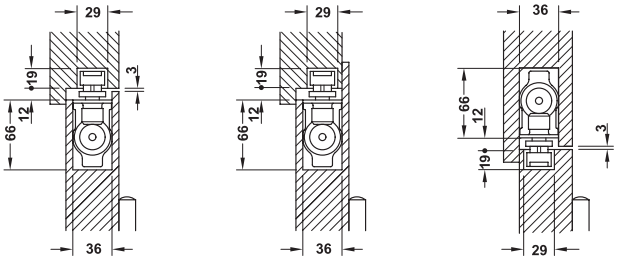
New products and systems: www.hafele.com

Door closer DCL 33 StarTec

EN 1154







Features

- Tested to EN 1154
- Cam-action
- Tested to confirm with CE requirements
- Door closer for concealed installation in the door leaf or frame
- Closing force valve adjustable
- Hydraulic latching action valve adjustable
- Closing speed valve adjustable
- Suitable for DIN right hand and DIN left hand

Technical data

Closing force size	EN2–EN4
Door width size	750–1,100 mm
Max. door weight	80 kg
Max. door opening angle	115°
Max. hold open angle	115°
Min. door panel thickness	42 mm

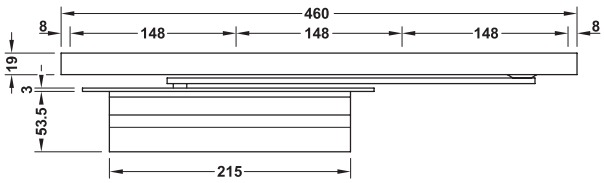
Version		Silver coloured
DCL 33 without hold open function	F	931.84.039
DCL 33 with hold-open function		931.84.269

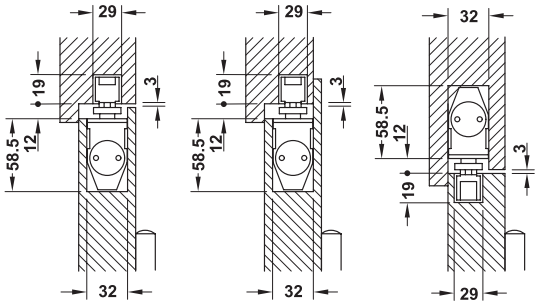
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door closer DCL 34 EN3 StarTec

EN 1154







Features

- Tested to EN 1154
- Tested to confirm with CE requirements
- Door closer for concealed installation in the door leaf or frame
- Hydraulic latching action valve adjustable
- Closing speed valve adjustable
- Suitable for DIN right hand and DIN left hand

Technical data

Closing force size	EN3
Door width size	850–950 mm
Max. door weight	60 kg
Max. door opening angle	120°
Max. hold open angle	115°
Min. door panel thickness	40 mm

Version		Silver coloured
DCL 34 without hold-open function	F	931.84.049
DCL 34 with hold-open function		931.84.279

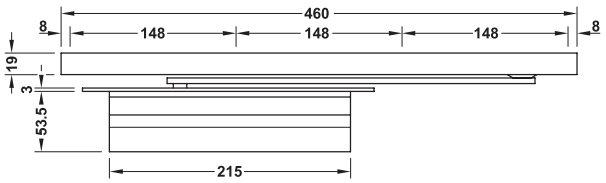
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

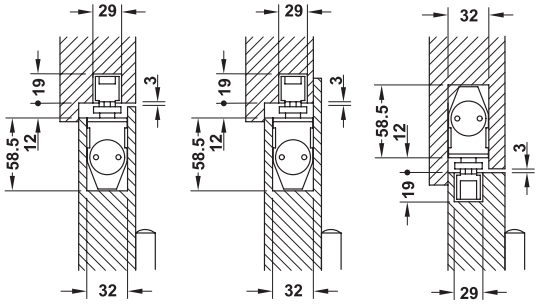
Door closer DCL 34 EN4 StarTec

EN 1154









Features

- Door closer for concealed installation in the door leaf or frame
- Hydraulic lathcing action valve adjustable
- Closing speed valve adjustable
- Suitable for DIN right hand and DIN left hand

Technical data

Closing force size	EN4
Door width size	950–1,100 mm
Max. door weight	80 kg
Max. door opening angle	120°
Max. hold open angle	115°
Min. door panel thickness	40 mm

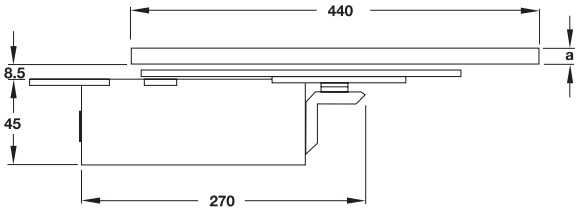
Version		Silver coloured
DCL 34 without hold-open function	☒	931.84.059
DCL 34 with hold-open function	☒	931.84.339

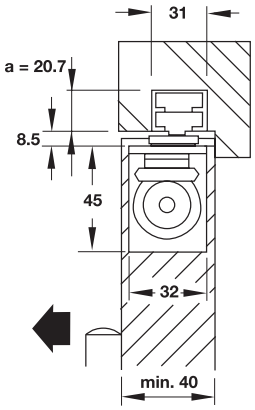
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Concealed door closer Boxer 2V GEZE

EN 1154







Features

- Tested to EN 1154
- Tested to confirm with CE requirements
- Door closer for concealed installation in the door leaf and frame
- Closing force valve adjustable
- Latching action valve adjustable
- Closing speed valve adjustable
- Backcheck valve adjustable
- Suitable for DIN right hand and DIN left hand
- Closingforce according to EN 1154

Technical data

Closing force size	EN2–EN4
Door width size	750–1,100 mm
Max. door weight	130 kg
Max. door opening angle	Approx. 120°
Min. door panel thickness	40 mm
Hold-open angle	80–120°

Version		Silver colour
Set Boxer 2V with interlocking hold-open device Consisting of:	F	931.14.069
Basic closer		931.14.129
Sliding channel with interlocking hold-open device		931.14.219

Note

Please take out the hold-open device of sliding channel when needing door closer version without hold-open function.

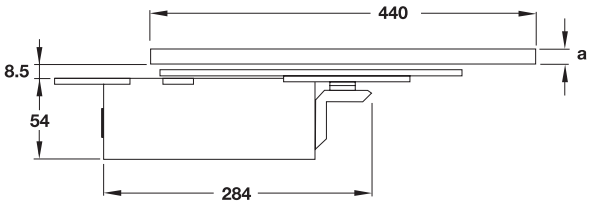
Please take out hold-open device when using for fire door.

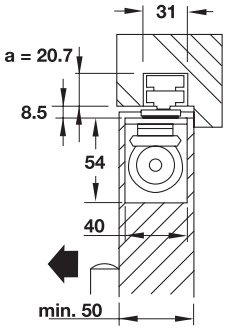
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Concealed door closer Boxer GEZE

EN 1154







Features

- Tested to EN 1154
- Tested to confirm with CE requirements
- Door closer for concealed installation in the door leaf and frame
- Closing force valve adjustable
- Latching action valve adjustable
- Closing speed valve adjustable
- Backcheck valve adjustable
- Suitable for DIN right hand and DIN left hand

Technical data

Closing force size	EN3–EN6
Door width size	950–1,400 mm
Max. door weight	180 kg
Max. door opening angle	Approx. 120°
Min. door panel thickness	50 mm
Hold-opening range	80–120°

Version		Silver colour
Set Boxer with interlocking hold-open device **Consisting of:**	F	931.14.349
Basic closer		931.14.119
Slide channel with interlocking hold-open device		931.14.219

Note

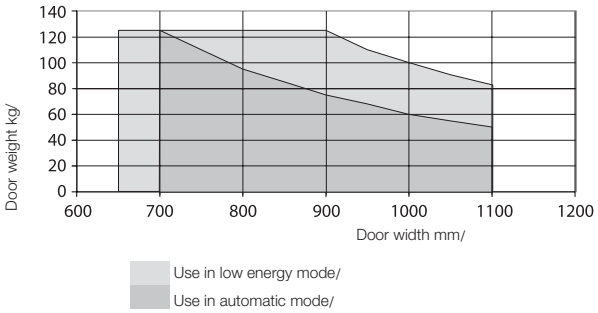
Please take out the hold-open device of sliding channel when needing door closer version without hold-open function.

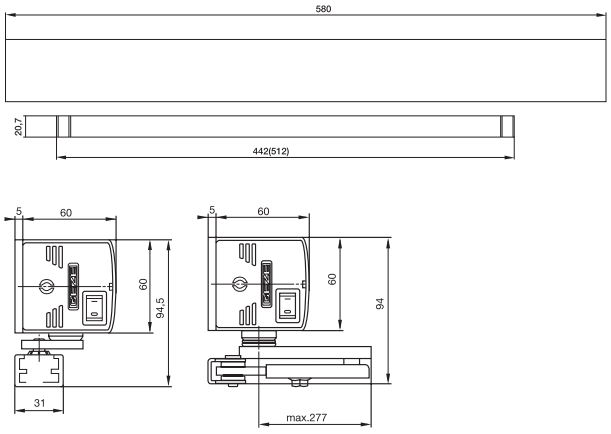
Please take out hold-open device when using for fire door.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Electric door operator GEZE ECturn







4

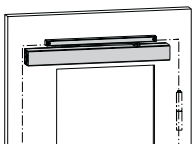
Features

- Able to select operation modes “low energy”, “automatic” and “automatic with push and go function”
- Durability 500,000 test cycles
- Accordance with DIN 18650
- In automatic mode operation can be adjustable
- Fully open door position adjustable

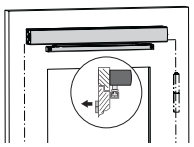
Technical data

Power supply	110 - 230 V
Power consumption	75 W
Protection	IP20
Hold open time (adj.)	0–30 sec.
Opening/closing speed (adj.)	9°–90°/sec.

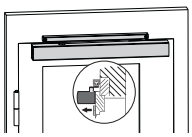
Sliding channel application



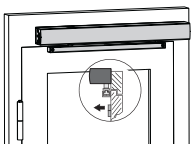
Standard installation/push side
• Max. soffit depth SD = 20 mm



Transom fixing/push side
• Max. soffit depth SD = 30 mm

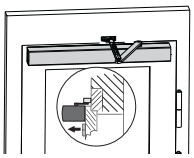


Standard installation/pull side
• Max. door overlap O = 50 mm

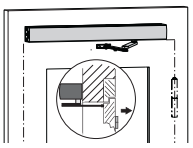


Transom fixing/pull side
• Max. soffit depth SD = 40 mm
• Max. door overlap O = 40 mm

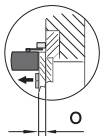
Standard arm application



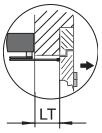
Standard fixing/pull side
• Max. door overlap O = 100 mm



Transom fixing/push side
• Max. soffit depth SD =100 mm



O: Door overlap



SD: Soffit depth

Version	Installation	Cat. No.
ECturn with standard arm	Push and pull side	935.01.165
ECturn with sliding channel	Pull side	935.01.166
	Push side	935.01.167

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Transom door closer StarTec

EN 1154

3 (3/4)	8 (8)	2/4 (1-7)	0 (0/1)	1 (1)	3 (0-4)



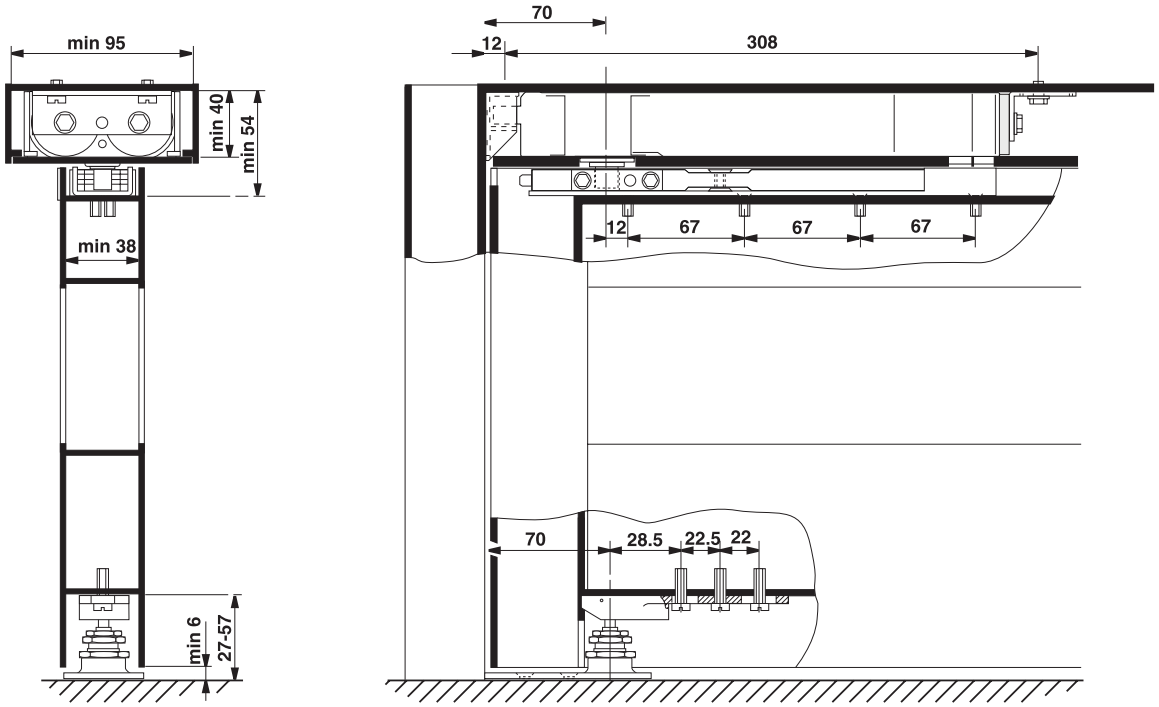


Features

- For single or double action aluminium framed doors
- Hydraulic latching action valve adjustable
- Closing speed valve adjustable
- With hold-open function 90°
- With side-load arm angle bracket and floor pivot
- Closing force according to EN 1154

Technical data

Closing force size	EN2	EN3	EN4
Max. door width size	850 mm	950 mm	1,100 mm
Max. door weight	80 kg	100 kg	120 kg
Max. door opening angle	Approx. 130°	Approx. 130°	Approx. 130°



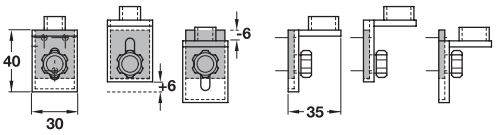
Version		Cat. No.
Transom door closer EN2	☒	932.79.100
Transom door closer EN3		932.79.110
Transom door closer EN4		932.79.120

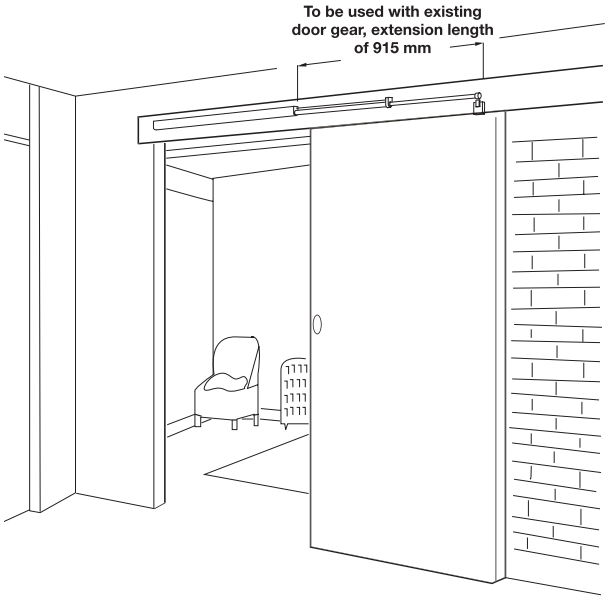
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Overhead sliding door closer for lightweight sliding doors

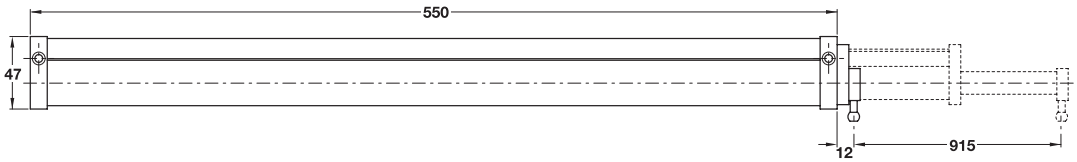


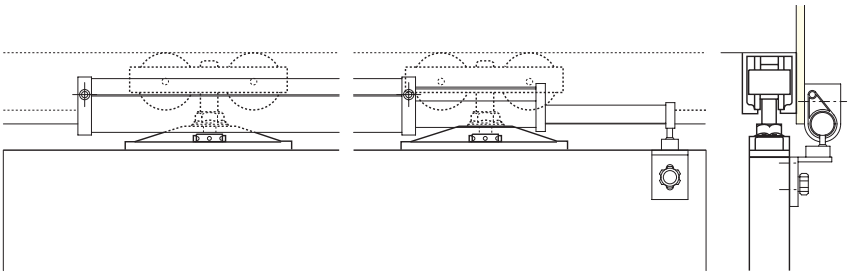




Features

- Surface mounted sliding door closer, for lightweight doors only, with closing speed and closing power adjustment
- Suitable for door sizes: 590–900 mm
- Door opens lightly and closes automatically
- Shuts out noise, gases, dust etc. saves energy
- For timber or metal doors
- Max. door weight per leaf: 40 kg





Version	Cat. No.
For fixing to existing sliding door systems	931.85.009

Packing: 1 pc.

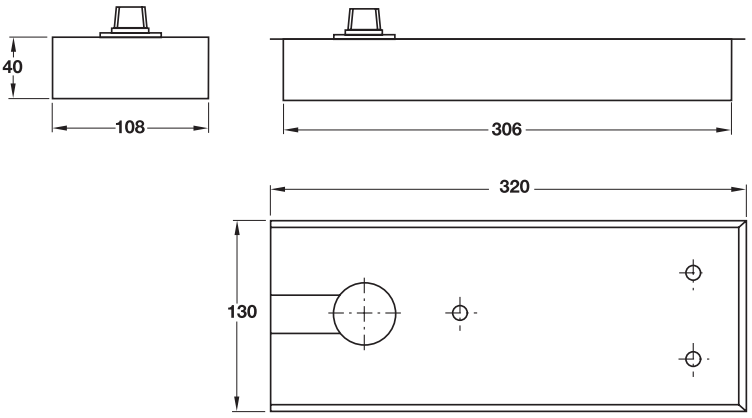
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Double action floor spring StarTec

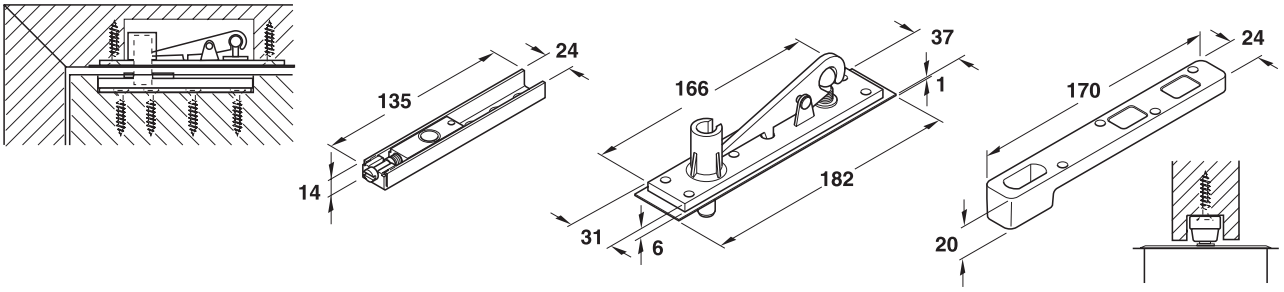
EN 1154







Installation



Features

- For single or double action doors
- Hydraulic latching action valve adjustable
- Closing speed valve adjustable
- With hold-open function 90°
- Suitable for DIN right and DIN left doors
- Closing force according to EN 1154

Technical data

Closing force size	EN2	EN3	EN4
Max. Door width size	850 mm	950 mm	1,100 mm
Max. door weight	80 kg	100 kg	120 kg
Max. door opening angle	approx. 130°	approx. 130°	approx. 130°

Supplied with

1 Floor spring
1 Cover plate, stainless steel
1 Barrel hinge set
1 Door lever
1 Set fixing material

Version		Cat. No.
Double action floor spring EN2		932.77.000
Double action floor spring EN3	☒	932.77.010
Double action floor spring EN4		932.77.020

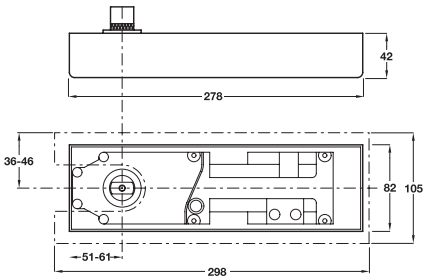
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Floor spring TS 500N GEZE

EN 1154





Features

- Tested to EN 1154
- Tested to confirm with CE requirements
- For single and double action doors
- Closing speed valve adjustable
- With fixed backcheck
- Closing effect from 170°
- Safety value against overloading
- Suitable for DIN right and DIN left doors

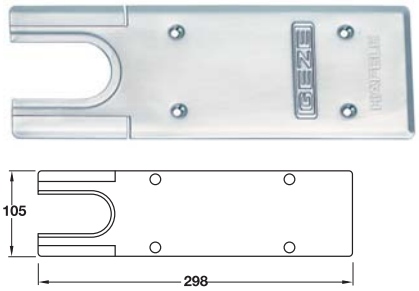
Technical data

Closing force size	EN3
Door width size	850–950 mm
Max. door weight	100 kg
Max. door opening angle	Approx. 170°

Version		Cat. No.
TS 500N without hold-open function	F	932.10.040
TS 500N for 90° double action doors		932.10.041
TS 500N for 90° single and 95° double action doors		932.10.042

Packing: 1 pc. (supplied without cover plate, please order separately)

Cover plate for TS 500N GEZE



Features

- For double action doors as well as suitable for DIN left or DIN right hand by un-hooking the pre-stamped corner

Finish	Cat. No.
Stainless steel coloured	932.10.130
Brass coloured	932.10.135
Dark bronze coloured	932.10.131

Packing: 1 pc.

Order reference

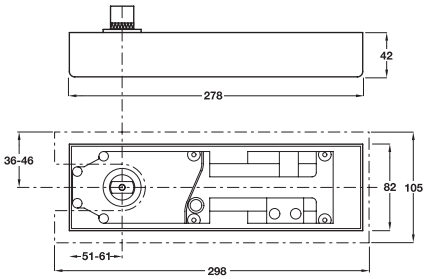
Floor spring accessories .....page 4.42

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Floor spring TS 500NV GEZE

EN 1154





Features

- Tested to EN 1154
- Tested to confirm with CE requirements
- For single and double action doors
- Latching action valve adjustable
- Closing force valve adjustable
- Closing speed valve adjustable
- With fixed backcheck
- Closing effect from 170°
- Safety value against overloading
- Suitable for DIN right and DIN left doors

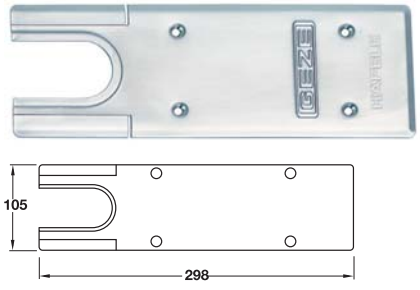
Technical data

Closing force size	EN1–EN4
Door width size	650–1,100 mm
Max. door weight	150 kg
Max. door opening angle	Approx. 170°

Version		Cat. No.
TS 500NV without hold opening function	F	932.10.050
TS 500NV for 90° double action doors		932.10.051
TS 500NV for 90° single and 95° double actio doors		932.10.052

Packing: 1 pc. (supplied without cover plate, please order separately)

Cover plate for TS 500NV GEZE



Features

- For double action doors as well as suitable for DIN left or DIN right hand by un-hooking the pre-stamped corner

Finish	Cat. No.
Stainless steel coloured	932.10.130
Brass coloured	932.10.135
Dark bronze coloured	932.10.131

Packing: 1 pc.

Order reference

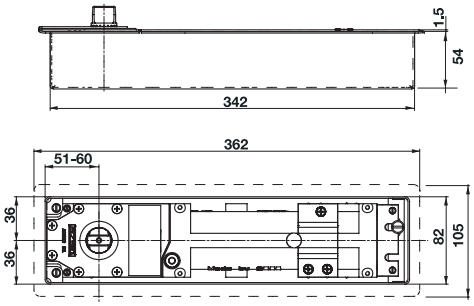
Floor spring accessories .....page 4.42

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Floor spring TS 550NV GEZE

EN 1154





Features

- Tested to EN 1154
- Tested to confirm with CE requirements
- For single and double action doors
- Latching action valve adjustable
- Closing force valve adjustable
- Closing speed valve adjustable
- With fixed backcheck
- Safety value against overloading
- Suitable for DIN right and DIN left doors
- With progressive adjustable hold–open function from 80°–165°
- Hold–open function can be adjustable to delay function

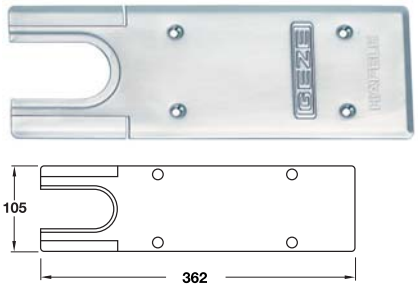
Technical data

Closing force size	EN3–EN6
Door width size	850–1,400 mm
Max. door weight	300 kg
Max. door opening angle	Approx. 170°

Version		Cat. No.
TS 550NV	F	932.10.061

Packing: 1 pc. (Supplied without cover plate, please order separately)

Cover plate for TS 550NV GEZE



Features

- For double action doors as well as suitable for DIN left or DIN right hand by un-hooking the pre-stamped corner

Finish	Cat. No.
Stainless steel coloured	932.10.140
Brass coloured	932.10.145
Dark bronze coloured	932.10.141

Packing: 1 pc.

Order reference

Floor spring accessories .....page 4.42

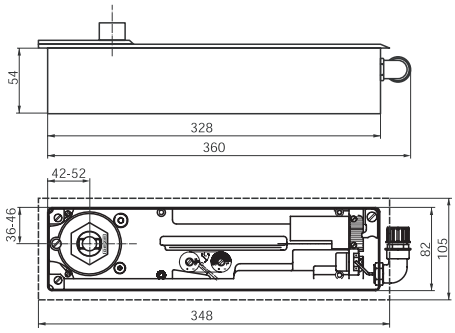
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

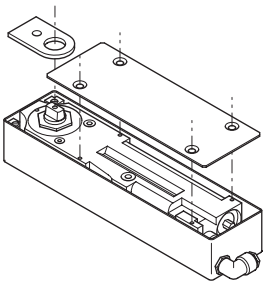
Floor spring TS 550E, TS 550ER GEZE

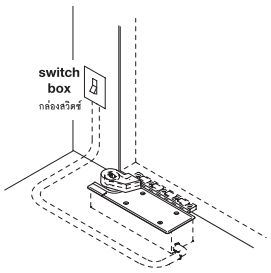
EN 1155











Plug-in extension lead in flexible protective tube

Features

- Tested to EN 1154 and EN 1155
- Tested to confirm with CE requirements
- Electro-mechanical hold-open floor spring
- For installations where no visible magnetic hold open device is required
- When voltage apply to closer - the door hold open
- Voltage off - the door closed automatically
- Adjustable closing force and closing speed
- With backcheck
- Operating voltage 24V DC ±10%
- Connected load 110 mA

Technical data

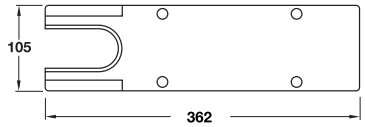
Closing force size	EN3–EN6
Door width size	850–1,400 mm
Max. door weight	250 kg
Closing angle	Approx. 180°

Version			Cat. No.
TS 550E single action	DIN left hand	F	932.10.032
	DIN right hand		932.10.033
TS 550ER double action			932.10.031

Packing: 1 pc. (supplied without cover plate, please order separately)

Cover plate for TS 550E, TS 550ER GEZE





Features

- For double action doors as well as suitable for DIN left or DIN right hand by un-hooking the pre-stamped corner

Finish	Cat. No.
Stainless steel coloured	932.10.110
Brass coloured	932.10.115
Dark bronze coloured	932.10.111

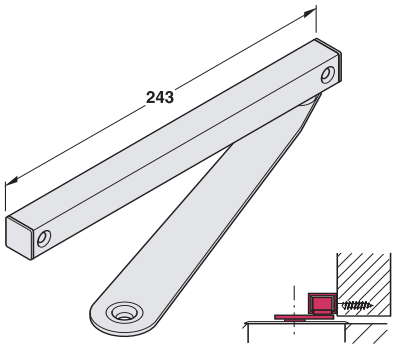
Packing: 1 pc.

Order reference

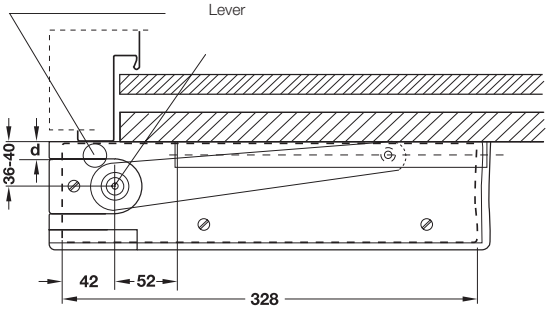
Floor spring accessories .....page 4.42

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Slide channel surface mounted with lever GEZE



Door hinge



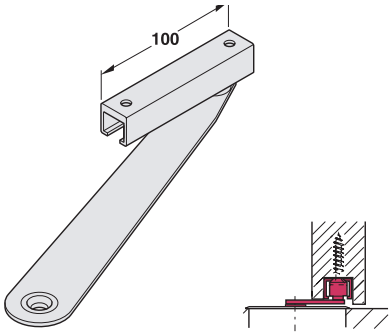
d = 11–25 mm, u

Features

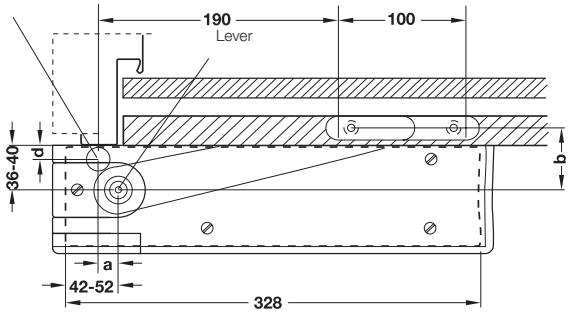
- For hinged doors where it is not possible to fix a overhead door closer
- Screw fixing
- For GEZE TS 550 NV with 9 mm gap from the top of surface of the floor

Version	Cat. No.
For flush and rebated doors with supporting hinges	932.10.309

Slide channel concealed mounted with lever GEZE



Door hinge



a = 0–16 mm,
b = 50–55 mm,
d = 11–25 mm,

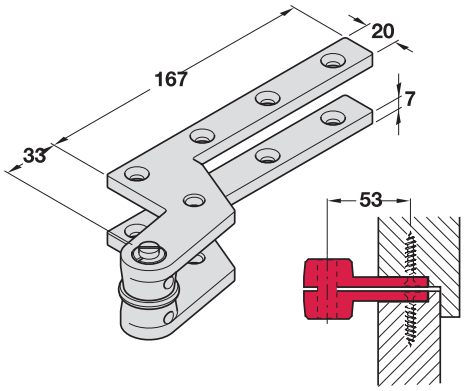
Features

- For hinged doors where it is not possible to fix a overhead door closer
- To recess
- For GEZE TS 550 NV with 9 mm gap from the top of surface of the floor

Version	Cat. No.
For flush and rebated doors with supporting hinges	932.10.319

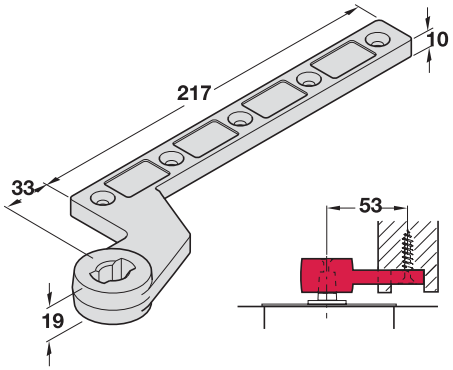
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Barrel hinge for single action doors GEZE



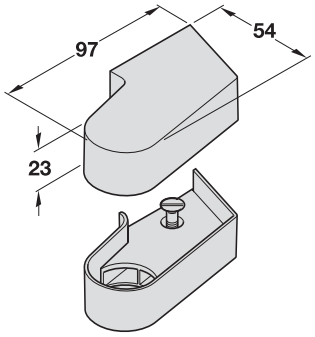
Version	Cat. No.
Suitable for DIN right hand and DIN left hand	932.10.420

Door rail for single action doors GEZE



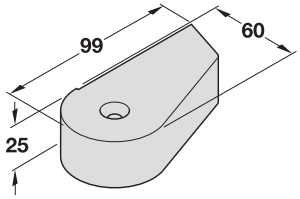
Version	Cat. No.
Suitable for DIN right hand and DIN left hand	932.10.200

Cover cap for barrel hinges on flush doors GEZE



Version	Cat. No.
Suitable for DIN right hand and DIN left hand	932.10.529

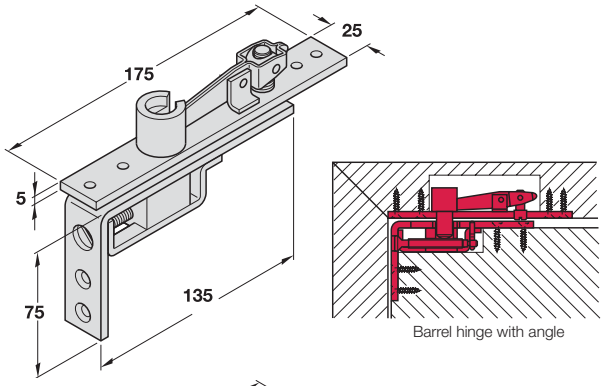
Cover cap for door rails on flush doors GEZE



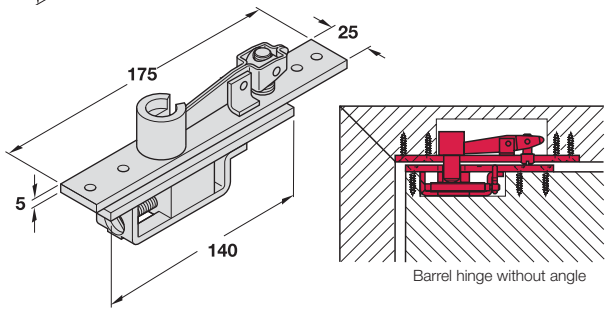
	Left hand	Right hand
Cover cap for door rails	932.10.519	932.10.509

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Adjustable barrel hinge for double action swing doors GEZE



Barrel hinge with angle



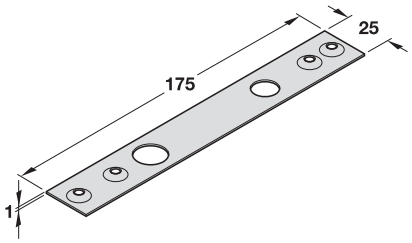
Barrel hinge without angle

Features

- For double action swing doors
- Adjustable
- Optional with or without bracket

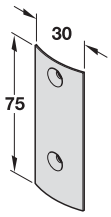
Version	Cat. No.
With angle	932.10.400
Without angle	932.10.410

Cover plate for barrel hinge GEZE



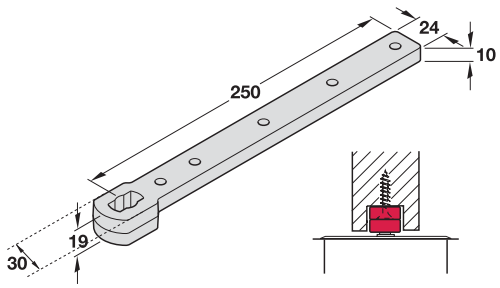
Version	Cat. No.
For top part of barrel hinge	932.10.589

Front plate for barrel hinge GEZE



Version	Cat. No.
Front plate	932.10.579

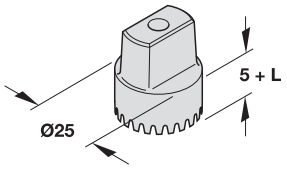
Door rail for swing doors GEZE



Version	Cat. No.
To screw onto wooden or metal doors	932.10.270

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Axle prolongation for floor springs GEZE

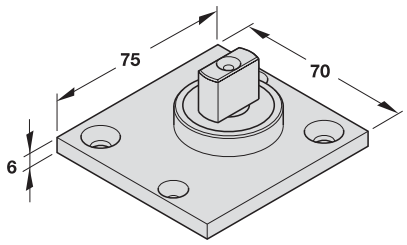


Features

- To increase the floor play (i.e. for doors with thresholds or floors fitted with carpets)
- With radial serrations
- Suitable for DIN right hand DIN left hand

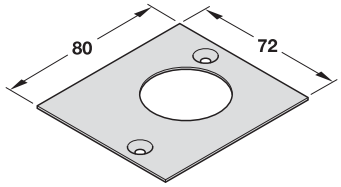
Version	Length L 5 mm	Length L 10 mm	Length L 15 mm	Length L 20 mm	Length L 25 mm
Suitable for DIN right and DIN left hand	932.10.700	932.10.703	932.10.705	932.10.706	932.10.707

Pivot bearing with flat conical axle GEZE



Max. door leaf weight kg	Cat. No.
250	932.10.601

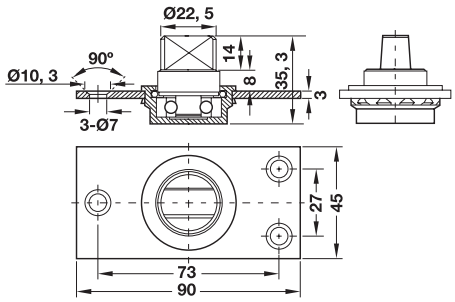
Cover plate for pivot bearing GEZE



Material/finish	Cat. No.
Stainless steel matt	932.10.602

Floor bearing StarTec





Features

- Max. door leaf weight 120 kg

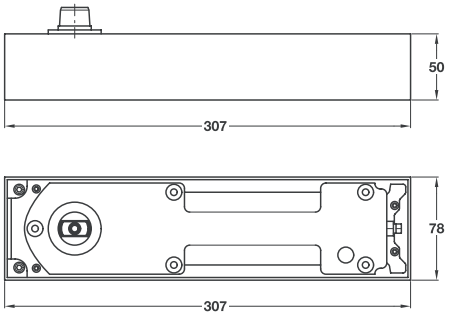
Material/finish	Cat. No.
Stainless steel matt	932.77.090

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Heavy duty floor spring

EN 1154





Features

- Tested to EN 1154
- Tested to confirm with CE requirements
- For single and double action doors
- Closing speed valve adjustable
- With fixed backcheck
- Suitable for DIN right and DIN left doors

Technical data

Closing force size	EN2–EN6
Door width size	750–1,400 mm
Max. door weight	500 kg
Max. door opening angle	Approx. 170°

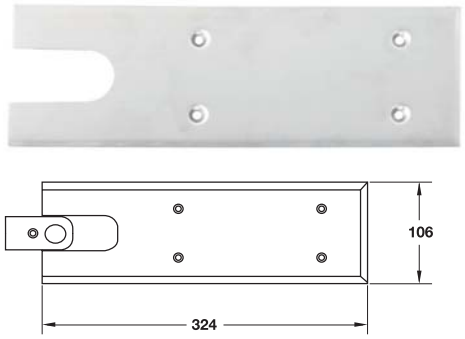
Version		Cat. No.
Floor spring without hold-open	F	932.86.030
Floor spring with 90° and 120° hold-open		932.86.031

Packing: 1 pc. (supplied without cover plate, please order separately)

Note

For single action heavy duty doors an intermediate pivot hinge is required.
For doors up to 2,286 mm height 1 hinge should be used, for each further 762 mm 1 additional hinge should be added.

Cover plate



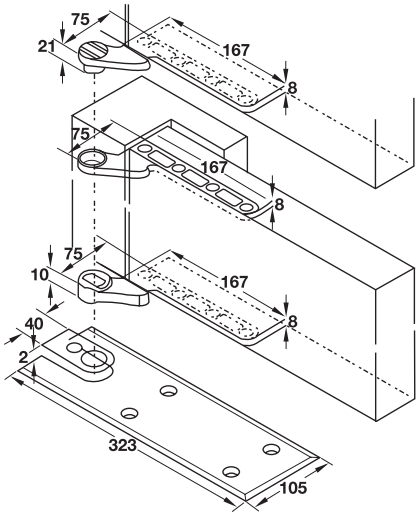
Material/finish	Cat. No.
Stainless steel matt (304)	932.86.940

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Single action fitting set





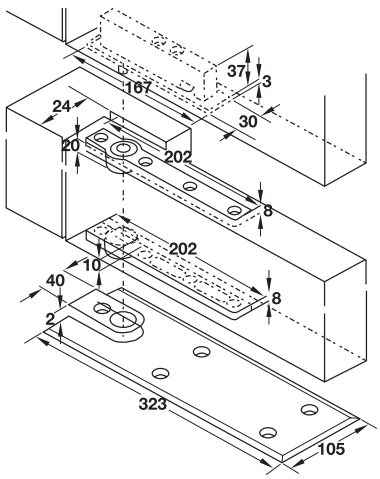
Feature

- Solid grade 316 stainless steel matt for high carrying capacity and excellent corrosion resistance
- Low friction bearing in top centre for enhanced efficiency

Version	Cat. No.
Top center pivot	932.86.950
Bottom strap pivot	932.86.960

Double action fitting set





Feature

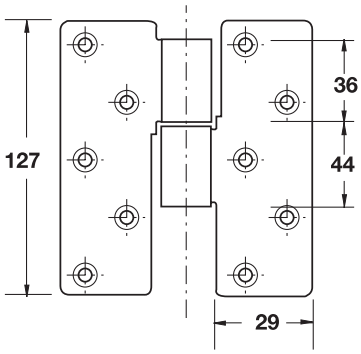
- High carrying capacity and excellent corrosion resistance
- Low friction bearing in top centre for enhanced efficiency

Material/finish	Cat. No.
Stainless steel matt (316)	932.86.932

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Intermediate pivot





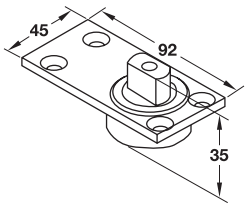
Feature

- For using in combination with floor spring
- To prevent bending of very high doors
- Top pivot arm and floor spring arm need to be aligned with the hinge center by an offset of 16 mm
- Material: Aluminium

Version	Cat. No.
DIN left hand	926.51.009
DIN right hand	926.51.019

Pivot bearing





Features

- Max. door weight 400 kg

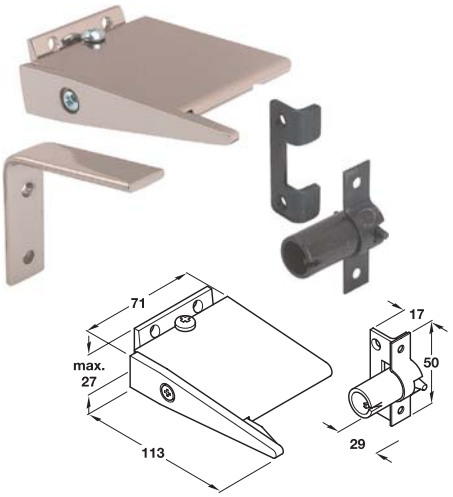
Material/finish	Cat. No.
Stainless steel matt	932.86.920

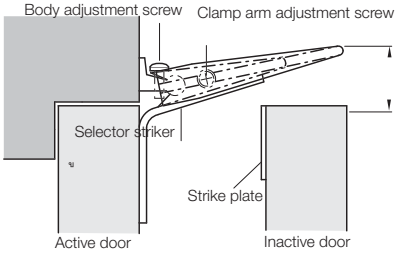
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

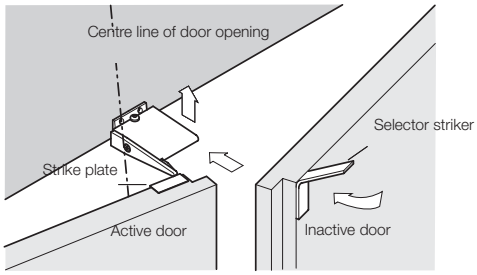
Door selector

EN 1158

3 (3) | 5 (5/8) | 3/5 (1-7) | 0 (0/1) | 1 (1) | 0 (0-4)





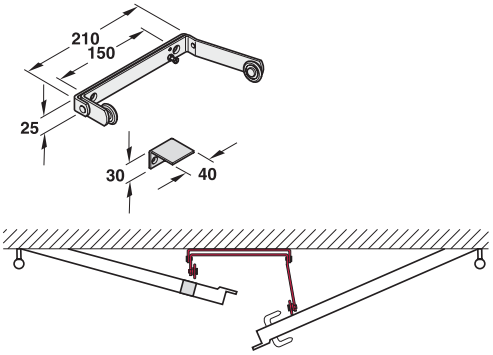


Features

- Face fixing pattern, not suitable for external use
- Enables a pair of rebated meeting stile doors to close in the correct sequence automatically
- Suitable for doors up to 1,200 mm wide and any standard door thickness or rebated depth
- Tested and approved to EN 1158: 1997
- Including trip catch to prevent misaligned rebates in certain circumstances

Material/finish	Cat. No.
Aluminium silver anodized	931.95.909

Door co-ordinator StarTec



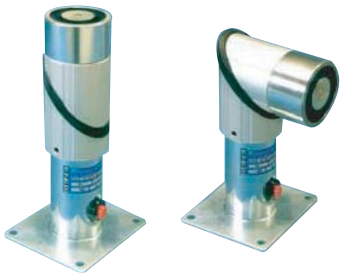
Features

- In connection with door closer
- For double-leaf doors
- Ensures the correct closing sequence of both doors
- Suitable for DIN right hand and DIN left hand
- Installation on the door frame

Finish	Cat. No.
Chrome plated	931.97.902

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Magnetic door clamp with integrated circuit GEZE

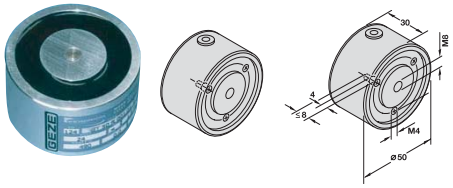


Features

- Operating voltage: 24 V DC ±10%
- Current consumption: Approx. 60 mA
- Power consumption: Approx. 1,5 W
- Clamping force: Approx. 490 N
- Magnetic head and spacer galvanized
- For wall mounting and floor mounting with tilting magnetic head
- Length 185 mm

Version	Cat. No.
With integrated circuit breaker	931.19.020

Magnetic door clamp basic model GEZE

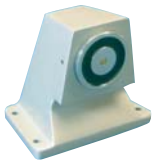


Features

- Operating voltage: 24 V DC ±10%
- Current consumption: Approx. 60 mA
- Power consumption: Approx. 1,5 W
- Clamping force: Approx. 490 N

Version	Cat. No.
For wall mounting	931.19.003

Magnetic door clamp, floor mounting GEZE



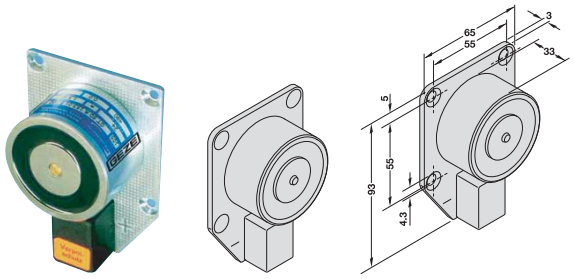
Features

- Operating voltage: 24 V DC ±10%
- Current consumption: Approx. 60 mA
- Power consumption: Approx. 1.5 W
- Clamping force: Approx. 490 N
- With integrated circuit breaker
- Magnetic head and spacer galvanized

Version	Cat. No.
For floor mounting	931.19.010

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Magnetic door clamp wall mounting GEZE

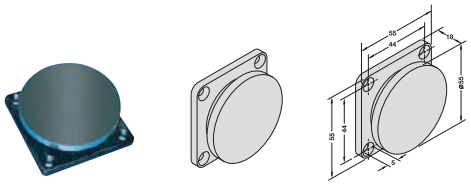


Features:

- Operating voltage: 24 V DC ±10%
- Current consumption: Approx. 60 mA
- Power consumption: Approx. 1.5 W
- Clamping force: Approx. 490 N
- With integrated circuit breaker
- Magnetic head and spacer galvanized

Version	Cat. No.
For wall mounting	931.19.052

Counterplate GEZE



Features

- On mounting plate with spring for levelling with magnetic clamp

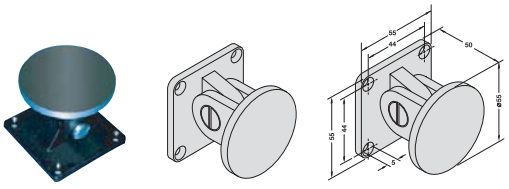
Version	Cat. No.
Counterplate standard model	931.19.086



Features

- On mounting housing with damping spring for smooth action on heavy door

Version	Cat. No.
Counterplate with spring compensation	931.19.087



Features

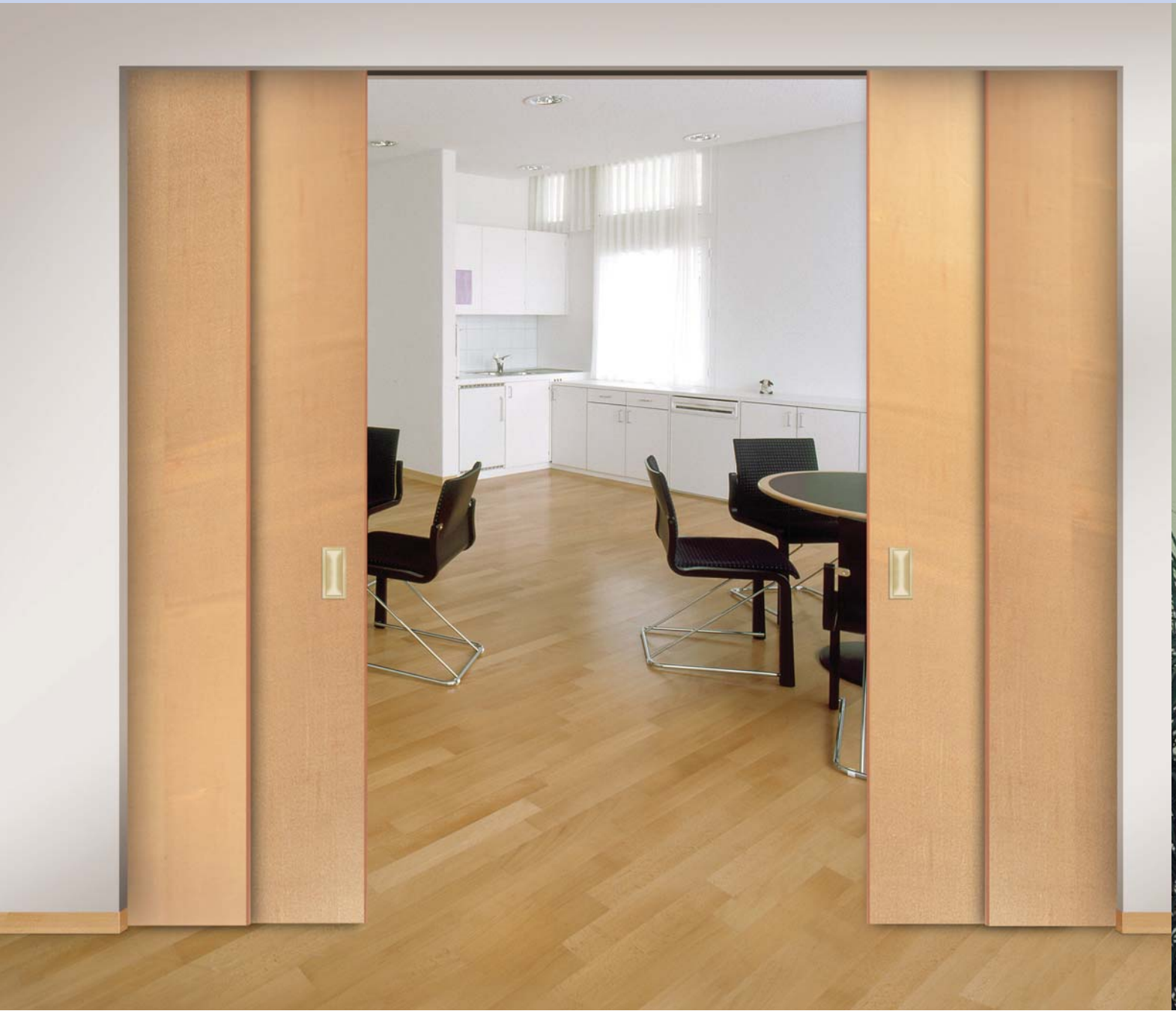
- On mounting plate with additional adjustment for extreme angle between door and magnetic clamp

Version	Cat. No.
Counterplate with joint	931.19.088

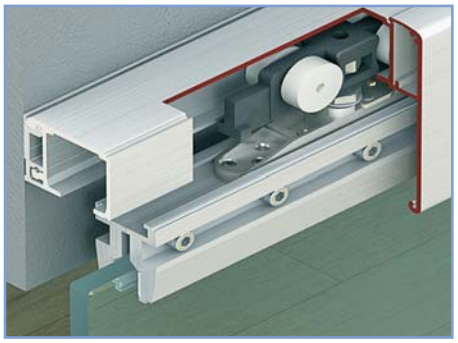
4

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

5 Sliding and Folding Door Fittings

















Sliding door fittings for timber doors





Sliding door fitting Design SLIDO 5.6

Sliding door fitting Classic SLIDO 5.12

Sliding door fitting Junior HAWA 5.44, 5.52, 5.64

Sliding door fitting Media HAWA 5.50

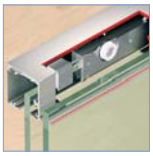
Sliding door fitting Symmetric/Telescopic HAWA 5.56

Sliding door fitting Porta EKU 5.82

Sliding door fitting Super HAWA 5.84

5

Sliding door fittings for glass doors


Sliding door fitting Design SIDO 5.88, 5.92

Sliding door fitting Inox Star StarTec 5.90

Sliding door fitting Classic SLIDO 5.94

Sliding door fitting Junior HAWA 5.112, 5.118, 5.140

Sliding door fitting Porta EKU 5.116

Sliding door fitting Symmetric/Telescopic HAWA 5.136

Sliding door fitting Purolino HAWA 5.150

Sliding door fitting Media HAWA 5.154

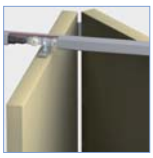
Sliding door fitting Rondo HAWA 5.156

Sliding door fitting Super HAWA 5.158

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Folding door fittings





Folding door fitting Fold 5.160, 5.173, 5.194

Folding door fitting Centrefold/Endfold Al Fresco 5.164

Folding door fitting Bifold HAWA 5.186

Folding door fitting Folding HAWA 5.188

Folding door fitting T-snap 5.190

Folding door fitting T-fold 5.192

Louvre door fittings





Sliding louvre door fitting Frontslide 5.198

Folding louvre door fitting Frontfold 5.203

Aluminium frame door systems





ALUTEC Aluminium frame door system 5.204

Silent Aluflex Aluminium frame door system 5.208

Movable wall systems





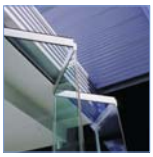
Sliding wall Wall 200-T 5.212

Movable wall system mono/progress/palace/president 5.214

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding stacking partitions





Sliding stacking timber partitions Aperto HAWA 5.220

Sliding stacking timber partitions Variotec HAWA 5.221

Sliding stacking glass partitions Aperto HAWA 5.222

Sliding stacking glass partitions Variotec HAWA 5.223, 5.225

Sliding stacking glass partitions Cornertec HAWA 5.224

Sliding folding glass partitions Variofold HAWA 5.226

Sliding folding glass partitions Centrefold HAWA 5.227

5

Sliding door drives





Sliding door drive Classic Slido 5.228

Sliding door drive ECdrive GEZE 5.232

Sliding door drive Slimdrive GEZE 5.233

Sliding door drive Powerdrive GEZE 5.234

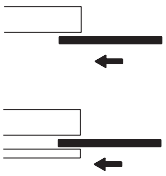
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Opening methods of sliding doors

Sliding doors fittings can be differentiated according to number of leaves and the opening method.

Opening methods 1-leaf sliding doors

The leaf is opened to one side in front of a wall or into a cavity



Opening methods 2-leaf sliding doors

Symmetrical opening or two leaves manually or automatically



Fittings for sliding wooden doors

This catalogue illustrates fitting for wooden sliding doors with a maximum door weight of 750 kg.
Fittings for sliding wooden doors consist of a fitting set and running track. If necessary, further components can be added.

Suspensions

Support flange are inserted from the side. They are fitted onto the door, which result in an increased installation height.

Floor guides

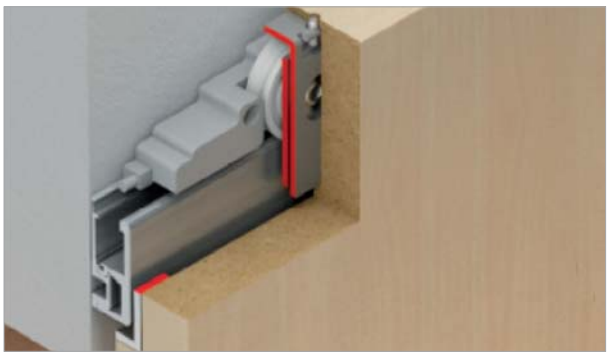
Floor guide free of play. A floor guide prevents the sliding door from rattling.
Floor mounted floor guides free of play are available for a door weight of up to 160 kg.
Guide track it is recommended to guide wide sliding doors in a bottom guide track.

Track buffer

Track buffer with adjustable retaining spring. The retaining spring allows the sliding door to be held in a closed or open position.
The retaining force of the spring can be adjusted according to the weight of the sliding door.
Track buffes with adjustable retaining force are included in almost all fitting sets.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Design 40-V/80-V SLIDO





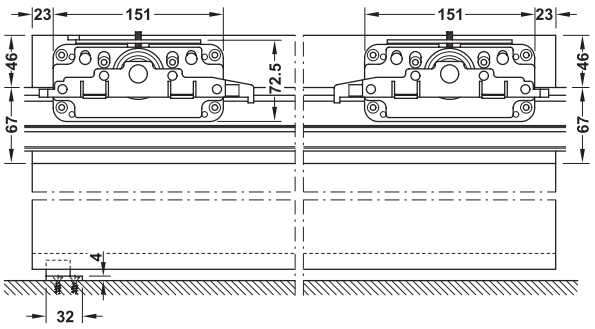
Feature

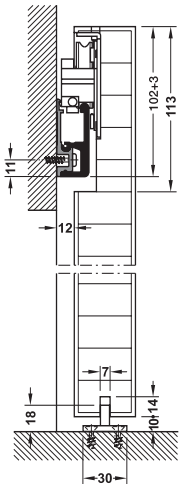
- For 1-leaf and 2-leaf sliding timber doors
- Invisible running equipment integrated in door
- Door height adjustable +3 mm

Technical data

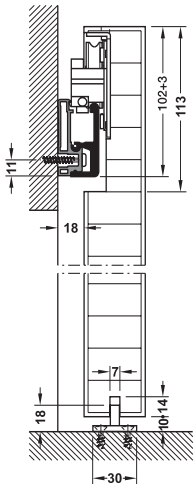
- Door weight: 40 or 80 kg
- Wall distance: 12 or 18 mm

Section trolley hanger and guide

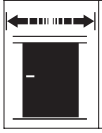




Wall distance 12 mm model A1, E1



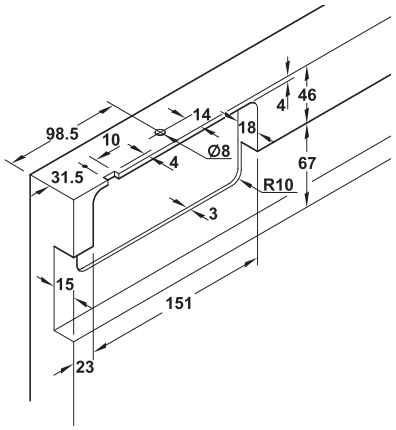
Wall distance 18 mm model A2, E2

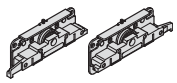
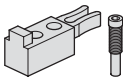
Fitting for 1-leaf, without running track		Min. door width mm	Door weight kg	Model	Wall distance mm	Cat. No.
	Without softclosing mechanism	500	40 (40-V)	A1	12	940.42.105
				A2	18	940.42.106
			80 (80-V)	A1	12	940.82.171
				A2	18	940.82.172
	On both sides with softclosing mecha-nism	680	40 (40-V)	E1	12	940.42.000
				E2	18	940.42.102
			80 (80-V)	E1	12	940.82.000
				E2	18	940.82.168

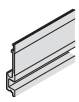
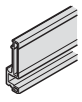
Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Panel preparation detail



Set consisting of		Model			
		A1	E1	A2	E2
Running gear		2	2	2	2
Soft closing device		-	2	-	2
Stopper and locking pin		2	-	2	-
Running gear anti jump device		2	2	2	2
Cover caps for wall distance 12 mm		1	1	–	–
Cover caps for wall distance 18 mm		–	–	1	1
Floor guide		1	1	1	1

Track and accessories		Material	Finish	Length mm	Cat. No.
Fixing track for wall distance 12 mm		Aluminium	Silver coloured anodized	2,000	940.82.220
				3,000	940.82.230
				4,000	940.82.240
				6,000	940.82.260
Fixing track for wall distance 18 mm		Aluminium	Silver coloured anodized	2,000	940.82.920
				3,000	940.82.930
				4,000	940.82.940
				6,000	940.82.961
Running track		Aluminium	Silver coloured anodized	2,000	940.82.320
				3,000	940.82.330
				4,000	940.82.340
				6,000	940.82.360

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Design 80-M SLIDO



Feature

- For 1-leaf sliding door
- Invisible running equipment integrated in door
- Wall mounting installation with plain floor
- Door height adjustable +2 mm

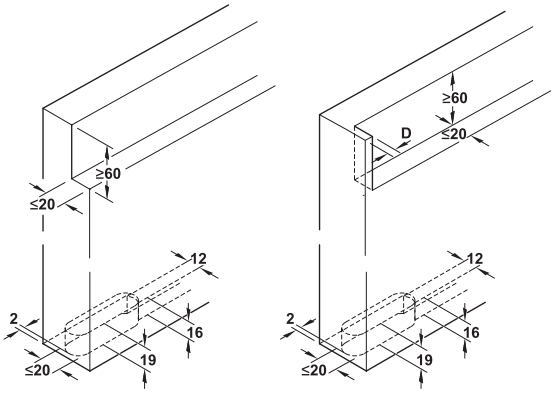
Technical data

- Door width: 800–1,800 mm
- Max. door weight per leaf: 80 kg

Note

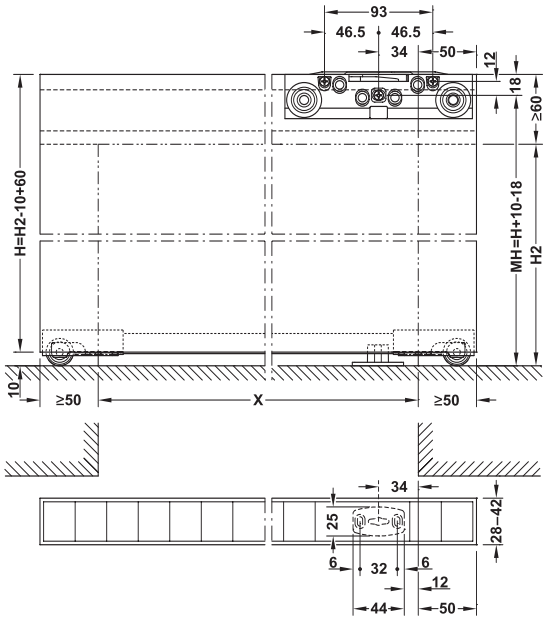
Light abrasion of the floor is possible depending on the material.
The tile joints are noticeable when sliding.

Panel preparation detail



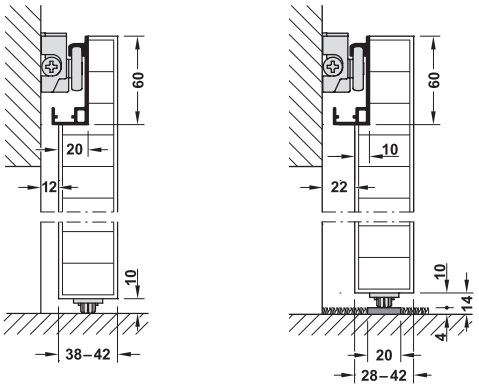
With end cap — Conceal mounting

Section trolley for hanger and guide

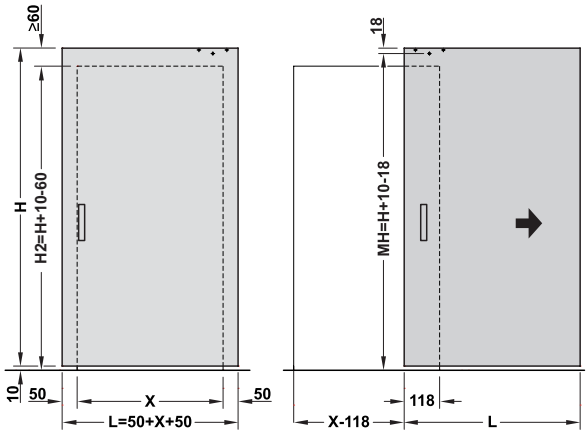


H = Height of door leaf — MH = Opening height

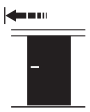
Installation



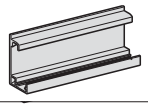
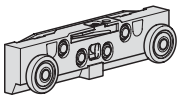
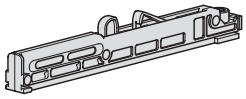
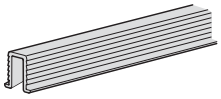
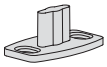
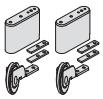
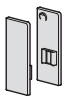
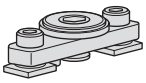
Floor guide on hard floor — Floor guide on soft floor



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting set, with running track		Length mm	Cat. No.
	With soft closing mechanism	1,100	940.59.002
		1,800	940.59.003

Packing: 1 set

Set consisting of		For 1-leaf
Running track		1 pc.
Running gear, top		1 pc.
Plate		3 x 1 mm 3 x 2 mm 3 x 3 mm
Soft and self closing mechanism		2 pcs.
Guide track		1 pc.
Floor guide		1 pc.
Guide roller, bottom,1 set		1 pc.
End caps, 1 set (1 black pair, 1 silver coloured pair)		1 pc.
Spacer roller		2 pcs.

Additional components	Material	Finish	Length mm	Cat. No.
Guide rail for soft floor	Aluminium	Silver coloured anodized	2,200	940.59.802
			3,600	940.59.803

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Design 150-U SLIDO





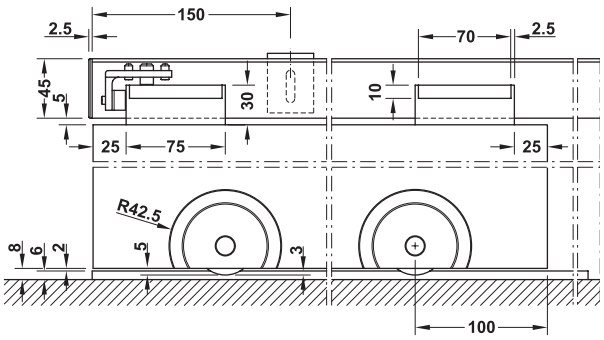
Feature

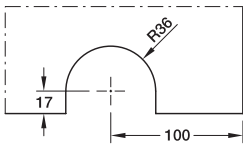
- For 1-leaf and 2-leaf sliding door
- Wall mounting bracket height adjustable +6 mm
- On wall bracket distance adjustable ±8 mm
- Assembly to fit at the connection

Technical data

- Max. door weight per leaf: 150 kg
- For door thickness: 28–42 mm

Section running gear and top guide





Door cut out

Sliding door fitting set, without running track		Door thickness mm	Supplied with	Cat. No.
	Without soft closing mechanism	35–42	2 running gears, felt guide strips, 2 guide flanges, 2 stoppers, fixing material	941.58.003
	Additional set	28–34	Additional fixing material	941.58.001

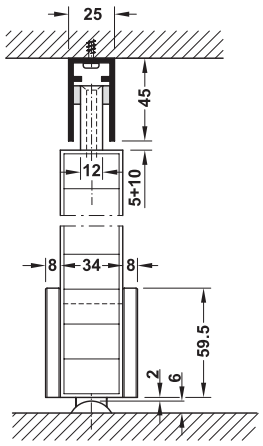
Packing: 1 set

Order reference

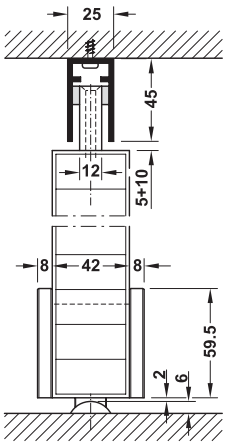
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ceiling installation

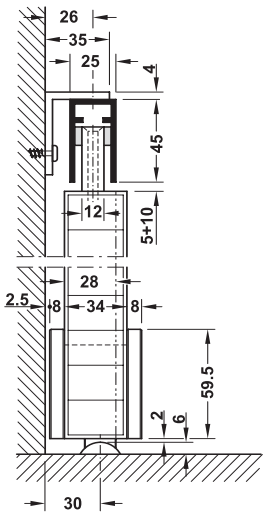


Door thickness 28 - 34 mm

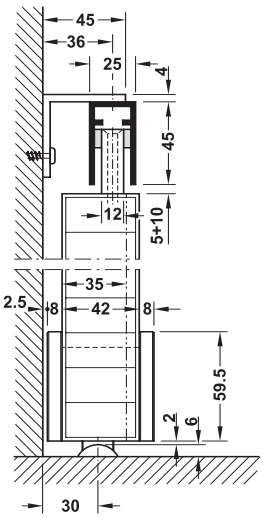


Door thickness 35-42 mm

Wall installation



Door thickness 28 - 34 mm



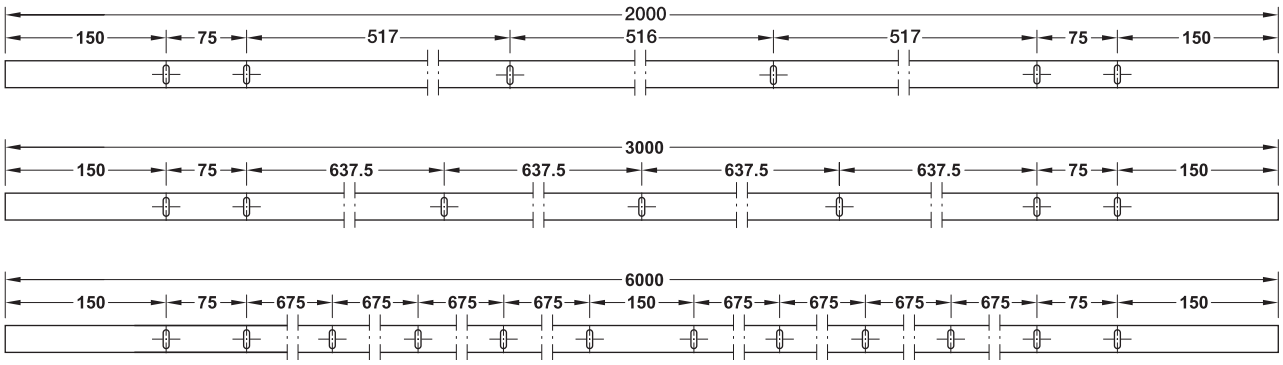
Door thickness 35-42 mm

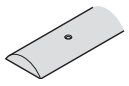
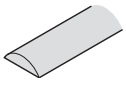
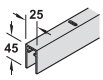
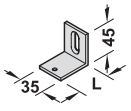
Note

The wall distance of the door is always the same, also with different door thicknesses. For extension of wall distance, please select different size of wall mounting bracket.

5

Drilled top guiding track



Track and accessories		Material	Finish	Length mm	Cat. No.
Bottom running track predrilled		Stainless steel	Matt	2,000	941.58.920
				3,000	941.58.930
Bottom running track predrilled (6,000 mm in 2 pcs)				6,000	941.58.960
Bottom running track undrilled		Stainless steel	Matt	2,000	941.58.820
				3,000	941.58.830
Bottom running track undrilled (6,000 mm in 2 pcs)				6,000	941.58.860
Top guide track drilled, incl. plastic caps		Aluminium	Stainless steel anodized	2,000	941.58.720
				3,000	941.58.730
				6,000	941.58.760
Wall mounting bracket, height adjustable Length (L) = wall distance		Aluminium	Stainless steel anodized	25	941.58.060
				35	941.58.062
				45	941.58.061
				65	941.58.063

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 50-F/120-F SLIDO





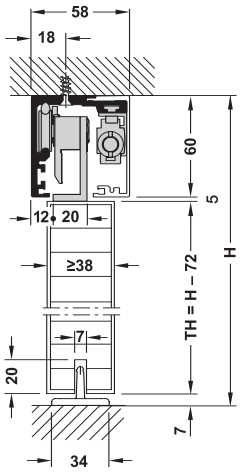
Feature

- For 1-leaf and 2-leaf sliding door
- Door height adjustable +4/-3 mm
- Wall mounting or ceiling installation

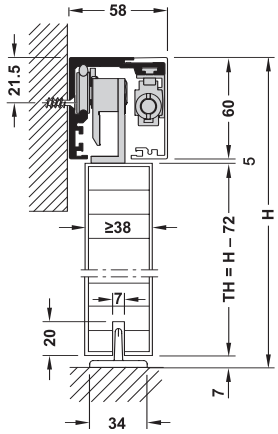
Technical data

- Max. door weight per leaf: 50–120 kg
- Door width: 50-F min. 500 mm, 80-F or 120-F min. 630 mm
- Min. door thickness: 38 mm

Ceiling installation and wall mounting



H = Total height



TH = Door height

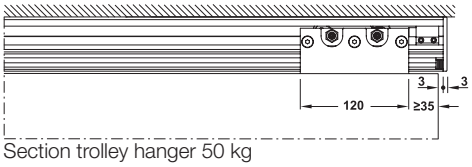
Sliding door fitting set, without running track		Material	Finish	50 kg	80 kg	120 kg
	Without soft closing mechanism	Aluminium	Stainless steel anodized	940.67.001	–	941.30.001
			Silver coloured anodized	940.67.000	–	941.30.000
	On both sides with soft closing mechanism	Aluminium	Stainless steel anodized	940.67.005	941.30.005	941.30.101
			Silver coloured anodized	940.67.004	941.30.004	941.30.100

Packing: 1 set

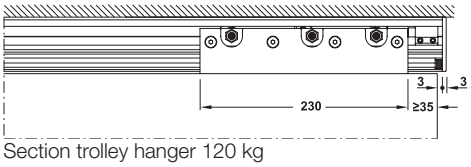
Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

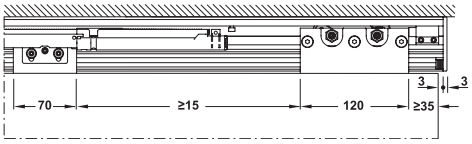
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



Section trolley hanger 50 kg



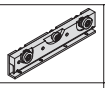
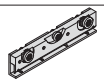
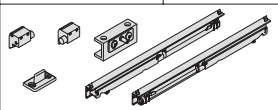
Section trolley hanger 120 kg

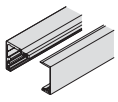
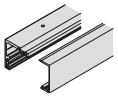
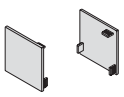
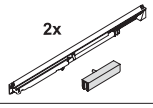


Section trolley hanger 50 kg with soft closing mechanism



Section floor guide

Set consisting of				Packing
50-F/120-F without soft closing mechanism				
Running gear for 50 kg		Running gear for 120 kg		2 pcs.
Stopper and floor guide				1 pc.
50-F/80-F/120-F with soft closing mechanism (both sides)				
Running gear for 50 kg		Running gear for 80 kg/120 kg		2 pcs.
Stopper, floor guide and self closing mechanism				1 set

Track and accessories		Material	Finish	Length mm	Cat. No.
Running track set, wall mounting		Aluminium	Silver coloured anodized	2,000	940.67.820
				3,000	940.67.830
				4,000	940.67.840
				6,000	940.67.860
			Stainless steel anodized	2,000	940.67.821
				3,000	940.67.831
				4,000	940.67.841
				6,000	940.67.861
Running track set, ceiling installation		Aluminium	Silver coloured anodized	2,000	940.67.920
				3,000	940.67.930
				4,000	940.67.940
				6,000	940.67.960
			Stainless steel anodized	2,000	940.67.921
				3,000	940.67.931
				4,000	940.67.941
				6,000	940.67.961
End cap, clipping on, 1 pair		Plastic	Aluminium	–	940.67.060
			Stainless steel coloured	–	940.67.061
Soft and self closing mechanism set for each door, for soft and self closing on both sides		Aluminium/plastic	Door weight 40 kg	–	941.30.080
			Door weight 80 kg	–	941.30.081
			Door weight 120 kg	–	941.30.082

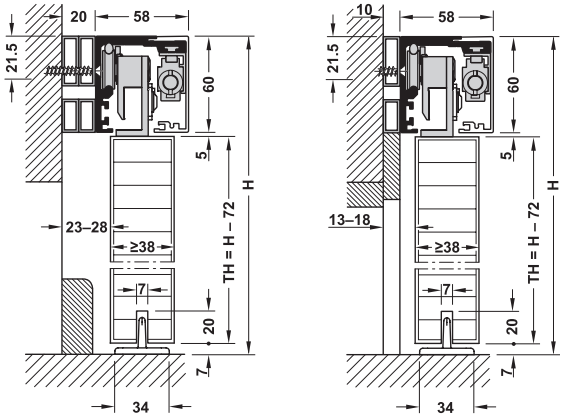
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Wall compensation unit profile for Classic 50-F/120 - F SLIDO



Feature

- Wall mounting installation



H = Total height

TH = Door height

	Material	Finish	Distance mm	Length mm	Cat. No.
Wall compensation unit profile, for glue fixing, not drilled, consists of 30 x 15 mm profile and 20 x 15 mm profile (H x T)	Aluminium	Silver coloured anodized	15	2,000	940.67.620
		Stainless steel coloured anodized			940.67.621
Wall compensation unit profile, for glue fixing, not drilled, consists of 30 x 10 mm profile and 20 x 10 mm profile (H x T)	Aluminium	Silver coloured anodized	10	2,000	940.67.520
		Stainless steel coloured anodized			940.67.521
End caps, 1 pair, for compensating 10, 15 and 20 mm distance, clip fixing	Plastic	Silver coloured	–	–	940.67.062
		Stainless steel coloured			940.67.063

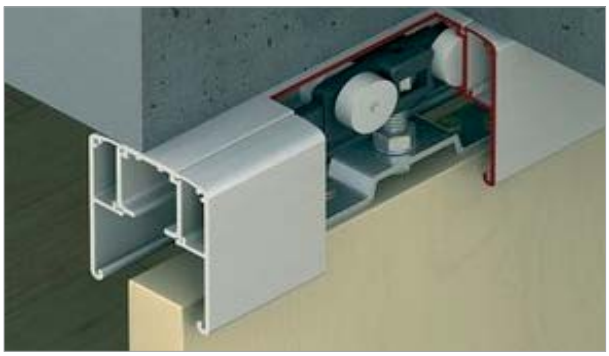
Packing: 1 set

Note

2 x 10 mm compensation units must be used for 20 mm wall distance.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 40-P/80-P/120-P SLIDO





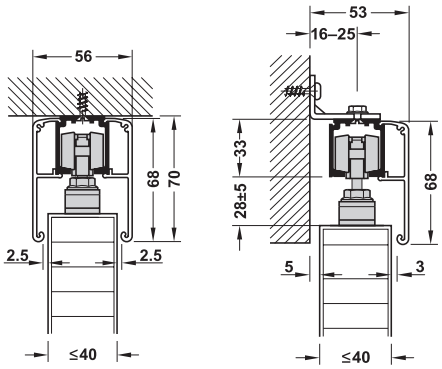
Feature

- For 1- leaf and 2- leaf sliding door
- Door height adjustable
- Suspension fitting with screwed on support flange
- Optional soft close device

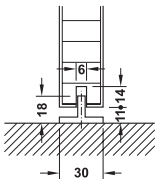
Technical data

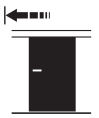
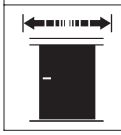
- Max. door weight per leaf: 40–120kg

Ceiling installation and wall mounting



Floor guide



Sliding door fitting set, without running track		Version	Min. door width mm	40 kg	80 kg	120 kg
	Without soft closing mechanism	A	–	940.42.005	940.82.100	941.02.100
	On one side with soft closing mechanism	B	592	940.43.000	940.82.102	941.25.131
	On both sides with soft closing mechanism	C	727–846	940.43.009	940.82.115	–
		D	847–966	940.43.005	940.82.103	–
		E	916	940.43.008	940.82.112	941.25.134

Packing: 1 set

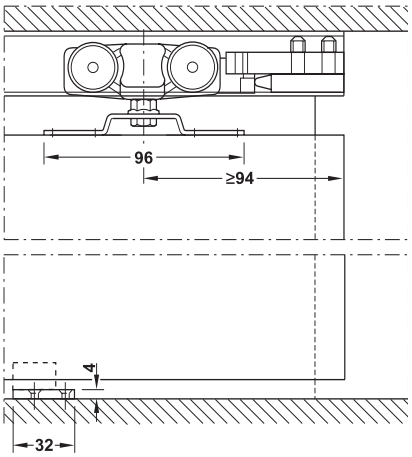
Order reference

Individual components ..... page 5.17

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

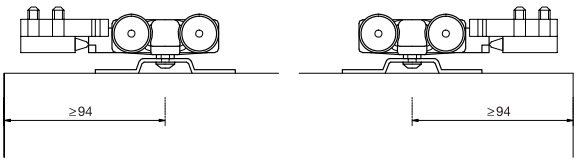
Sliding door fitting Classic 40-P/80-P/120-P SLIDO

Selection guide and trolley hanger

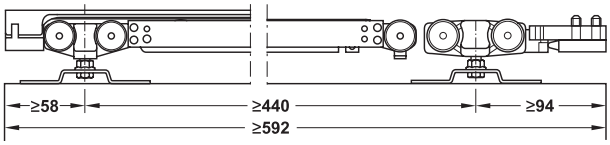


Soft closing versions overview

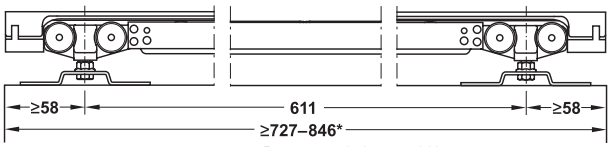
Version A without soft closing mechanism



Version B with soft closing mechanism (1-side)

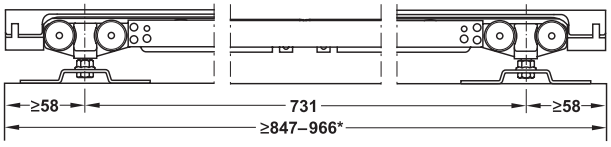


Version C with soft closing mechanism (both sides)



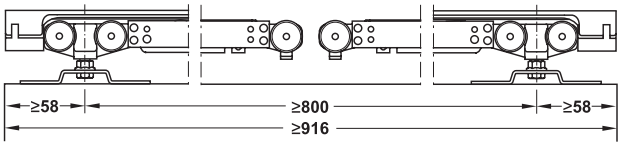
Recommended max. width

Version D with soft closing mechanism (both sides)



Recommended max. width

Version E with soft closing mechanism (both sides)

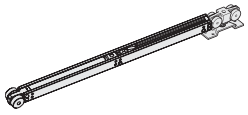
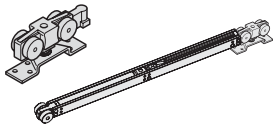
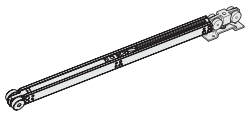
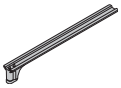


Note

Version A suitable for 40-P/80-P/120-P

Version B, C, D, and E suitable for 40-P/80-P

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		Model	Version	For 1-leaf	Cat. No.
	Running gear, 4-wheel, suspension screw with nut and supporting flange for screw-mounting	40-P	A	2 pcs.	940.42.013
			B	1 pc.	
	Soft and self closing mechanism		B	1 pc.	940.42.017
			E	2 pcs.	
	Running gear, 4-wheel, suspension screw with nut and supporting flange for screw-mounting Soft and self closing mechanism		C	1 pc.	940.43.012
			D	1 pc.	940.42.016
	Running gear, 4-wheel, suspension screw with nut and supporting flange for screw-mounting	80-P	A	2 pcs.	940.82.012
			B	1 pc.	
	Soft and self closing mechanism		B	1 pc.	940.82.018
			E	2 pcs.	
			C	1 pc.	940.82.019
			D	1 pc.	940.82.015
	Running gear, 4-wheel, suspension screw with nut and supporting flange for screw-mounting	120-P	A	2 pcs.	941.02.021
	Floor guide	40/80/120-P	A, B, C, D, E	1 pc.	940.42.031
	Track buffer with retainer spring and rubber buffer	40/80/120-P	A	2 pcs.	940.42.041
			B	1 pc.	
	Release device with stopper	40/80/120-P	B	1 pc.	940.42.042
			C, D, E	2 pcs.	

Order reference

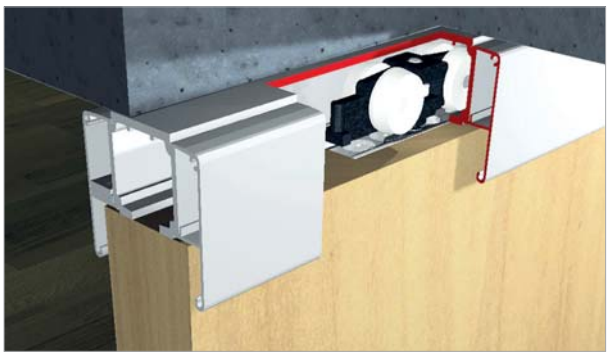
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Order reference

Track and accessories ..... page 5.23
Sliding door application ..... page 5.26

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 40-K/80-K/120-K SLIDO





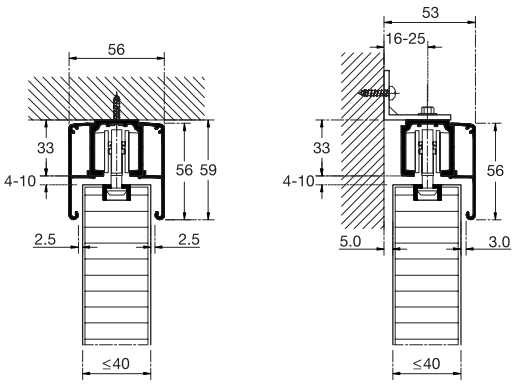
Feature

- For 1- leaf and 2- leaf sliding door
- Door height adjustable
- Suspension fitting with conceal support flange

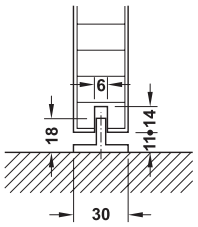
Technical data

- Max. door weight per leaf: 40–120 kg

Ceiling installation and wall mounting



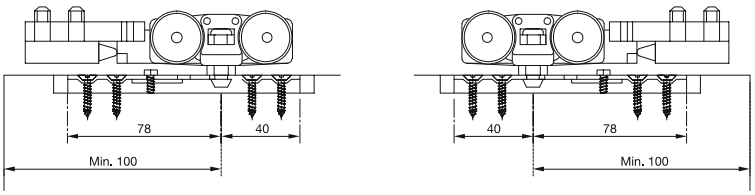
Floor guide



Sliding door fitting sets, without runing track		Version	Max. door width mm	40 kg	80 kg	120 kg
	Without soft closing mechanism	A	40	940.42.126	940.82.126	941.25.126

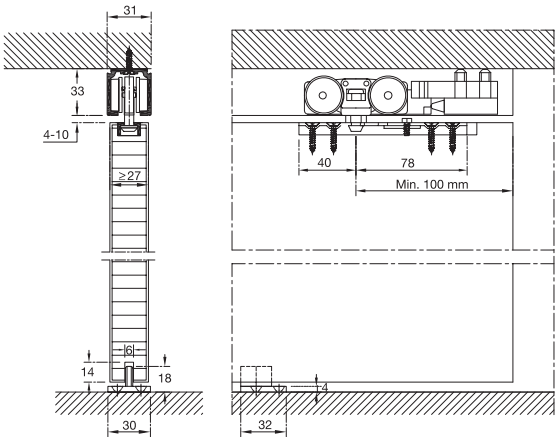
Packing: 1 set

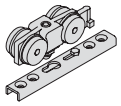
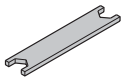
Version A without soft closing mechanism



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Section guide and trolley hanger



Set consisting of		Model	Function	For 1-leaf	Cat. No.
	Running gear, 4-wheel, suspension fittings with conceal support flange	40-K	Version (A) without soft and self closing mechainism	2 pcs.	940.42.021
		80-K	Version (A) without soft and self closing mechainism	2 pcs.	940.82.021
		120-K	Version (A) without soft and self closing mechainism	2 pcs.	941.25.021
	Floor guide	40/80/120-K	–	1 pc.	940.42.031
	Track buffer with retainer spring and rubber buffer	40/80/120-K	–	2 pcs.	940.42.041
	Mounting key tool	40/80/120-K	–	1 pc.	940.43.032

Order reference

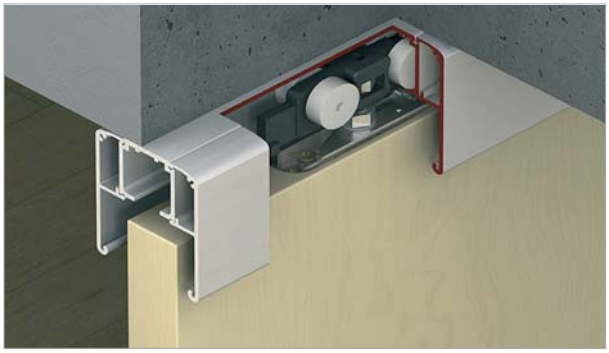
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

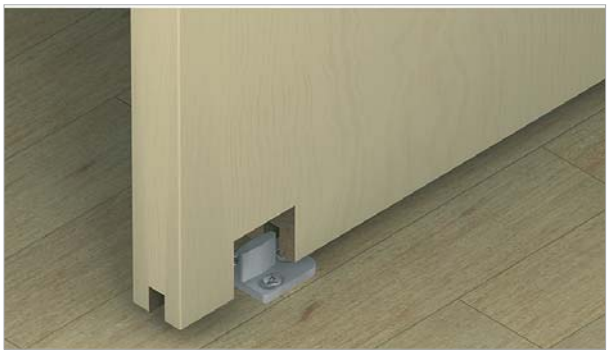
Order reference

Track and accessories ..... page 5.23
Sliding door application ..... page 5.26

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 40-O/80-O/120-O SLIDO





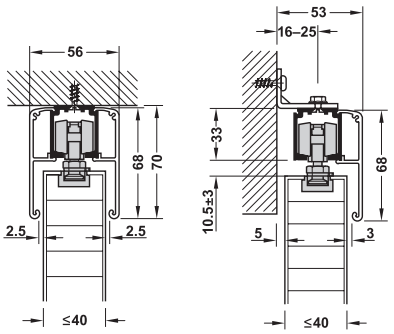
Feature

- For 1- leaf and 2- leaf sliding door
- Door height adjustable
- Suspension with recessed flange clip (without tools)

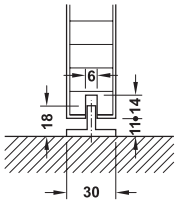
Technical data

- Max. door weight per leaf: 40–120 kg

Ceiling installation and wall mounting



Floor guide



Sliding door fitting sets, without runing track		Version	Min. door width mm	40 kg	80 kg	120 kg
	Without soft closing mechanism	A	–	940.42.006	940.82.101	941.02.101
	On one side with soft closing mechanism	B	592	940.43.001	940.82.104	941.25.111
	On both sides with soft closing mechanism	E	916	940.43.006	940.82.105	941.25.114

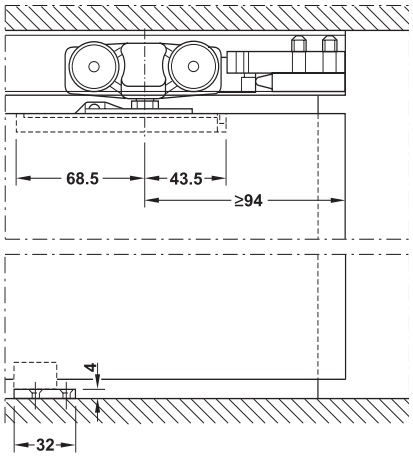
Packing: 1 set

Order reference

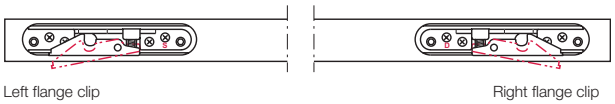
Individual components ..... page 5.22

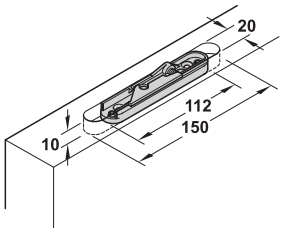
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Section guide and trolley hanger



Installation

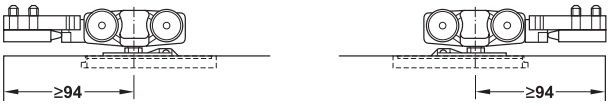




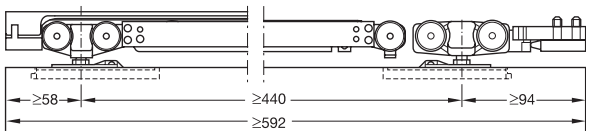
Routing dimension

Soft closing versions overview

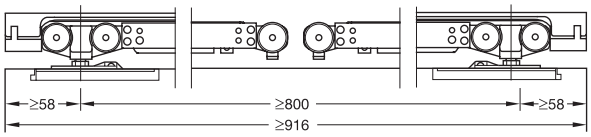
Version A without soft closing mechanism, for Classic 40-120-O



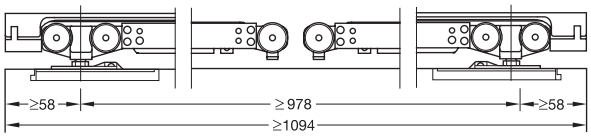
Version B with soft closing mechanism (1-side) for Classic 40-120-O



Version E with soft closing mechanism (both sides) for Classic 40-O and 80-O



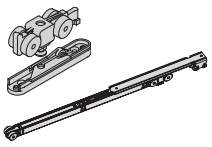
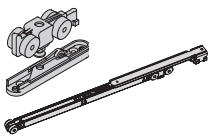
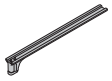
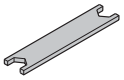
Version E with soft closing mechanism (both side), for Classic 120-O



5

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 40-O/80-O/120-O SLIDO

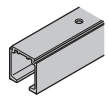
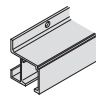
Set consisting of		Model	Mounting	Version	For 1-leaf	Cat. No.
	Running gear, 4 rollers, suspension screw with nut, flange clip for hooking in (without tool)	40-O	Left	A	1 pc.	940.42.014
			Right	A, B	1 pc.	940.42.015
	Running gear, 4 rollers, suspension screw with nut, flange clip for hooking in (without tool) with soft and self closing mechanism		Left	B, E	1 pc.	940.42.018
			Right	E	1 pc.	940.42.019
	Running gear, 4 rollers, suspension screw with nut, flange clip for hooking in (without tool)	80-O	Left	A	1 pc.	940.82.013
			Right	A, B	1 pc.	940.82.014
	Running gear, 4 rollers, suspension screw with nut, flange clip for hooking in (without tool) with soft and self closing mechanism		Left	B, E	1 pc.	940.82.016
			Right	E	1 pc.	940.82.017
	Running gear, 4 rollors, suspension screw with nut, flange clip for hooking in (without tool)	120-O	Left	A	1 pc.	941.02.022
			Right	A	1 pc.	941.02.023
	Floor guide	–	–	A, B, E	1 pc.	940.42.031
	Track buffer with retainer spring and rubber buffer	40/80/120-O	–	A	2 pcs.	940.42.041
				B	1 pc.	
	Release device with stopper, key tool	80/120-O	–	B	1 pc.	940.42.042
				E	2 pcs.	
	Mounting key tool	80/120-O	–	A, B, E	1 pc.	940.43.032

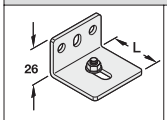
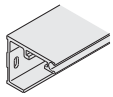
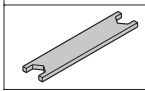
Order reference

Track and accessories ..... page 5.23
Sliding door application ..... page 5.26

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Tracks, components and accessories

Running track			Material	Finish	Length mm	Cat. No.
	①	31 x 33 mm (W x H), Leaf weight: 40–120 kg	Aluminium	Silver coloured anodized	2,000	940.43.922
					3,000	940.43.932
					4,000	940.43.942
					6,000	940.43.962
	②	47.5 x 47 mm (W x H), Leaf weight: 40-120 kg	Aluminium	Silver coloured anodized	2,000	940.43.920
					3,000	940.43.930
					4,000	940.43.940
					6,000	940.43.960

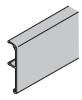
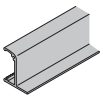
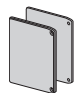
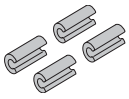
Additional components			Material	Finish	Wall distance center track mm	Length mm	Cat. No.
	⑩	Wall mounting bracket with screw and nut, for running track ①	Steel	Galvanized	16–25	36	940.42.061
					18–33	44	940.62.061
					33–55	64	940.42.063
	⑪	Wall mounting bracket bar, for running track	Aluminium	Clear anodized	–	2,000	940.43.720
						3,000	940.43.730
						4,000	940.43.740
						6,000	940.43.760
	⑫	Mounting holder, to mount track ① onto wall mounting bracket ⑪	Steel	Galvanized	–	–	940.43.024
	⑬	Mounting key tool	Steel	Galvanized	–	–	940.43.032

Note

Please install wall mounting bracket ⑩ and mounting holder ⑫ every 400 mm.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Tracks, components and accessories

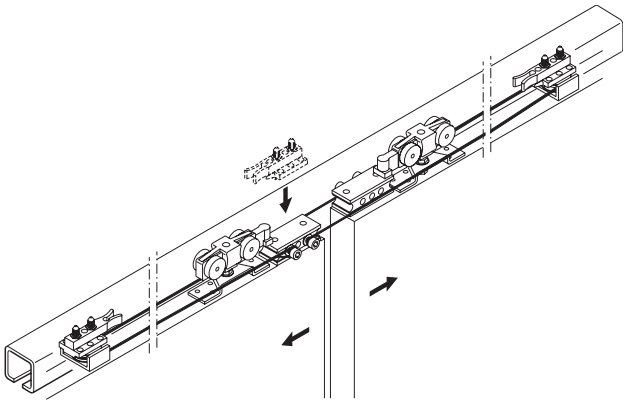
Cover plates and accessories			Material	Finish	Length mm	Cat. No.
	Ⓕ	Clip cover plate for running track ①, ② height 56 mm	Aluminium	Clear anodized	2,000	940.43.123
					3,000	940.43.133
					4,000	940.43.143
					6,000	940.43.163
	Ⓒ	Clip cover plate for running track ①, ② height 68 mm	Aluminium	Clear anodized	2,000	940.43.120
					3,000	940.43.130
					4,000	940.43.140
					6,000	940.43.160
				Stainless steel coloured anodized	2,000	940.43.122
					3,000	940.43.132
					4,000	940.43.142
					6,000	940.43.162
	Ⓓ	Clip cover plate for running track ①, ② height 68 mm	Aluminium	Clear anodized	2,000	940.43.220
					3,000	940.43.230
					4,000	940.43.240
					6,000	940.43.260
	Ⓔ	Clip cover plate for wall bracket ⑪, height 90 mm	Aluminium	Clear anodized	2,000	940.43.320
					3,000	940.43.330
					4,000	940.43.340
					6,000	940.43.360
	Ⓖ	Clip cover plate for running track ①, lowered ceiling integration	Aluminium	Clear anodized	2,000	940.43.620
					3,000	940.43.630
					4,000	940.43.640
					6,000	940.43.660
		Side cover for cover plate, for running track ① and cover Ⓕ	Plastic	Sliver coloured	–	940.43.028
		Side cover for cover plate, for running track ① and cover Ⓒ	Plastic	Sliver coloured	–	940.43.031
				Stainless steel coloured		940.43.036
		Side cover for cover plate, for running track ① and cover Ⓓ	Plastic	Sliver coloured	–	940.43.030
		Side cover for cover plate, for running track ② and cover Ⓒ	Plastic	Sliver coloured	–	940.43.020
		Side cover for cover plate, for wall bracket ⑪ and cover Ⓓ	Plastic	Sliver coloured	–	940.43.023
	Ⓝ	Fixing clip set, 4 pcs. for wall bracket ⑪ and cover Ⓔ	Plastic	Black	–	940.43.022
	Ⓞ	Fixing clip for wood cover for running track ①, ②	Aluminium	Clear anodized	–	940.43.025

Note

Please install fixing clip Ⓝ and Ⓞ every 400 mm

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Additional set Classic Synchro SLIDO



Feature

- For Slido Classic 40-P/80-P/120-P
- Symmetrical opening of 2-leaf doors
- Low wear and tear with quiet running action

Technical data

- Max. door weight per leaf: 40–120 kg
- Min. door width: 600 mm

For 1 synchro set please order:

2 Sets of 1-leaf sliding door fitting for required weight
40, 80 or 120 kg (940.42.005, 940.82.100 or 941.02.100)
1 Set of Classic Synchro fitting (940.44.000)
1 Track in required length 2,000; 3,000; 4,000 or 6,000 mm
(940.43.922/932/942/962)
Additional you can order the accordingly clip cover plate and thr end cap set, please see page 5.24

Note

The additional set can only be used in combination with standard equipment consisting of 2 sets for 1-leaf sliding doors (Classic 40-P/80-P/120-P) and running track. Not suitable for versions with soft and self closing mechanism.

Synchro fitting set	Cat. No.
For 2-leaf door without soft closing mechanism	940.44.000

Set consisting of		For 2-leaf doors	Cat. No.
	Track buffer with deflection roller	2 pcs.	940.44.070
	Cable mounting block	2 pcs.	940.44.073
	Cable with plastic coating 10 m	1 pc.	940.44.072

Order reference

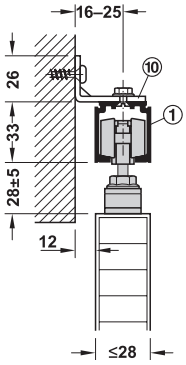
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Order reference

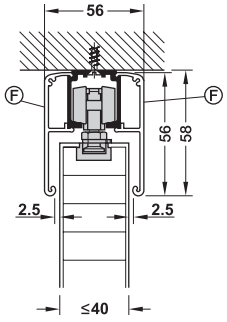
Classic 40-P/80-P/120-P ..... page 5.15

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

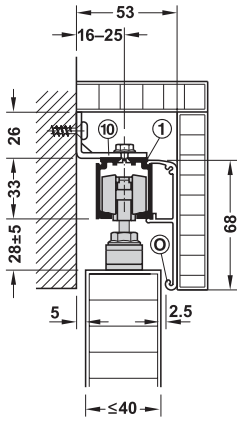
Sliding door application for Classic P/K/O and Synchro SLIDO



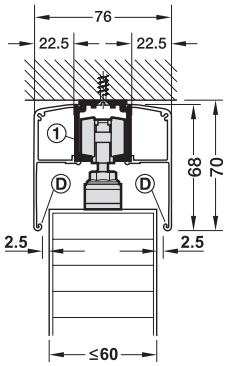
Wall mounting with wall mounting bracket



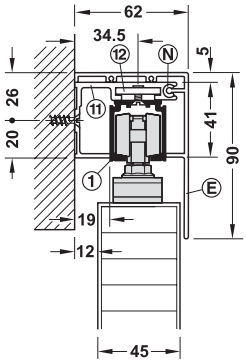
Ceiling installation with running track mounting bracket and wide clip panel 56 mm



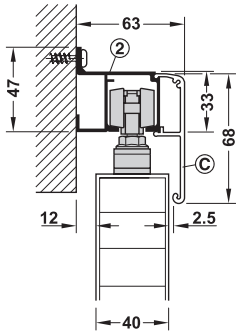
Wall mounting with mounting bracket and fixing clip for wooden panel



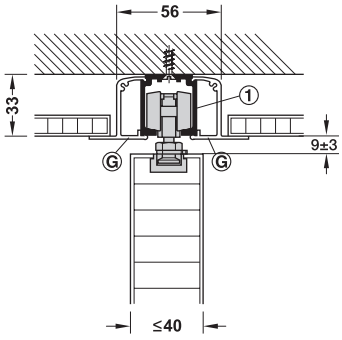
Ceiling installation with running track mounting and wide clip panel 68 mm



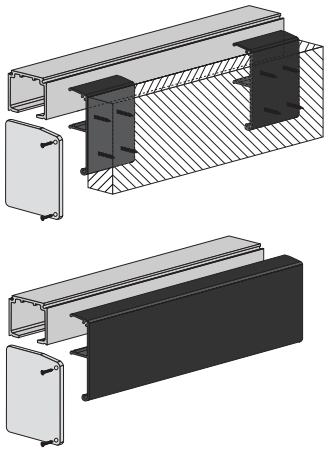
Wall mounting with wall bracket and clip panel 90 mm

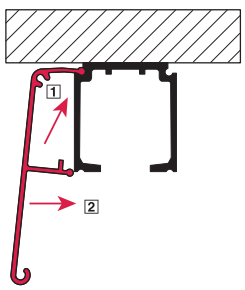


Wall mounting with running track and clip panel 68 mm



Ceiling installation with running track and 2xclip panel for integration in suspended ceilings





First click into position 1, than to position 2

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Hilton, Sydney,
Australia
Architecture: Group GSA



Emirates Palace, Abu Dhabi,
United Arab Emirates
Architecture:
John Elliot & Wimberly Allison
Tong & Goo, Inc.

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Sliding door fitting Classic 160-P SLIDO





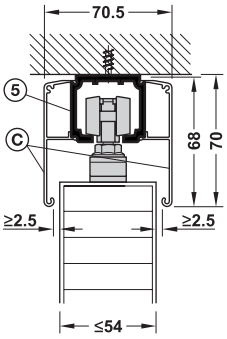
Feature

- For 1- leaf and 2- leaf sliding door
- Door height adjustable
- Suspension with screw on support flange

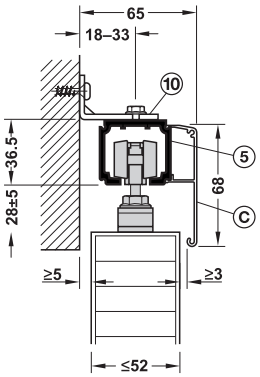
Technical data

- Max. door weight per leaf: 160 kg

Ceiling installation and wall mounting

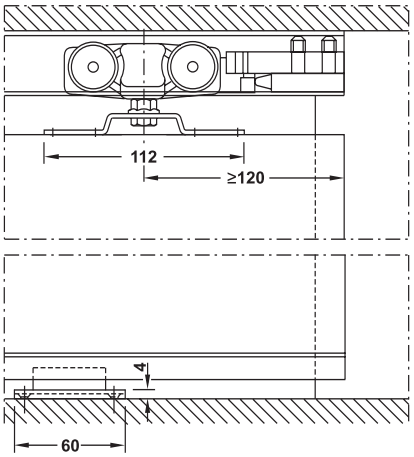


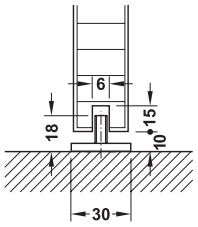
Ceiling installation with clip cover plate



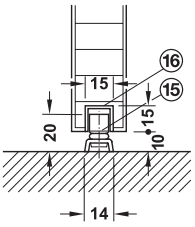
Wall installation with clip cover plate

Section trolley hanger and guide





Floor guide without guide track in door leaf



Floor guide with U-shaped guide track in door leaf and floor guide roller

Sliding door fitting set, without running track		Version	Cat. No.
–	Without soft closing mechanism	A	941.62.004

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

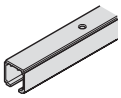
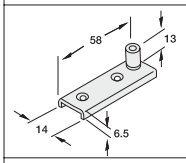
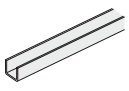
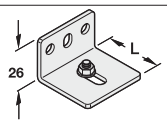
Version A without soft closing mechanism



Set consisting of		For 1 door	Cat. No.
	Running gear, 4 wheel, suspension screw with nut and support flange for screw fixing	2 pcs.	941.62.013
	Floor guide, plastic	1 pc.	940.42.034
	Track buffer with retaining spring and rubber buffer, plastic	2 pcs.	941.62.042

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

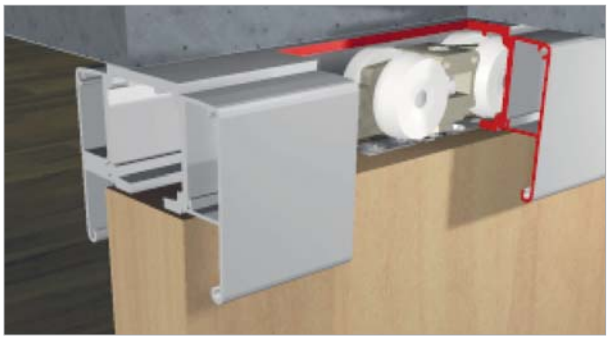
Tracks and accessories			Material	Finish	Wall distance mm	Length mm	Cat. No.
	⑤	Running track, pre-drilled 40.5x36.5 mm(WxH)	Aluminium	Clear anodized	–	2,000	941.62.721
						3,000	941.62.731
						4,000	941.62.741
						6,000	941.62.761
	Ⓒ	Clip cover, height 68 mm	Aluminium	Clear anodized	–	2,000	940.43.120
						3,000	940.43.130
						4,000	940.43.140
						6,000	940.43.160
	Ⓙ	Side cover for cover plate, Height x width: 68 x 59 mm	Plastic	Silver coloured	–	–	940.43.020
	⑮	Floor guide roller, Ø10 mm	Steel	Galvanized	–	–	940.42.032
	⑯	U-shaped guide track, 15 x 15 x 1.5 mm	Aluminium	Clear anodized	–	2,000	940.42.201
						3,000	940.42.301
						4,000	940.42.401
						6,000	940.42.601
	⑩	Wall mounting bracket, with screw	Steel	Galvanized	16–25	36	940.42.061
					18–33	44	940.62.061
					33–55	64	940.42.063

Note

Please install wall mounting bracket and mounting holder every 400 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 160-K SLIDO





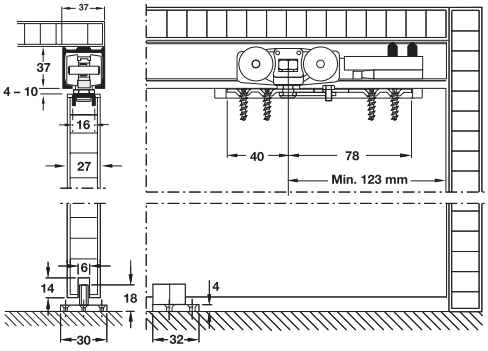
Feature

- For 1- leaf and 2- leaf sliding door
- Door height adjustable
- Suspension fitting with conceal support flange

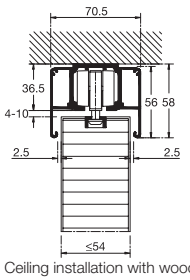
Technical data

- Max. door weight per leaf: 160 kg

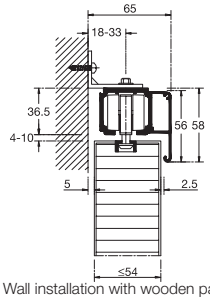
Section trolley hanger and guide



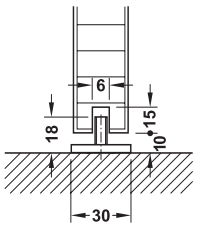
Ceiling installation and wall mounting



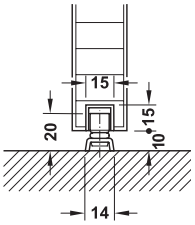
Ceiling installation with wooden panel



Wall installation with wooden panel



Floor guide without guide track in door leaf



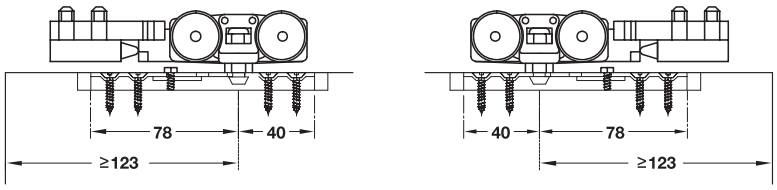
Floor guide with U-shaped guide track in door leaf and floor guide roller

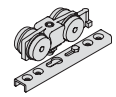
Sliding door fitting set, without running track		Version	Cat. No.
–	Without soft closing mechanism	A	941.62.000

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

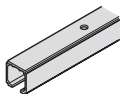
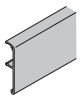
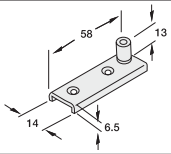
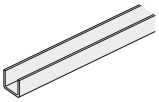
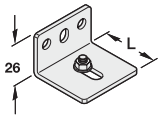
Version A without soft closing mechanism



Set consisting of		For 1 door	Cat. No.
	Running gear, 4 wheels, suspension screw with nut and concealed flange clip for screw mounting	2 pcs.	941.62.014
	Floor guide, plastic	1 pc.	940.42.034
	Track buffer with retaining spring and rubber buffer, plastic	2 pcs.	941.62.042

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Tracks and accessories		Material	Finish	Wall distance mm	Length mm	Cat. No.
	Running track, pre-drilled 40.5 x 36.5 mm (W x H)	Aluminium	Clear anodized	–	2,000	941.62.721
					3,000	941.62.731
					4,000	941.62.741
					6,000	941.62.761
	Cover plate, height 56 mm	Aluminium	Clear anodized	–	2,000	940.43.123
					3,000	940.43.133
					4,000	940.43.143
					6,000	940.43.163
	Side cover for cover plate, height 56 mm	Plastic	Silver coloured	–	–	940.43.037
	Floor guide roller, Ø10 mm	Steel	Galvanized	–	–	940.42.032
	U-shaped guide track, 15 x 15 x 1.5 mm	Aluminium	Clear anodized	–	2,000	940.42.201
					3,000	940.42.301
					4,000	940.42.401
					6,000	940.42.601
	Wall mounting bracket, with screw	Steel	Galvanized	16–25	36	940.42.061
				18–33	44	940.62.061
				33–55	64	940.42.063

Note

Please install wall mounting bracket and mounting holder every 400 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 160-O SLIDO





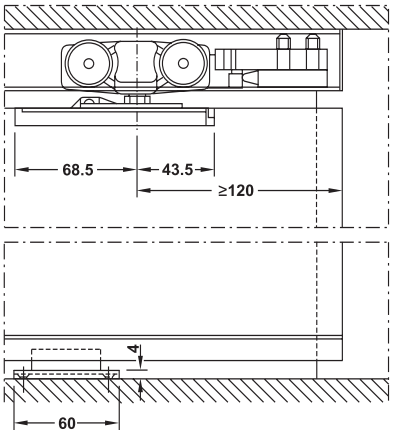
Feature

- For 1- leaf and 2- leaf sliding door
- Door height adjustable
- Suspension without flange clips for hooking in (without tool)

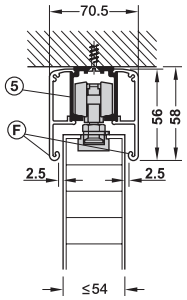
Technical data

- Max. door weight per leaf: 160 kg

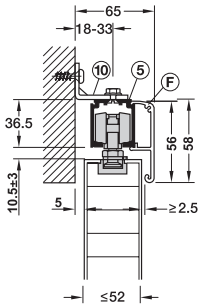
Section trolley hanger and guide



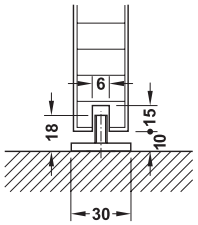
Ceiling installation and wall mounting



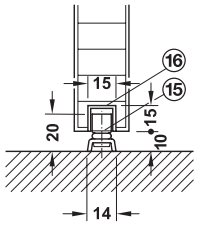
Ceiling installation with clip panel



Wall installation with clip panel

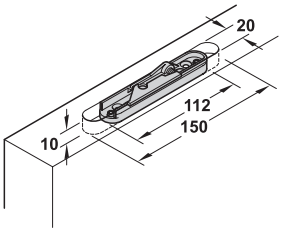


Floor guide without guide track in door leaf

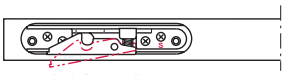


Floor guide with U-shaped guide track in door leaf an floor guide roller

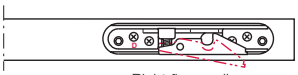
Routing dimension



Installation



Left flange clip



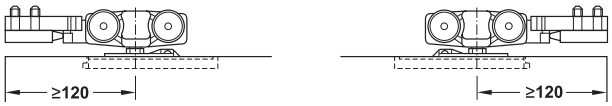
Right flange clip

Sliding door fitting set		Version	Cat. No.
–	Without soft closing mechanism	A	941.62.006

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Version A without soft closing mechanism

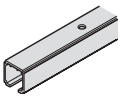
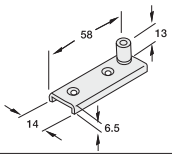
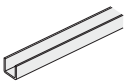
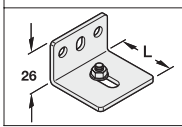


Set consisting of		Mounting	For 1 door	Cat. No.
	Running gear, 4 wheels, suspension screw with nut, flange clip for hooking in (without tools)	Left	1 pc.	941.62.016
		Right	1 pc.	941.62.017
	Floor guide, plastic	–	1 pc.	940.42.034
	Track buffer with retaining spring and rubber buffer, plastic	–	2 pcs.	941.62.042

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

5

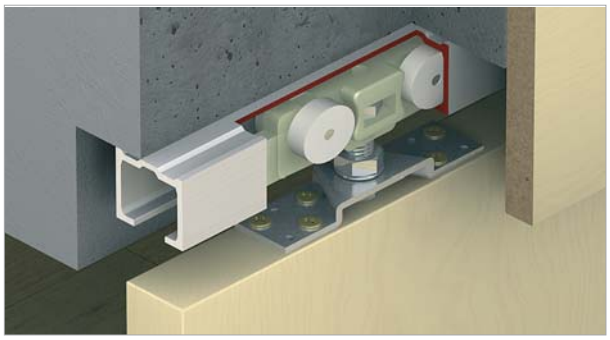
Tracks and accessories			Material	Finish	Wall distance mm	Length mm	Cat. No.
	⑤	Pre-drilled 40.5 x 36.5 mm (W x H)	Aluminium	Clear anodized	–	2,000	941.62.721
						3,000	941.62.731
						4,000	941.62.741
						6,000	941.62.761
	Ⓕ	Cover plate, height 56 mm	Aluminium	Clear anodized	–	2,000	940.43.123
						3,000	940.43.133
						4,000	940.43.143
						6,000	940.43.163
		Side cover for cover plate, height 56 mm	Plastic	Silver coloured	–	–	940.43.037
	⑮	Floor guide roller, Ø10 mm	Steel	Galvanized	–	–	940.42.032
	⑯	U-shaped guide track, 15 x 15 x 1.5 mm	Aluminium	Clear anodized	–	2,000	940.42.201
						3,000	940.42.301
						4,000	940.42.401
						6,000	940.42.601
	⑩	Wall mounting bracket, with screw	Steel	Galvanized	16–25	36	940.42.061
					18–33	44	940.62.061
					33–55	64	940.42.063

Note

Please install wall mounting bracket and mounting holder every 400 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 250-P SLIDO





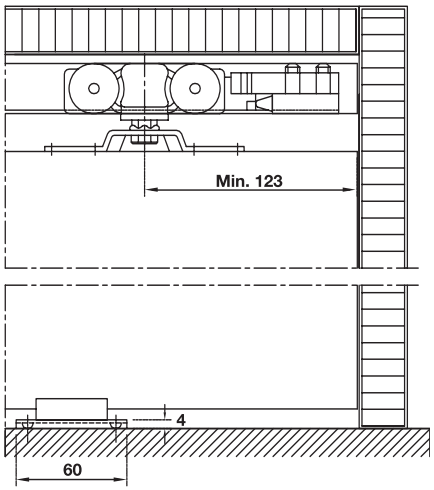
Feature

- For 1- leaf and 2- leaf sliding door
- Door height adjustable
- Suspension with screw on support flange

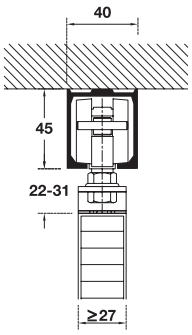
Technical data

- Max. door weight per leaf: 250 kg

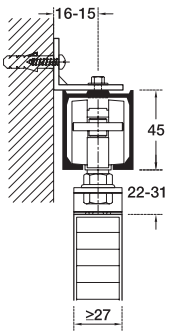
Selection guide and trolley hanger



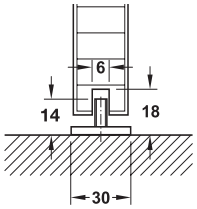
Ceiling installation and wall mounting



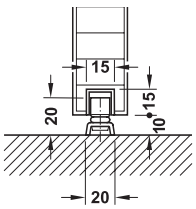
Ceiling installation with wooden panel



Wall installation with wooden panel



Floor guide without guide track in door leaf



Floor guide with U-shaped guide track in door leaf an floor guide roller

Sliding door fitting set, without running track		Version	Cat. No.
–	Without soft closing mechanism	A	942.34.001

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Version A without soft closing mechanism

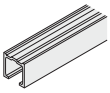
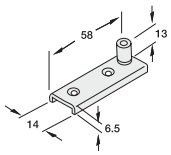
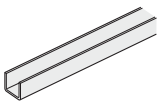
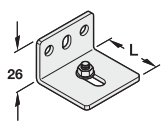


Set consisting of		For 1 door	Cat. No.
	Running gear, 4 wheels, suspension screw with nut, support flange for screw mounting	2 pcs.	942.34.012
	Floor guide, plastic	1 pc.	940.42.034
	Track buffer with retaining spring and rubber buffer, plastic	2 pcs.	942.34.041
	Mounting key tool	1 pc.	940.43.032

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

5

Tracks and accessories		Material	Finish	Wall distance mm	Length mm	Cat. No.
	Running track 40 x 45 mm (W x H)	Aluminium	Clear anodized	–	2,000	942.34.920
					3,000	942.34.930
					4,000	942.34.940
					6,000	942.34.960
	Floor guide roller, Ø10 mm	Steel	Galvanized	–	–	940.42.032
	U-shaped guide track, 15 x 15 x 1.5 mm	Aluminium	Clear anodized	–	2,000	940.42.201
					3,000	940.42.301
					4,000	940.42.401
					6,000	940.42.601
	Wall mounting bracket, with screw	Steel	Galvanized	16–25	36	940.42.061
				18–33	44	940.62.061
				33–55	64	940.42.063

Note

Install wall mounting bracket and mounting holder every 400 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 250-O SLIDO





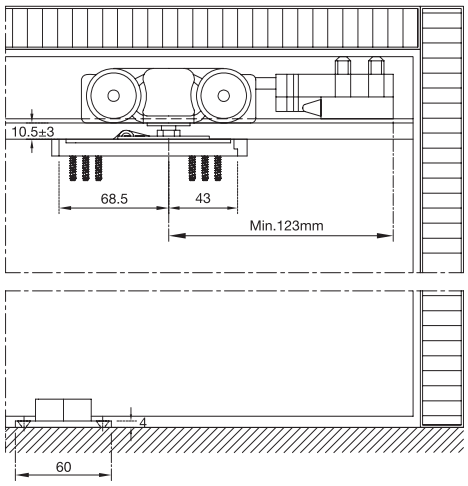
Feature

- For 1- leaf and 2- leaf sliding door
- Door height adjustable
- Suspension fitting with flange clip, for hooking in (without tool)

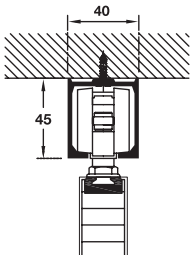
Technical data

- Max. door weight per leaf: 250 kg

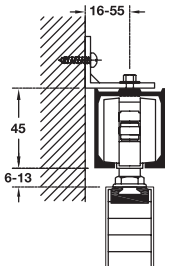
Section guide and trolley hanger



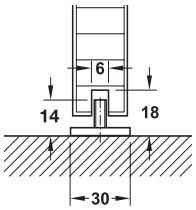
Ceiling installation and wall mounting



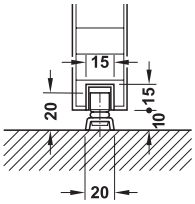
Ceiling installation with wooden panel



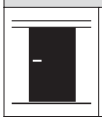
Wall installation with wooden panel



Floor guide without guide track in door leaf



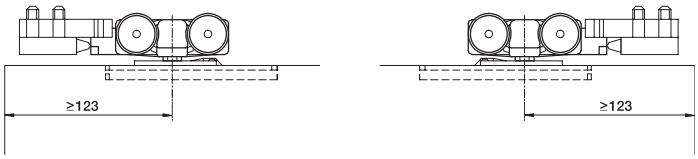
Floor guide with U-shaped guide track in door leaf an floor guide roller

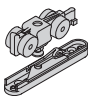
Sliding door fitting set, without running track		Version	Cat. No.
	Without soft closing mechanism	A	942.34.003

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Version A without soft closing mechanism

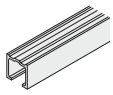
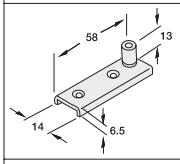
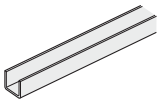
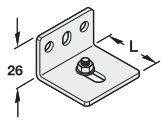


Set consisting of		For 1 door	Cat. No.
	Running gear, 4 wheels, suspension screw with nut, clip for hooking in (without tools)	2 pcs.	941.36.013
	Floor guide, plastic	1 pc.	940.42.034
	Track buffer with retaining spring and rubber buffer, plastic	2 pcs.	942.34.041
	Mounting key tool	1 pc.	940.43.032

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

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Tracks and accessories		Material	Finish	Wall distance mm	Length mm	Cat. No.
	Running track 40 x 45 mm (W x H)	Aluminium	Clear anodized	–	2,000	942.34.920
					3,000	942.34.930
					4,000	942.34.940
					6,000	942.34.960
	Floor guide roller, Ø10 mm	Steel	Galvanized	–	–	940.42.032
	U-shaped guide track, 15 x 15 x 1.5 mm	Aluminium	Clear anodized	–	2,000	940.42.201
					3,000	940.42.301
					4,000	940.42.401
					6,000	940.42.601
	Wall mounting bracket with screw	Steel	Galvanized	16–25	36	940.42.061
				18–33	44	940.62.061
				33–55	64	940.42.063

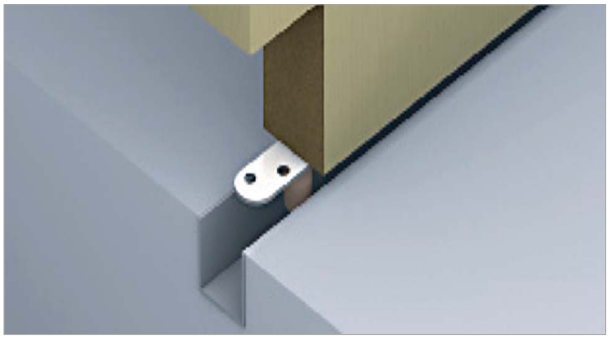
Note

Please install wall mounting bracket and mounting holder every 400 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 400-Q SLIDO





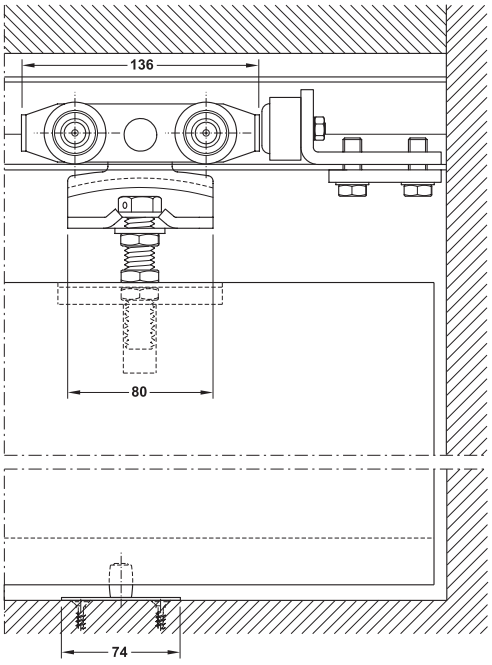
Feature

- For 1- leaf and 2- leaf sliding door
- Door height adjustable
- Suspension fitting with screwed-on support flange
- Low wear and tear

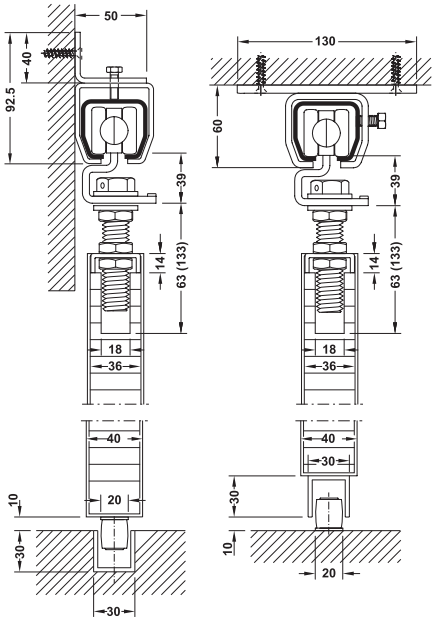
Technical data

- Max. door weight per leaf: 400 kg
- Min. door thickness: 36 mm

Section guide and trolley hanger



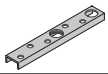
Ceiling installation and wall mounting



Sliding door fitting set, without running track		Cat. No.
–	Without soft closing mechanism	942.61.000

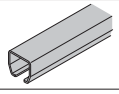
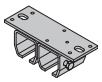
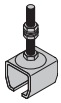
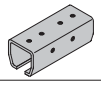
Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		For 1 door	Cat. No.
	Running gear, 2 rollers, with suspension screw	2 pcs.	942.61.012
	Support flange, screw fixing	2 pcs.	942.61.020
	End stopper left/right	2 pcs.	942.61.040
	Floor guide	1 pc.	942.61.030

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

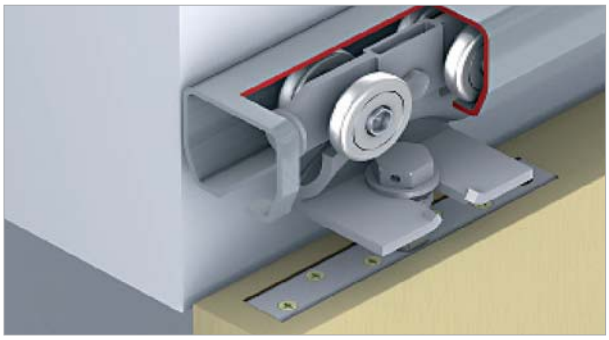
Tracks and accessories		Material	Finish	Length mm	Cat. No.
	Running track, not drilled	Steel	Galvanized	3,000	942.61.930
				6,000	942.61.960
	Guide track, not drilled	Aluminium	Silver coloured anodized	3,000	942.61.830
				6,000	942.61.860
	Ceiling fixing bracket for 1 running track	Steel	Galvanized	–	942.61.080
	Ceiling fixing bracket for 2 running track	Steel	Galvanized	–	942.61.081
	Wall fixing bracket for 1 running track	Steel	Galvanized	–	942.61.082
	Wall fixing bracket for 2 running tracks	Steel	Galvanized	–	942.61.083
	Wall bracket for height adjustable sleeve	Steel	Galvanized	–	942.61.084
	Wall bracket for height adjustable sleeve	Steel	Galvanized	–	942.61.085
	Height adjust sleeve	Steel	Galvanized	–	942.61.086
	Connecting sleeve	Steel	Galvanized	–	942.61.087

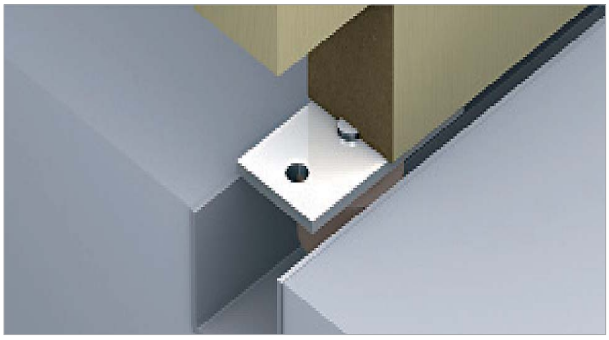
Note

Please install wall mounting bracket and mounting holder every 700 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 500-Q/750-Q SLIDO



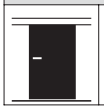


Feature

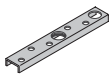
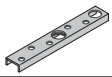
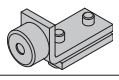
- For 1- leaf and 2- leaf sliding door
- Door height adjustable
- Suspension fitting with screwed-on support flange
- Low wear and tear

Technical data

- Max. door weight per leaf: 500–750 kg

Sliding door fitting set, without running track		Set	Cat. No.
	Without soft closing mechanism	500-Q	942.61.002
		750-Q	942.61.001

Packing: 1 set

Set consisting of		For 1 door	Cat. No.
500-Q			
	Running gear, 2 rollers with suspension screw, door weight 500 kg	2 pcs.	942.61.016
	Support flange, for screw fixing	2 pcs.	942.61.022
750-Q			
	Running gear, 2 rollers with suspension screw, door weight up to 750 kg	2 pcs.	942.61.015
	Support flange, for screw fixing	2 pcs.	942.61.021
500-Q/750-Q			
	End stopper left/right	2 pcs.	942.61.041
	Floor guide	1 pc.	942.61.032

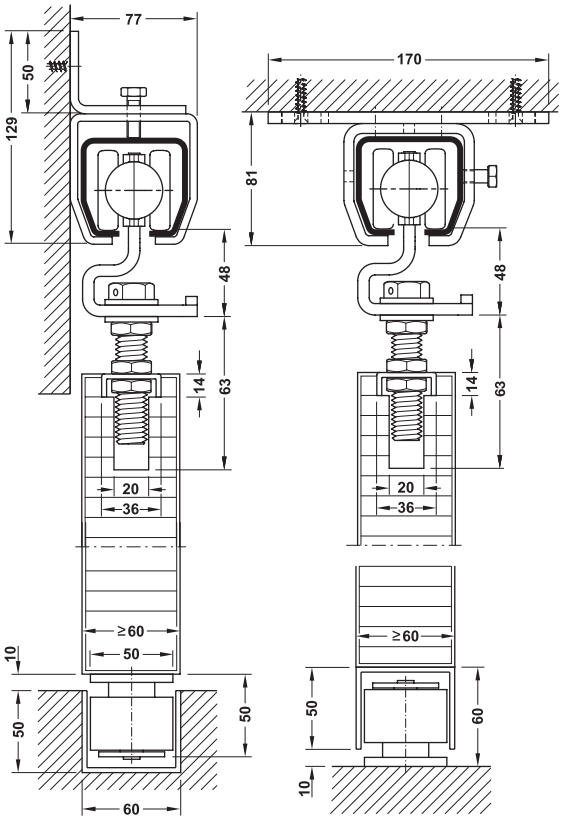
Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

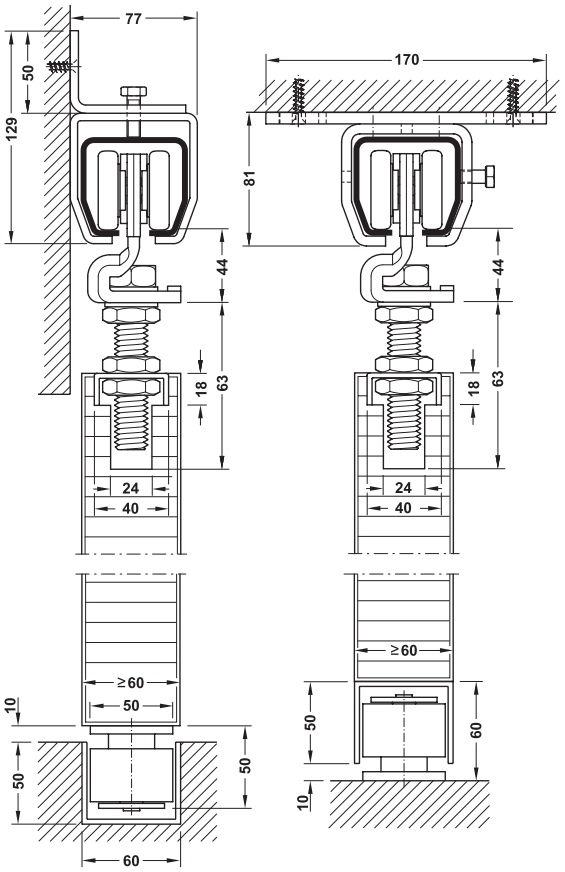
Classic 500-Q

Ceiling installation and wall mounting

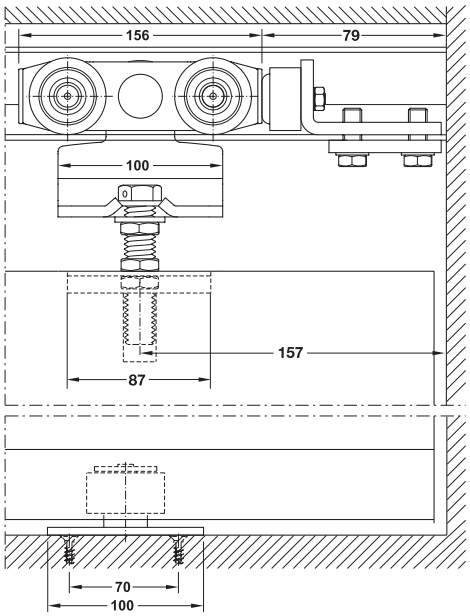


Classic 750-Q

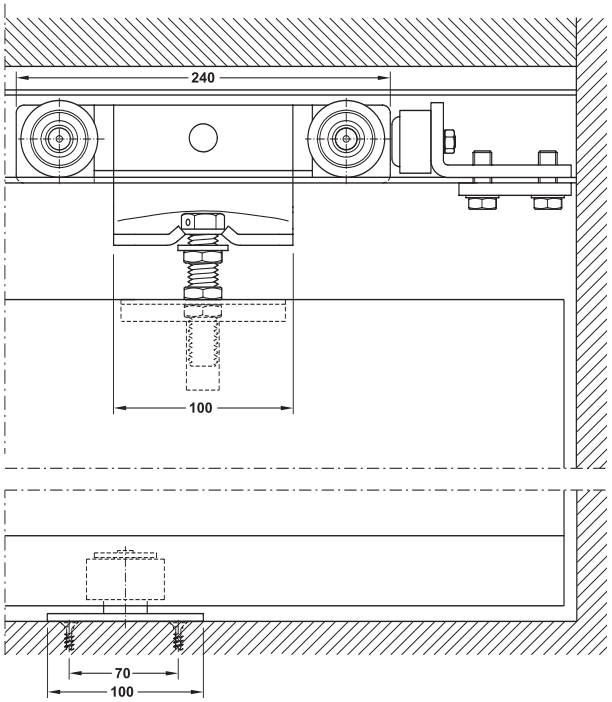
Ceiling installation and wall mounting



Section guide and trolley hanger 500-Q



Section guide and trolley hanger 750-Q

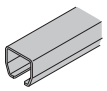
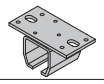
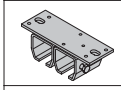
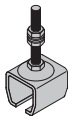
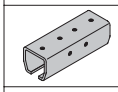


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We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

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Sliding door fitting Classic 500-Q/750-Q SLIDO

Tracks and accessories		Material	Finish	Length mm	Cat. No.
	Running track, not drilled	Steel	Galvanized	3,000	942.61.730
				6,000	942.61.760
	Guide track, not drilled	Steel	Galvanized	6,000	942.61.660
	Ceiling fixing bracket for 1 running track	Steel	Galvanized	–	942.61.090
	Ceiling fixing bracket for 2 running track	Steel	Galvanized	–	942.61.091
	Wall fixing bracket for 1 running track	Steel	Galvanized	–	942.61.092
	Wall fixing bracket for 2 running track	Steel	Galvanized	–	942.61.093
	Wall bracket for height adjustable sleeve	Steel	Galvanized	–	942.61.094
	Wall bracket for lateral adjustable sleeve	Steel	Galvanized	–	942.61.095
	Fixing bracket with long rod	Steel	Galvanized	–	942.61.096
	Connecting bracket	Steel	Galvanized	–	942.61.097
	Alternative floor guide with M14 threaded pin	Steel	Galvanized	–	942.61.031

Note

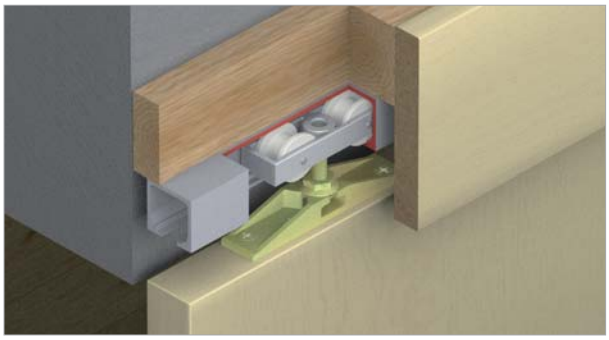
Please install wall mounting bracket and mounting holder every 700 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 40/Z HAWA





Features

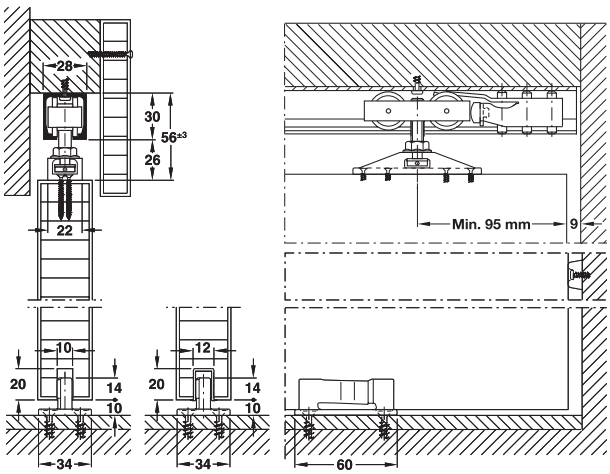
- For 1- and 2-leaf sliding doors
- Height and side adjustable door leaves
- Two way suspension
- Track buffer with adjustable retainer
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

Technical data

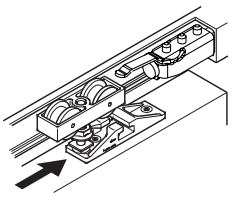
- Max. weight per door leaf: 40 kg

Material

- Running gear with plastic rollers
- Floor guide free of play plastic

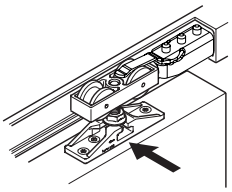


The two-way suspension allows the assembly and removal of the door leaves by two different methods:



Side installation

The assembly and removal of the door leaves is possible without removing an existing cover panel.



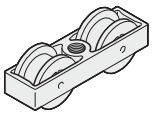
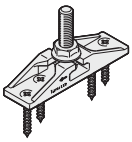
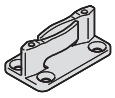
Front installation

The front cover panel must be removable

Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	940.40.001

Packing: 1 set

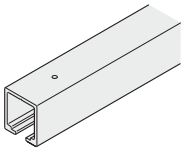
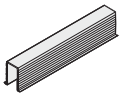
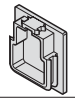
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		For 1 door	Cat. No.
	Running gear, 2-wheel, screw M8	2 pcs.	940.40.012
	Two way suspension with suspension screw M8	2 pcs.	940.40.022
	Track buffer with adjustable retainer	1 pc.	940.40.041
	Rubber wall buffer	1 pc.	940.40.051
	Floor guide free of play	1 pc.	940.40.031
	Height adjusting pin	1 pc.	940.40.091

Order reference

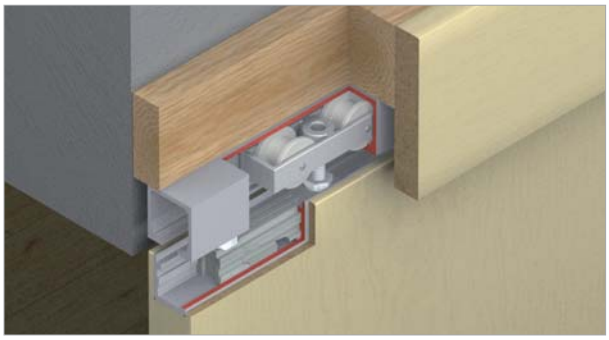
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

5

Tracks and accessories		Material	Finish	Length mm	Cat. No.
	Running track, pre-drilled	Aluminium	Silver coloured anodized	2,000	940.40.200
				3,000	940.40.300
				4,000	940.40.400
				6,000	940.40.600
			Stainless steel coloured	4,000	940.40.404
				6,000	940.40.604
	Guide channel	Plastic	Black	1,300	940.41.130
	Cover cap for running track	Plastic	Anthracite	-	940.40.066

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 40/B HAWA





Features

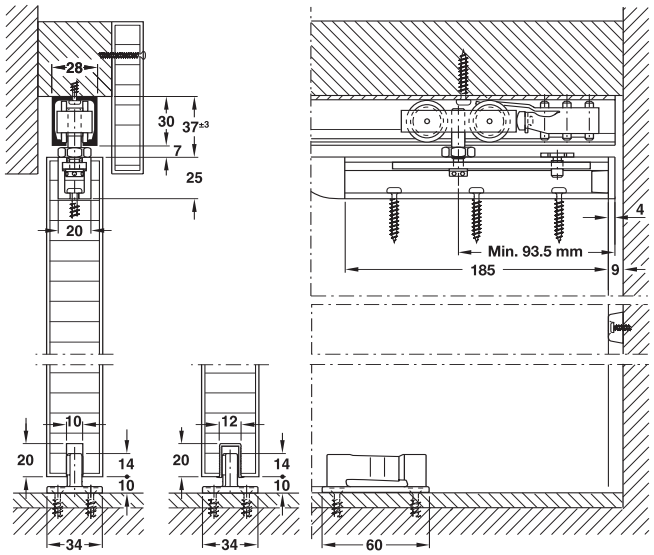
- For 1- and 2-leaf sliding doors
- Minimum installation height
- Height adjustable door leaves
- Suspension with support profile
- Track buffer with adjustable retainer
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

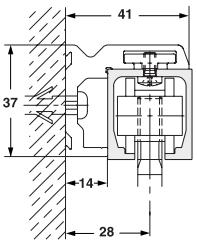
Technical data

- Max. weight per door leaf: 40 kg

Material/Finish

- Running gear with plastic rollers
- Cover cap rubber grey
- Floor guide free of play plastic





Optional fixing method

Side-fixing angle profile

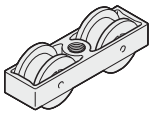
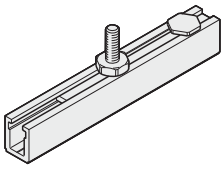
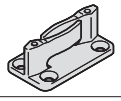
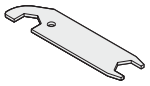
Max. door thickness 42 mm

For full details please see page 5.144

Sliding door fitting set, without running track		Cat. No.
–	Without soft closing mechanism	940.40.002

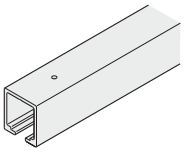
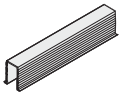
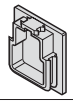
Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		For 1 door	Cat. No.
	Running gear 2-wheel M8	2 pcs.	940.40.012
	Support profile with suspension carriage and suspension screw M8	2 pcs.	940.40.019
	Cover cap	2 pcs.	940.40.029
	Track buffer with adjustable retainer	1 pc.	940.40.041
	Rubber wall buffer	1 pc.	940.40.051
	Floor guide free of play	1 pc.	940.40.031
	Spanner for suspension carriage	1 pc.	940.40.092
	Allen key 4 mm	1 pc.	940.40.097

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track, pre-drilled	Aluminium	Silver coloured anodized	2,000	940.40.200
				3,000	940.40.300
				4,000	940.40.400
				6,000	940.40.600
			Stainless steel coloured	4,000	940.40.404
				6,000	940.40.604
	Guide channel	Plastic	Black	1,300	940.41.130
	Cover cap for running track	Plastic	Anthracite	-	940.40.066

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 60/Slimline HAWA



Features

- For 1- and 2-leaf sliding doors
- Height adjustable door leaves
- Track buffer with adjustable retainer
- Low wear and tear
- Quiet running action
- LGA tested to min.100,000 cycles (EN1527)

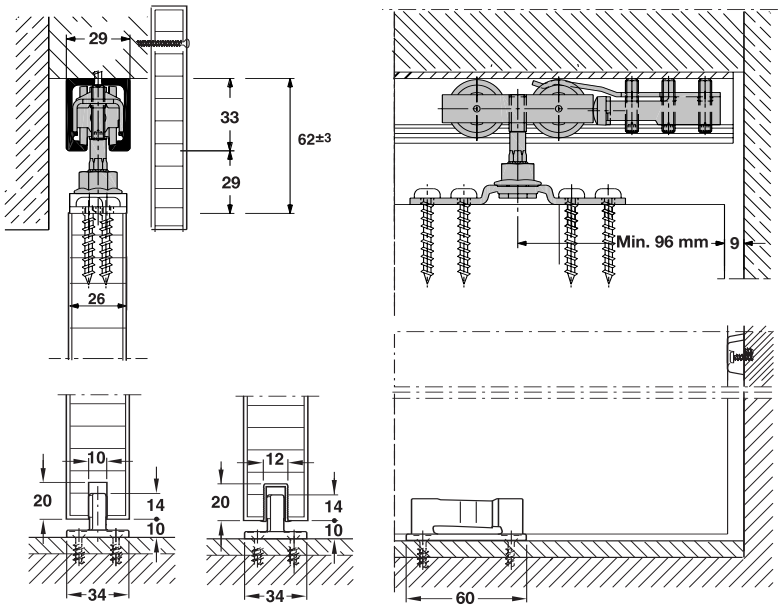
Technical data

- Max. weight per door leaf: 60 kg

Material

- Running gear with plastic rollers
- Floor guide free of play plastic

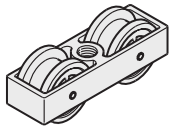
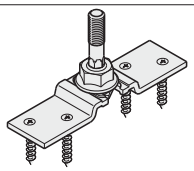
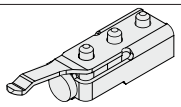
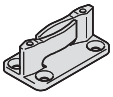
The Junior 60/Slimeline fitting is special developed for costal areas. All metal parts of running gear and suspension plate are made of stainless steel 316.



Sliding door fitting set, without running track		Cat. No.
–	Without soft closing mechanism	940.62.001

Packing: 1 set

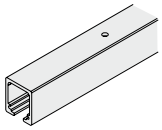
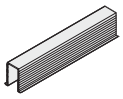
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		For 1 door	Cat. No.
	Running gear 2-wheel M10	2 pcs.	940.62.012
	Suspension in stainless steel with suspension screw M10	2 pcs.	940.41.026
	Track buffer with adjustable retainer	1 pc.	940.62.041
	Rubber wall buffer	1 pc.	940.40.051
	Floor guide free of play	1 pc.	940.40.031

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

5

Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.62.920
				3,000	940.62.930
				4,000	940.62.940
				6,000	940.62.960
	Guide channel	Plastic	Black	1,300	940.41.130

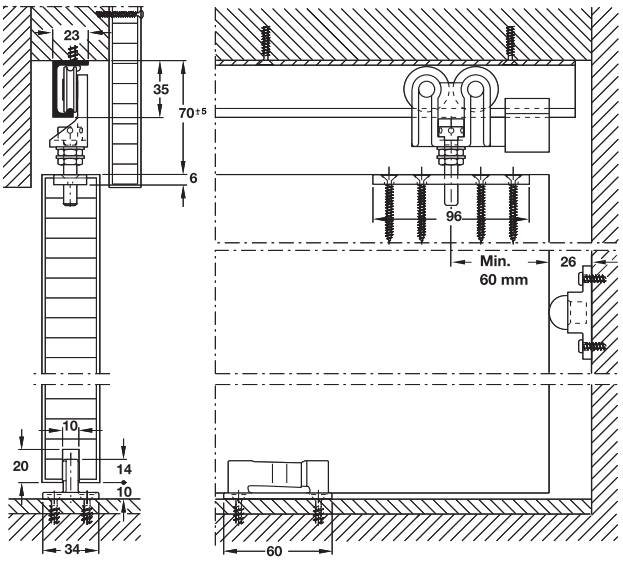
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Media 70 HAWA









Features

- For 1- and 2-leaf sliding doors
- Suitable for curved and straight sliding doors
- Height and side adjustable door leaves
- Suspension with suspension bracket
- Low wear and tear
- Quiet running action
- Bended version on request available

Technical data

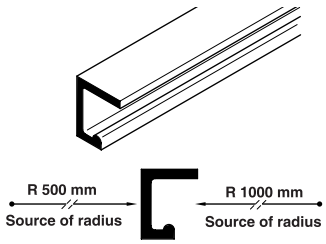
- Max. weight per door leaf: 70 kg

Material/Finish

- Running gear with precision ball bearing, plastic coated
- Floor guide free of play plastic

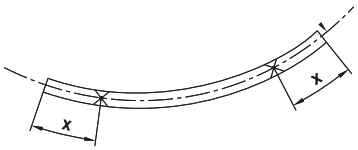
Curved track radii

Minimum radius details



Fixing

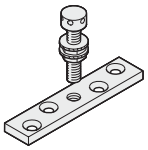
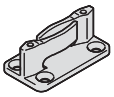
The suspension plates must be installed, such that they balance the sliding doors along the gravity line (Dimension X).



Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	942.17.000

Packing: 1 set

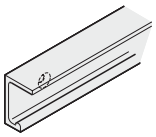
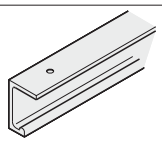
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of:		For 1 door	Cat. No.
	Running gear, 2-wheel, screw M8	2 pcs.	942.17.012
	Suspension plate with suspension screw and counter nut M8	2 pcs.	942.14.022
	Track buffer	1 pc.	942.14.041
	Wall buffer	1 pc.	942.04.051
	Floor guide free of play	1 pc.	940.40.031

Order reference

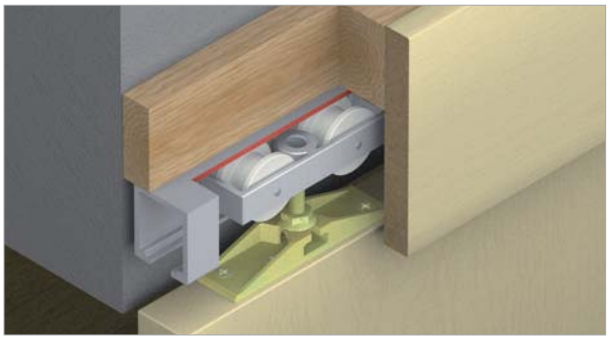
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

5

Running track		Material	Finish	Length mm	Cat. No.
	For wall installation	Aluminium	Silver coloured anodized	2,000	942.17.201
				3,000	942.17.301
				4,000	942.17.401
				6,000	942.17.601
	For ceiling installation	Aluminium	Silver coloured anodized	3,000	942.17.300
				6,000	942.17.600

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 80/Z HAWA





Features

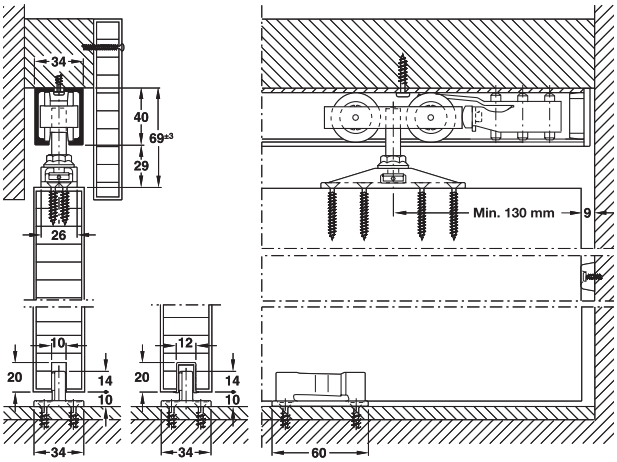
- For 1- and 2-leaf sliding doors
- Two way suspension
- Height and side adjustable door leaves
- Track buffer with adjustable retainer
- Low wear and tear
- Quiet running action
- LGA tested to min.100,000 cycles (EN1527)

Technical data

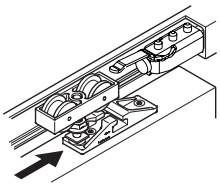
- Max. weight per door leaf: 80 kg

Material

- Running gear with plastic rollers
- Floor guide free of play plastic

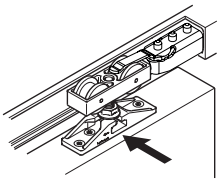


The two-way suspension allows the assembly and removal of the door leaves by two different methods:



Side installation

The assembly and removal of the door leaves is possible without removing an existing cover panel.



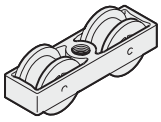
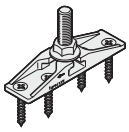
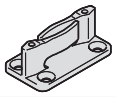
Front installation

The front cover panel must be removable

Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	940.80.001

Packing: 1 set

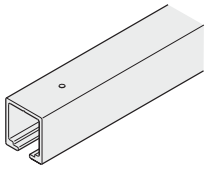
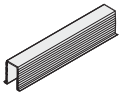
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of:		For 1 door	Cat. No.
	Running gear, 2-wheel, screw M10	2 pcs.	940.80.012
	Suspension in stainless steel with suspension screw M10 and mounting screws	2 pcs.	940.80.022
	Track buffer with adjustable retainer	1 pc.	940.80.041
	Rubber wall buffer	1 pc.	940.40.051
	Floor guide free of play	1 pc.	940.40.031
	Height adjusting pin	1 pc.	940.40.091

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

5

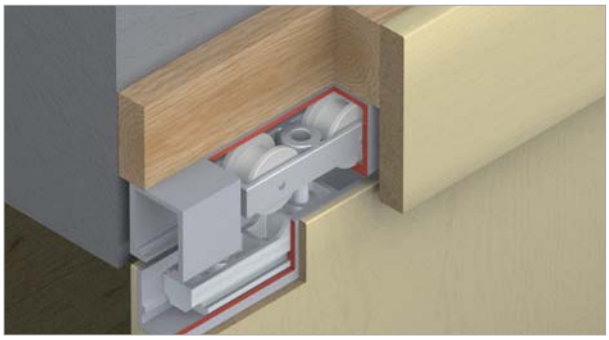
Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.80.200
				3,000	940.80.300
				4,000	940.80.400
				6,000	940.80.600
			Stainless steel coloured	4,000	940.80.404
				6,000	940.80.604
	Guide channel	Plastic	Black	1,300	940.41.130
	Cover cap for running track	Rubber	Antrracite	–	940.80.020

Order reference

Sliding door accessories ..... page 5.76
Soft close device ..... page 5.80

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 80/B HAWA





Features

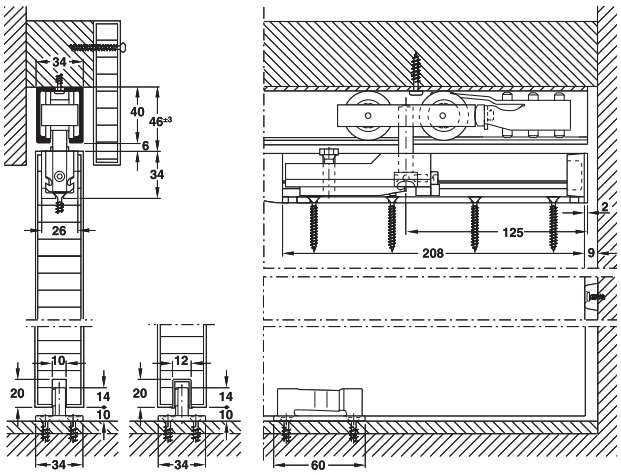
- For 1- and 2-leaf sliding doors
- Minimum installation height
- Height adjustable door leaves
- Suspension with support profile
- Track buffer with adjustable retainer
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

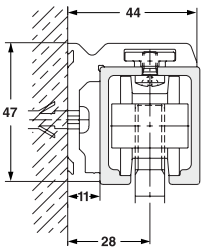
Technical data

- Max. weight per door leaf: 80 kg

Material/Finish

- Running gear with plastic rollers
- Cover cap for support profile rubber grey



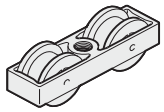
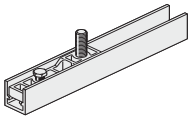
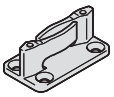
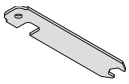


Optional fixing method
Side-fixing angle profile
Max. door thickness 42 mm
For full details please see page 5.144

Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	940.80.002

Packing: 1 set

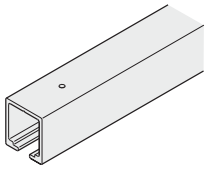
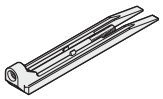
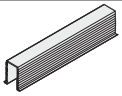
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		For 1 door	Cat. No.
	Running gear, 2-wheel, screw M10	2 pcs.	940.80.012
	Support profile with suspension carriage and suspension screw M10	2 pcs.	940.80.024
	Cover cap for support profile	2 pcs.	940.80.029
	Track buffer with adjustable retainer	1 pc.	940.80.041
	Rubber wall buffer	1 pc.	940.40.051
	Floor guide free of play	1 pc.	940.40.031
	Spanner for suspension carriage	1 pc.	940.80.092

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

5

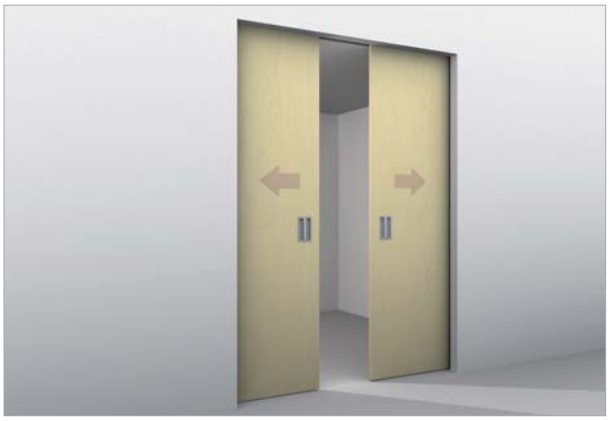
Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.80.200
				3,000	940.80.300
				4,000	940.80.400
				6,000	940.80.600
			Stainless steel coloured	4,000	940.80.404
				6,000	940.80.604
	Mounting wedge for sliding doors which run in the ceiling (Set of 2 pcs. for 1 sliding door)		–	–	940.80.050
	Guide channel	Plastic	Black	1,300	940.41.130
	Cover cap for running track	Plastic	Black	–	940.80.020

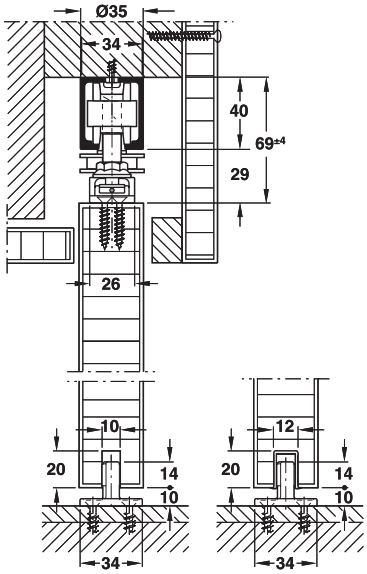
Order reference

Soft close device ..... page 5.80

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Symmetric 80/Z HAWA





Features

- For 2-leaf sliding doors
- Simultaneous opening of 2 door leaves



- Two way suspension
- Height and side adjustable door leaves
- Low wear and tear
- Quiet running action

Technical data

- Max. door weight per leaf: 80 kg
- Standard door width: 500–1,200 mm

Material

- Running gear with plastic rollers

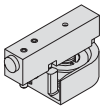
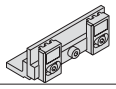
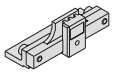
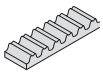
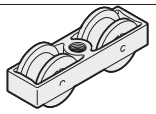
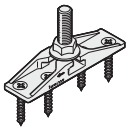
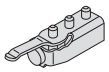
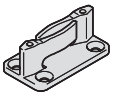
Required basic elements:

- 1 Running track

Sliding door fitting set, without running track	Cat. No.
Fitting for 2-leaf sliding doors	940.81.009

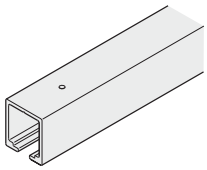
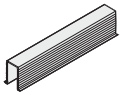
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We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		For 1 door	Cat. No.
	Guide pulley wheel	2 pcs.	940.80.086
	Toothed belt lock	1 pc.	947.00.055
	Driver, laterally adjustable	1 pc.	947.00.056
	Toothed belt, 10 m, black	1 pc.	947.00.037
	Running gear 2-wheel	4 pcs.	940.80.012
	Two way suspension with suspension screw M10	4 pcs.	940.80.022
	Track buffer with adjustable retainer	1 pc. 1 ชิ้น	940.80.041
	Rubber wall buffer	2 pcs.	940.40.051
	Floor guide free of play	2 pcs.	940.40.031
	Height adjusting pin	1 pc.	940.40.091

Order reference

For door widths of 1,200–2,400 mm please order an additional toothed belt and a toothed belt lock.

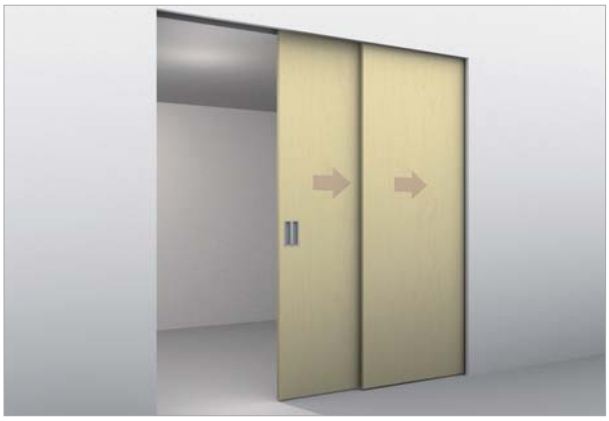
Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.80.200
				3,000	940.80.300
				4,000	940.80.400
				6,000	940.80.600
			Stainless steel coloured	4,000	940.80.404
				6,000	940.80.604
	Guide channel	Plastic	Black	1,300	940.41.130

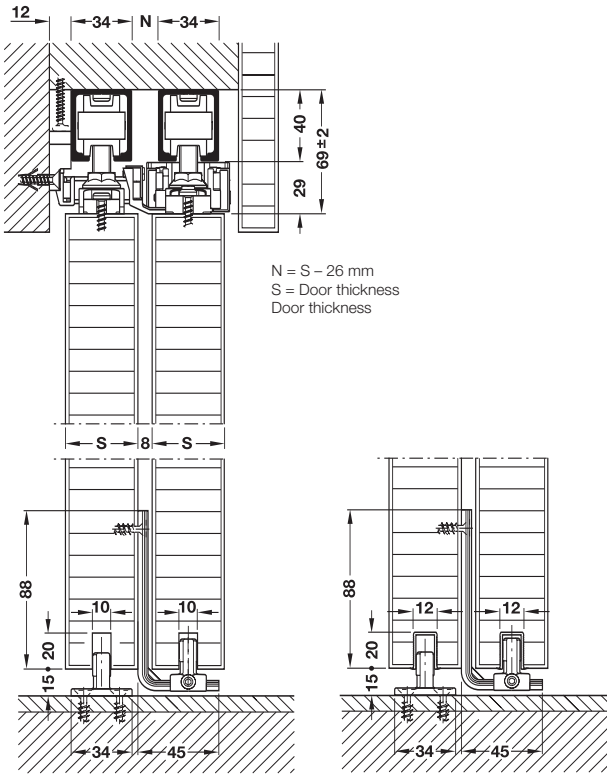
Order reference

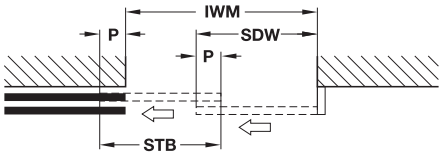
Soft close device ..... page 5.80

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Telescopic 80/2 HAWA







$$SDW = \frac{(2 \times P) + IWM}{2}$$

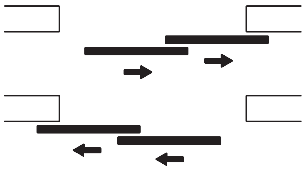
IWM = Internal width measurement

P = Width for floor guide with zero clearance (min. 75 mm)

SDW = Sliding door width

Features

- For 2-leaf sliding doors
- Parallel simultaneous opening of 2 door leaves



- Two way suspension
- Height and side adjustable door leaves
- Low wear and tear
- Quiet running action

Technical data

- Max. door weight per leaf: 80 kg
- Width of leaf: 500–1,200 mm

Material

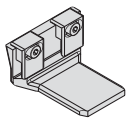
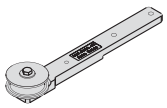
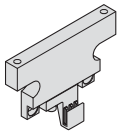
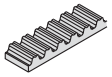
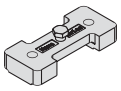
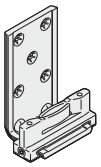
- Plastic side adjustable floor guide, free of play

Required basic elements:

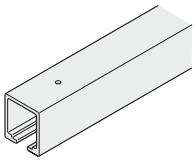
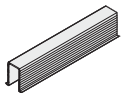
- 2 Sets of Junior 80/Z and 2 running tracks in addition to Telescopic 80/2 fitting set

Sliding door fitting set, without running track	Cat. No.
Fitting for 2-leaf sliding doors	940.81.007

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of:		For 1 door	Cat. No.
	Driver	1 pc.	947.00.050
	Guide pulley wheel, long	1 pc.	947.00.048
	Guide pulley wheel, short	1 pc.	947.00.049
	Toothed belt fixing device	1 pc.	947.00.053
	Toothed belt, 2.7 m, black	1 pc.	947.00.054
	Driver counter-plate, wide	1 pc.	947.00.051
	Floor guide comfort 120, 1-part	1 pc.	940.40.070

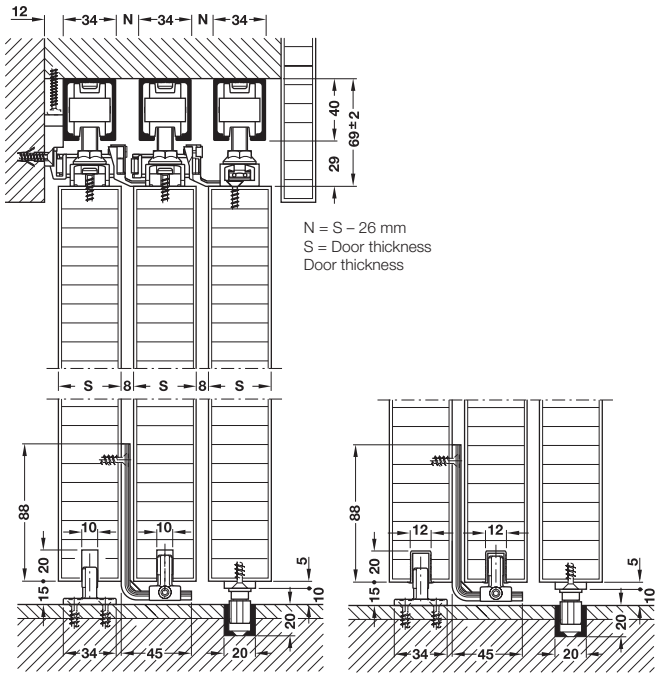
Sliding door fitting Junior 80/Z	Cat. No.
Fitting for 1-leaf sliding doors	940.80.001

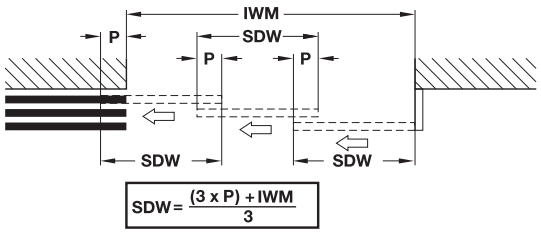
Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.80.200
				3,000	940.80.300
				4,000	940.80.400
				6,000	940.80.600
			Stainless steel coloured	4,000	940.80.404
				6,000	940.80.604
	Guide channel	Plastic	Black	1,300	940.41.130

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Telescopic 80/3 HAWA







$$SDW = \frac{(3 \times P) + IWM}{3}$$

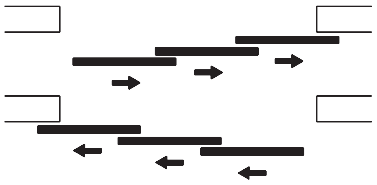
IWM = Internal width measurement

P = Width for floor guide with zero clearance (min. 75 mm)

SDW = Sliding door width

Features

- For 3-leaf sliding doors
- Parallel simultaneous opening of 3 door leaves



- Two way suspension
- Height and side adjustable door leaves
- Low wear and tear
- Quiet running action

Technical data

- Max. door weight per leaf: 80 kg
- Door leaf width: 500–1,200 mm

Material

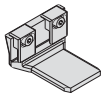
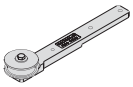
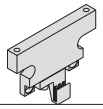
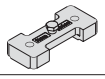
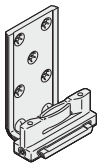
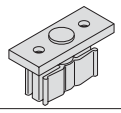
- Side adjustable floor guide free of play plastic

Required basic elements:

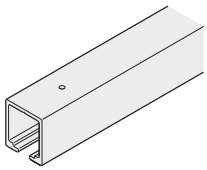
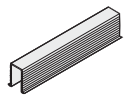
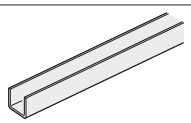
- 3 Sets of Junior 80/Z and 3 running tracks in addition to Telescopic 80/3 fitting set

Sliding door fitting set, without running track	Cat. No.
Fitting for 3-leaf sliding doors	940.81.008

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of:		For 1 door	Cat. No.
	Narrow follower	1 pc.	947.00.052
	Wide follower	2 pcs.	947.00.050
	Guide pulley wheel, long	2 pcs.	947.00.048
	Guide pulley wheel, short	2 pcs.	947.00.049
	Toothed belt fixing device	1 pc.	947.00.053
	Toothed belt, 2.7 m, black	2 pcs.	947.00.054
	Driver counter-plate, wide	1 pc.	947.00.051
	Floor guide comfort 120, 1-part	1 pc.	940.40.070
	Guide plate with guide piece with zero clearance 14 mm	1 pc.	943.04.030

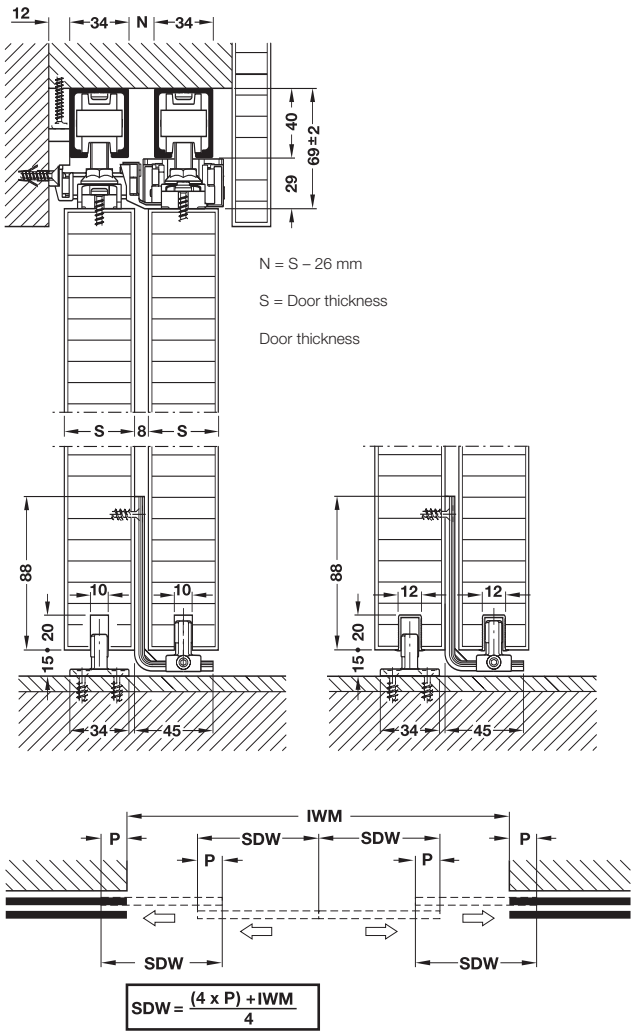
Sliding door fitting Junior 80/Z	Cat. No.
Fitting for 1-leaf sliding doors	940.80.001

Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.80.200
				3,000	940.80.300
				4,000	940.80.400
				6,000	940.80.600
			Stainless steel coloured	4,000	940.80.404
				6,000	940.80.604
	Guide channel	Plastic	Black	1,300	940.41.130
	U-shaped guide track	Aluminium	–	20x20x3	941.00.920
					941.00.930
					941.00.940
					941.00.960

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Telescopic 40/4 HAWA





N = S – 26 mm

S = Door thickness

Door thickness

$$SDW = \frac{(4 \times P) + IWM}{4}$$

IWM = Internal width measurement

P = Width for floor guide with zero clearance (min. 75 mm)

SDW = Sliding door width

Features

- For 4-leaf sliding doors
- Simultaneous opening of 4 door leaves



- Two way suspension
- Height and side adjustable door leaves
- Low wear and tear
- Quiet running action

Technical data

- Max. door weight per leaf: 40 kg
- Width of leaf: 500–800 mm

Material

- Pulley guide plastic
- Side adjustable floor guide free of play plastic

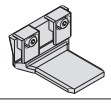
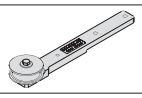
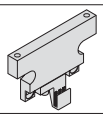
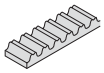
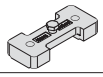
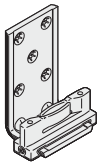
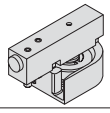
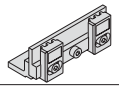
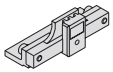
Required basic elements:

- 4 Sets of Junior 80/Z and 2 running tracks in addition to Telescopic 40/4 fitting set

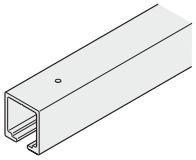
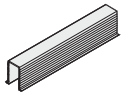
Sliding door fitting set, without running track	Cat. No.
Fitting for 4-leaf sliding doors	940.41.002

5

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

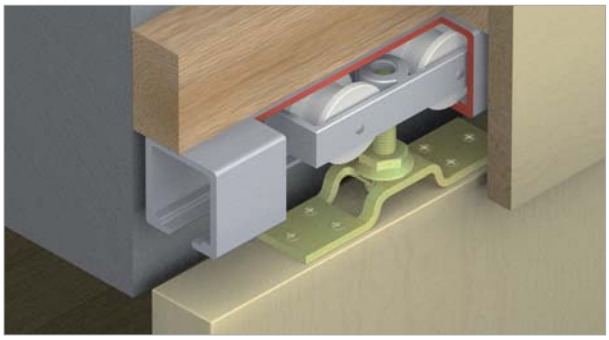
Set consisting of:		For 1 door	Cat. No.
	Wide follower	2 pcs.	947.00.050
	Guide pulley wheel, long	2 pcs.	947.00.048
	Guide pulley wheel, short	2 pcs.	947.00.049
	Toothed belt fixing device	2 pcs.	947.00.053
	Toothed belt, 2.7 m, black	2 pcs.	947.00.054
	Toothed belt, 10 m, black	1 pc.	947.00.037
	Driver counter-plate, wide	2 pcs.	947.00.051
	Floor guide comfort 120, 1-part	2 pcs.	940.40.070
	Guide pulley wheel	2 pcs.	940.80.086
	Toothed belt lock	1 pc.	947.00.055
	Driver, laterally adjustable	1 pc.	947.00.056

Sliding door fitting Junior 80/Z	Cat. No.
Fitting for 1-leaf sliding doors	940.80.001

Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.80.200
				3,000	940.80.300
				4,000	940.80.400
				6,000	940.80.600
			Stainless steel coloured	4,000	940.80.404
				6,000	940.80.604
	Guide channel	Plastic	Black	1,300	940.41.130

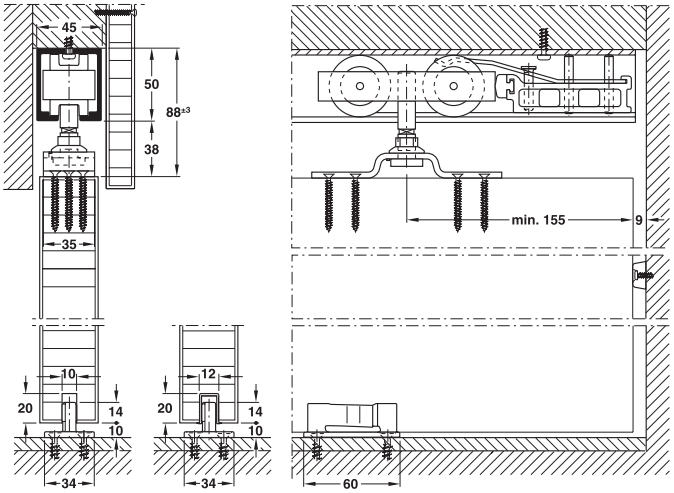
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 120/A HAWA









Features

- For 1- and 2-leaf sliding doors
- Height and side adjustable door leaves
- Suspension with suspension bracket
- Track buffer with adjustable retainer
- Robust
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

Technical data

- Max. door weight per leaf: 120 kg

Material/Finish

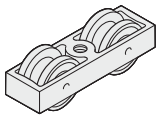
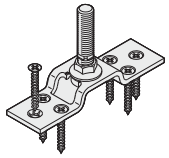
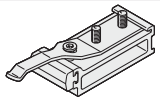
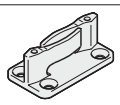
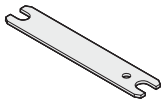
- Running gear with plastic rollers
- Suspension bracket steel galvanized
- Floor guide free of play plastic

5

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

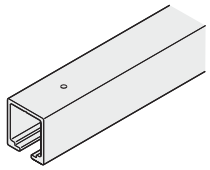
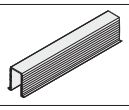
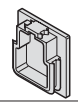
Fitting for 1-leaf sliding doors, without running track		Cat. No.
	Without soft closing mechanism	941.20.001

Packing: 1 set

Set consisting of		For 1 door	Cat. No.
	Running gear 2-wheel M12	2 pcs.	941.20.012
	Two way suspension with suspension screw M12	2 pcs.	941.20.022
	Track buffer with adjustable retainer	1 pc.	941.20.041
	Rubber wall buffer	1 pc.	940.40.051
	Floor guide free of play	1 pc.	940.40.031
	Spanner for suspension carriage	1 pc.	941.20.091

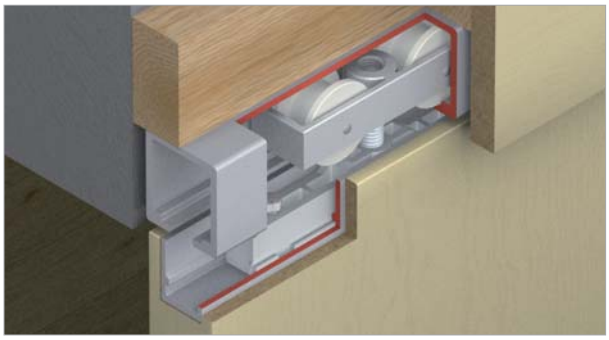
Order reference

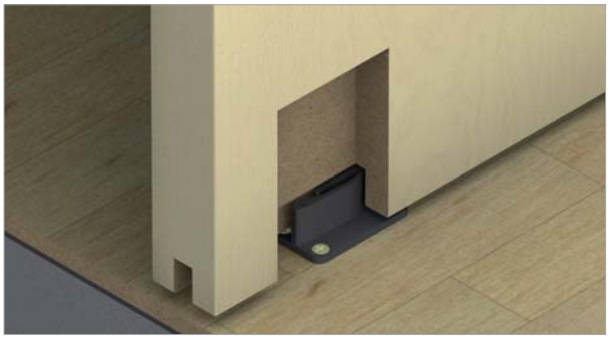
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	941.20.200
				3,000	941.20.300
				4,000	941.20.400
				6,000	941.20.600
	Guide channel	Plastic	Black	1,300	940.41.130
	Cover cap for running track	Plastic	Black	–	941.20.028

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 120/B HAWA







Features

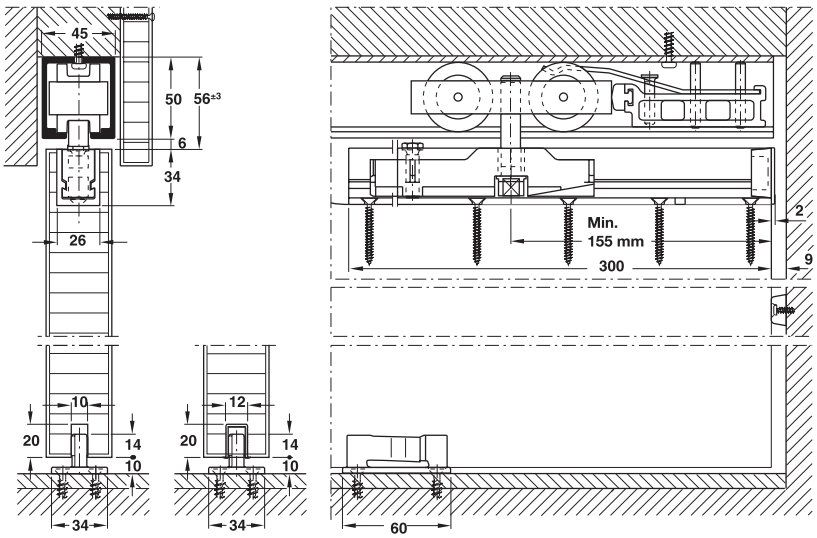
- For 1- and 2-leaf sliding doors
- Minimum installation height
- Height adjustable door leaves
- Suspension with support profile
- Track buffer with adjustable retainer
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

Technical data

- Max. door weight per leaf: 120 kg

Material/Finish

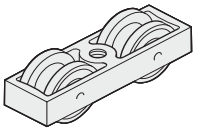
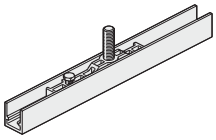
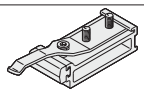
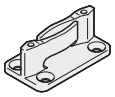
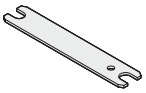
- Running gear with plastic rollers
- Cover cap for support profile rubber grey
- Floor guide free of play plastic



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

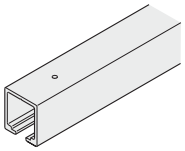
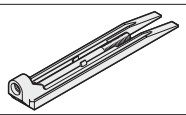
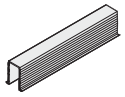
Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	941.20.002

Packing: 1 set

Set consisting of		For 1 door	Cat. No.
	Running gear 2-wheel M12	2 pcs.	941.20.012
	Suspension profile with suspension carriage and suspension screws M12	2 pcs.	941.20.024
	Cover cap for support profile	2 pcs.	940.80.029
	Track buffer with adjustable retainer	1 pc.	941.20.041
	Rubber wall buffer	1 pc.	940.40.051
	Floor guide free of play	1 pc.	940.40.031
	Spanner for suspension carriage	1 pc.	941.20.091

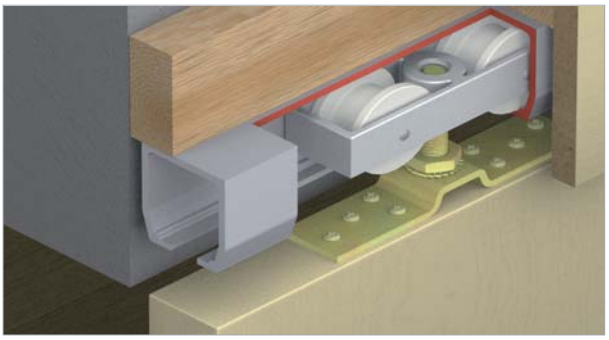
Order reference

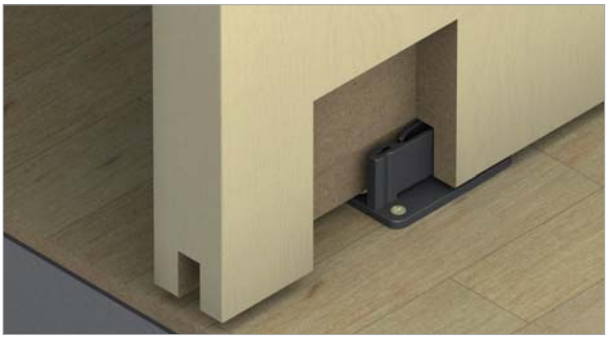
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	941.20.200
				3,000	941.20.300
				4,000	941.20.400
				6,000	941.20.600
	Mounting wedge for sliding doors which run in the ceiling (Set of 2 pcs. for 1 sliding door)		–	–	940.80.050
	Guide channel	Plastic	Black	1,300	940.41.130
	Cover cap for running track	Plastic	Black	–	941.20.028

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 160/A HAWA







Features

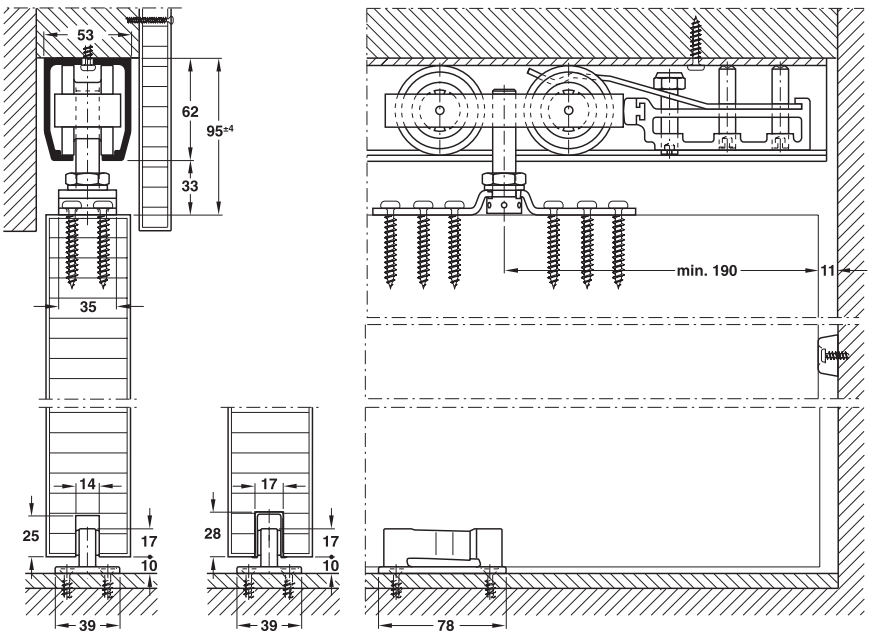
- For 1- and 2-leaf sliding doors
- Height and side adjustable door leaves
- Suspension with suspension bracket
- Track buffer with adjustable retainer
- Robust
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

Technical data

- Max. door weight per leaf: 160 kg

Material/Finish

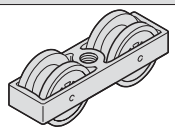
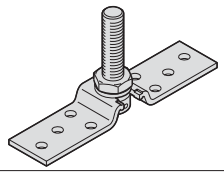
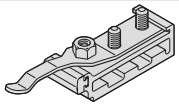
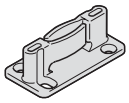
- Running gear with plastic rollers
- Suspension bracket steel galvanized
- Floor guide free of play plastic



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

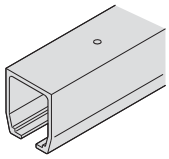
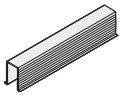
Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	941.60.001

Packing: 1 set

Set consisting of:		For 1 door	Cat. No.
	Running gear 2-wheel M14	2 pcs.	941.60.012
	Suspension bracket with suspension screw M14	2 pcs.	941.60.022
	Track buffer with adjustable retainer	1 pc.	941.60.041
	Rubber wall buffer	1 pc.	941.60.051
	Floor guide free of play	1 pc.	941.60.031

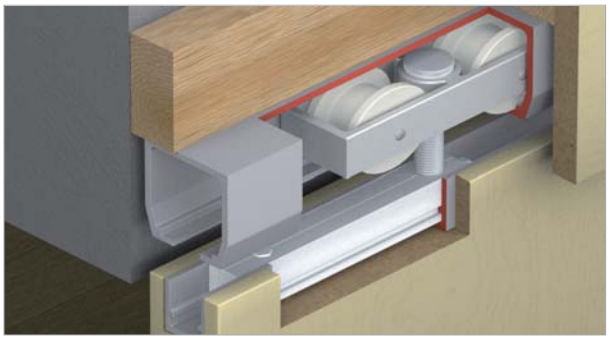
Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	941.60.200
				3,000	941.60.300
				4,000	941.60.400
				6,000	941.60.600
	Guide channel	Plastic	Black	3,000	941.61.130

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 160/B HAWA







Features

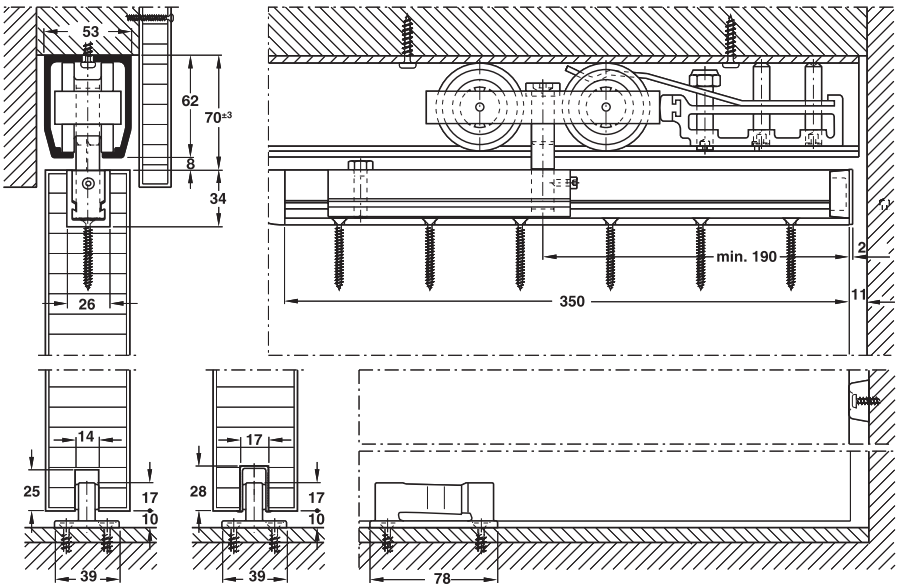
- For 1- and 2-leaf sliding doors
- Minimum installation height
- Height adjustable door leaves
- Suspension with support profile
- Track buffer with adjustable retainer
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

Technical data

- Max. door weight per leaf: 160 kg

Material/Finish

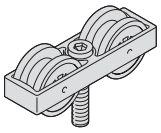
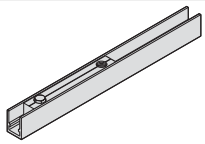
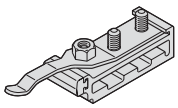
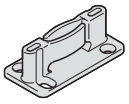
- Running gear with plastic rollers
- Cover cap rubber grey
- Floor guide free of play plastic



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

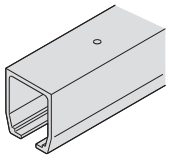
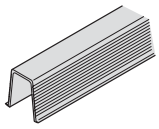
Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	941.60.002

Packing: 1 set

Set consisting of:		For 1 door	Cat. No.
	Running gear 2-wheel suspension screw M14	2 pcs.	941.60.014
	Suspension profile with suspension carriage	2 pcs.	941.60.024
	Cover cap	2 pcs.	940.80.029
	Track buffer with adjustable retainer	1 pc.	941.60.041
	Rubber wall buffer	1 pc. 1 ชิ้น	941.60.051
	Floor guide free of play	1 pc.	941.60.031

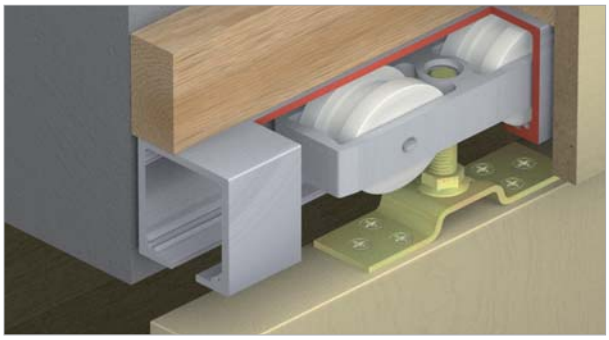
Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	941.60.200
				3,000	941.60.300
				4,000	941.60.400
				6,000	941.60.600
	Guide channel	Plastic	Black	3,000	941.61.130

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 250/A HAWA





Features

- For 1- and 2-leaf sliding doors
- Height and side adjustable door leaves
- Suspension with support profile
- Track buffer with adjustable retainer
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

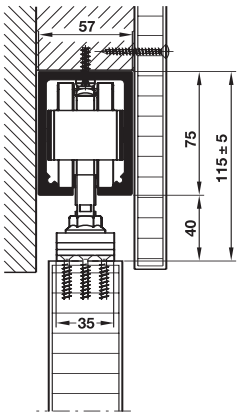
Technical data

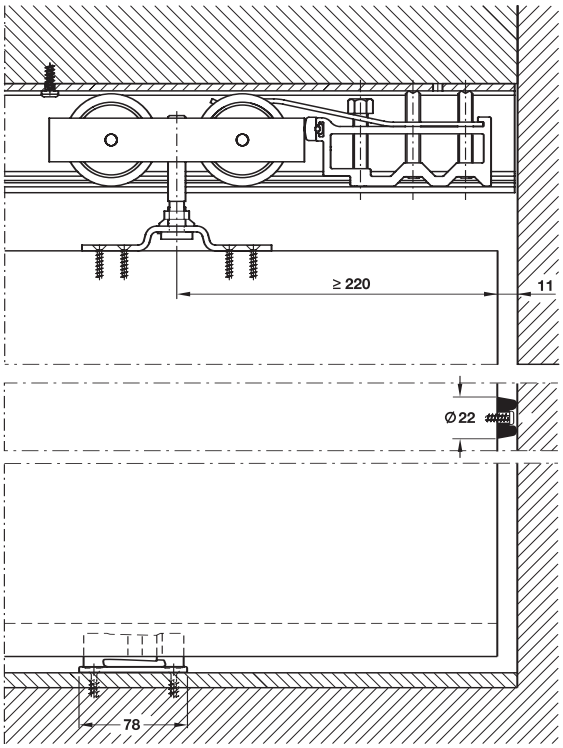
- Max. door weight per leaf: 250 kg

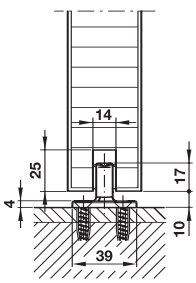
Material/Finish

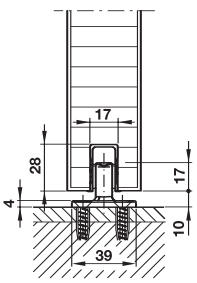
- Running gear with plastic rollers
- Cover cap rubber grey
- Floor guide free of play plastic







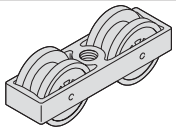
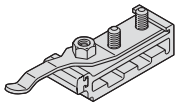
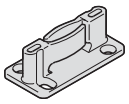
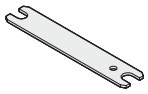




We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

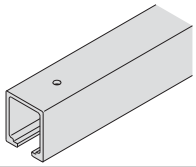
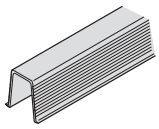
Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	942.56.001

Packing: 1 set

Set consisting of:		For 1 door	Cat. No.
	Running gear 2-wheel M12	2 pcs.	942.56.012
	Suspension bracket with suspension screw M12	2 pcs.	942.56.022
	Track buffer with adjustable retainer	1 pc.	942.56.041
	Rubber wall buffer	1 pc.	941.60.051
	Floor guide free of play	1 pc.	941.60.031
	Spanner for suspension carriage	1 pc.	941.20.091

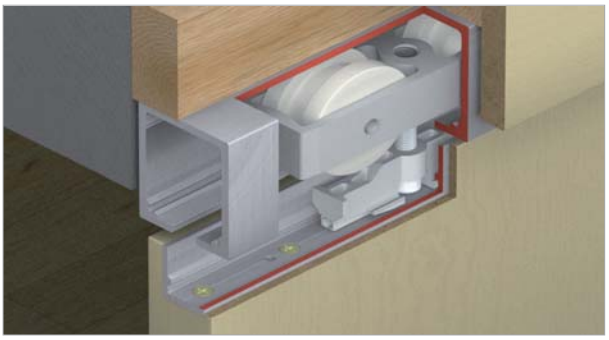
Order reference

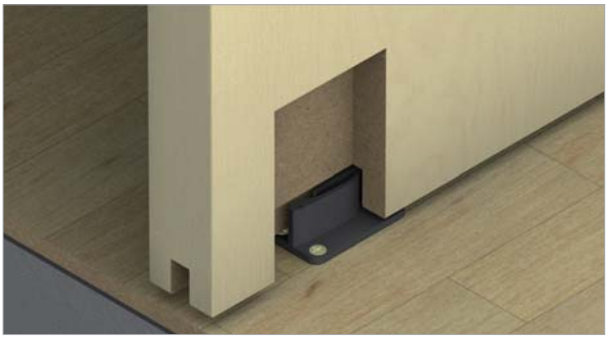
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	942.56.920
				3,000	942.56.930
				4,000	942.56.940
				6,000	942.56.960
	Guide channel	Plastic	Black	3,000	941.61.130

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 250/B HAWA







Features

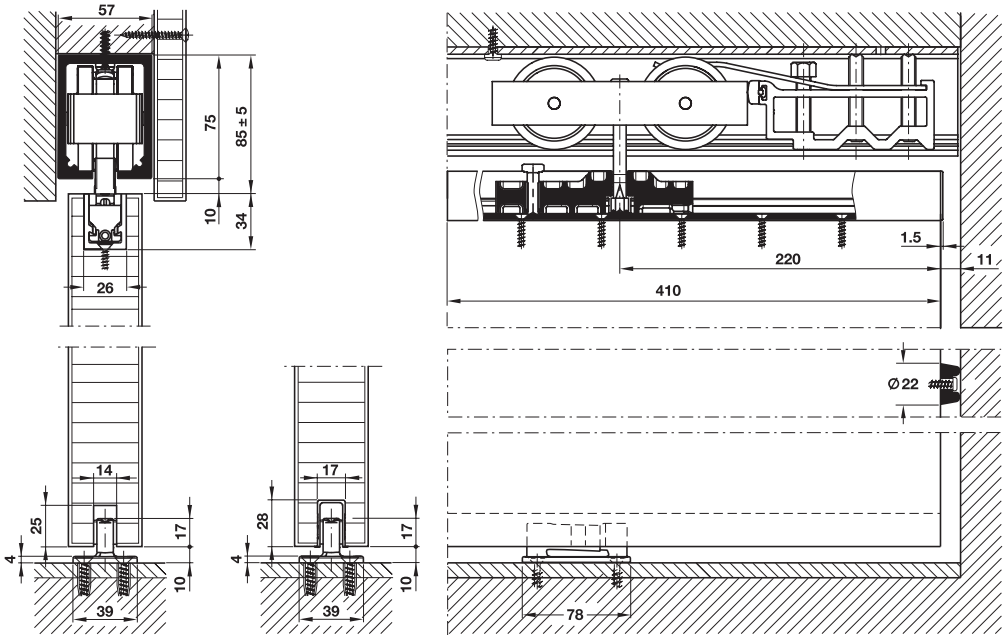
- For 1- and 2-leaf sliding doors
- Minimum installation height
- Height adjustable door leaves
- Suspension with support profile
- Track buffer with adjustable retainer
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

Technical data

- Max. door weight per leaf: 250 kg

Material/Finish

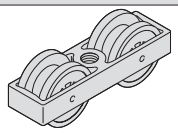
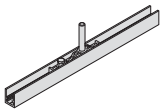
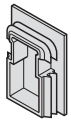
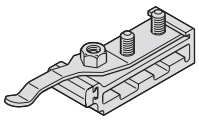
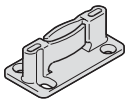
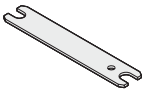
- Running gear with plastic rollers
- Cover cap rubber grey
- Floor guide free of play plastic



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

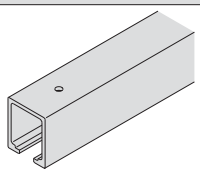
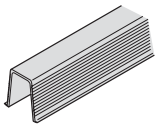
Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	942.56.002

Packing: 1 set

Set consisting of:		For 1 door	Cat. No.
	Running gear 2-wheel M12	2 pcs.	942.56.012
	Suspension profile with suspension carriage and suspension screws M12	2 pcs.	942.56.024
	Cover cap for support profile	2 pcs.	942.56.029
	Track buffer with adjustable retainer	1 pc.	942.56.041
	Rubber wall buffer	1 pc.	941.60.051
	Floor guide free of play	1 pc.	941.60.031
	Spanner for suspension carriage	1 pc.	941.20.091

Order reference

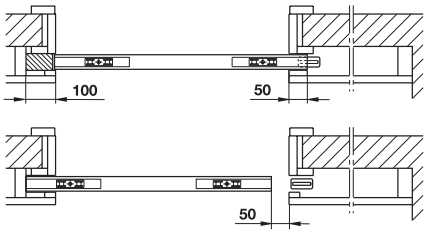
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	942.56.920
				3,000	942.56.930
				4,000	942.56.940
				6,000	942.56.960
	Guide channel	Plastic	Black	3,000	941.61.130

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

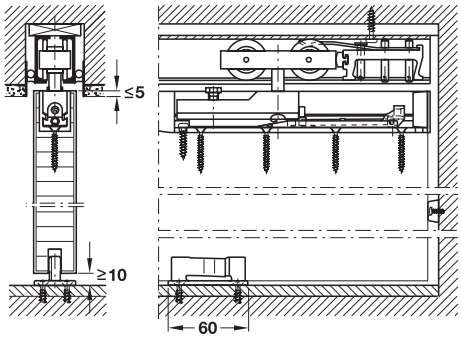
Assembly wedge





Features

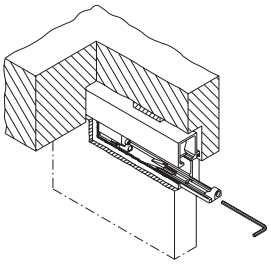
- Suitable for Junior 80/B and 120/B and Silent 150/B
- For end fixing of sliding doors running in the ceiling
- Allows installation and removal of the sliding doors without disassembly of the door lining and cover



Fixing

Consider for the constructions:

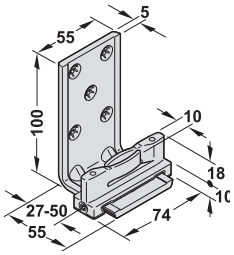
- If a pelmet is fitted, this must either be removable or a 100 mm wide removable lock strip must be fitted on the lock side.
- The sliding door must run max. 5 mm in the ceiling or in the top of the door lining
- When closed, the sliding door must not protrude more than 50 mm into the cavity



	Cat. No.
Assembly wedge, 2 pcs.	940.80.050

5

Guide track for gap width 10 mm, 1-part



Features

- Side adjustable free of play
- For wall installation
- Eliminates door rattle

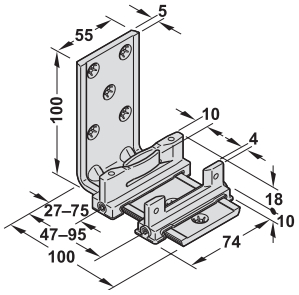
Technical data

- Gap width: 10 mm

Material/Finish	Cat. No.
Floor guide (free of play) plastic brown, guide angle bracket aluminium	940.40.071

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Guide track for gap width 10 mm, 2-part

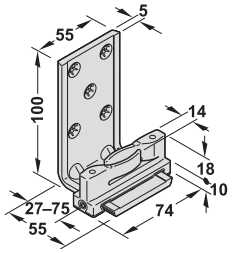


Features
- Side adjustable free of play
- With retainer for cover panel
- For wall installation

Technical data
- Gap width: 10 mm

Material/Finish	Cat. No.
Floor guide (free of play) plastic brown, guide angle bracket aluminium, retainer zinc alloy	940.40.072

Guide track for gap width 14 mm, 1-part

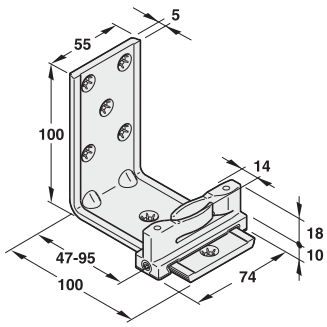


Features
- Side adjustable free of play
- Eliminates door rattle
- With short guide angle
- For wall installation

Technical data
- Gap width: 14 mm

Material/Finish	Cat. No.
Floor guide (free of play) plastic brown, guide angle bracket aluminium	941.60.071

Guide track for gap width 14 mm, 2-part



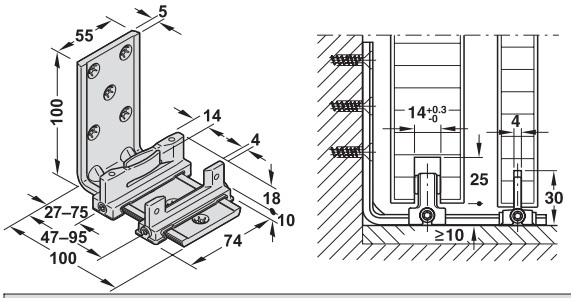
Features
- Side adjustable free of play
- Eliminates door rattle
- With long guide angle
- For wall installation

Technical data
- Gap width: 14 mm

Material/Finish	Cat. No.
Floor guide (free of play) plastic brown, guide angle bracket aluminium, retainer zinc alloy	941.60.073

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Floor guide for gap width 14 mm, 2-part

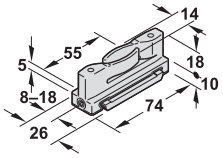


Features
- Side adjustable, free of play
- Eliminates door rattle
- With retainer for cover panel
- For wall installation

Technical data
- Gap width: 14 mm

Material/Finish	Cat. No.
Floor guide (free of play) plastic brown, guide angle bracket aluminium, retainer zinc alloy	941.60.072

Adjustable floor guide (free of play)

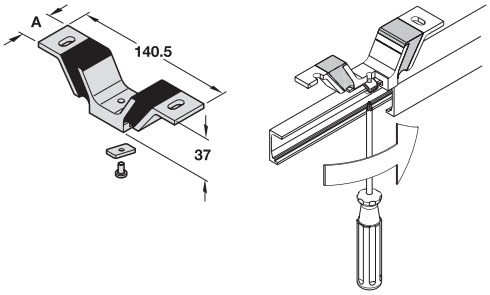


Features
- To screw on
- Eliminates door rattle
- Vertically adjustable

Technical data
- Gap width: 14 mm

Material/Finish	Cat. No.
Plastic brown	941.60.032

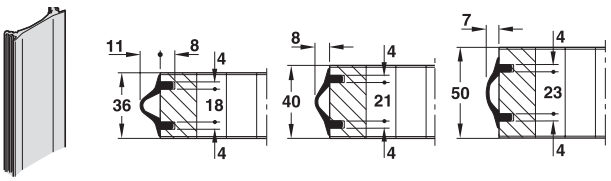
SoundEx Soundproofing bracket



Features
- Reduces the structure-borne sound transmitted by a sliding door system

Dim. A mm	Suitable for	Cat. No.
30	Junior 40 Hawa	940.40.069
	Junior 80 Hawa	940.80.069
45	Junior 120 Hawa	941.20.069

Edge protection profile, 5 m

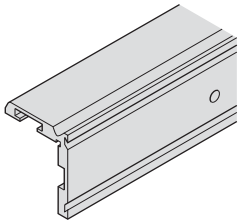


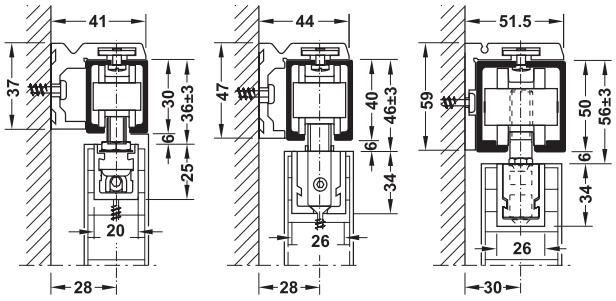
Features
- For timber doors
- Prevents loud impact and damages to the door front edges, seals the closed door

Material/Finish	Cat. No.
Neoprene brown	940.00.521
Neoprene black	940.00.530
Neoprene beige	940.00.540
Neoprene cream white	940.00.549

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Angled profile





Junior 40 Hawa | Junior 80 Hawa | Junior 120 Hawa

Suitable for	Material	Length mm	Cat. No.
Junior 40 Hawa	Aluminium	2,000	940.40.203
		4,000	940.40.403
		6,000	940.40.603
Junior 80 Hawa		2,500	940.80.253
		4,000	940.80.403
		6,000	940.80.603
Junior 120 Hawa		4,000	941.20.403
		6,000	941.20.603

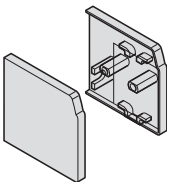
Mounting set



- For fixing running track to angled profile

Suitable for	Packing	Cat. No.
Junior 40 Hawa	Set of 10 pcs.	940.40.099
Junior 80 Hawa		940.80.099
Junior 120 Hawa	Set of 20 pcs.	941.20.099

Cover cap

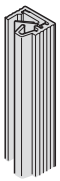


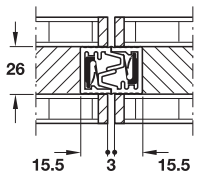
Features

- For angled profile
- Material: Plastic anthracite

Suitable for	Cat. No.
Junior 40 Hawa	940.40.067
Junior 80 Hawa	940.80.064
Junior 120 Hawa	941.20.065

Sealing profile





- For timber door
- Prevents loud impact and damages to the door front edges, seals the closed door

	Material/Finish	Length mm	Cat. No.
	Aluminium silver coloured anodized	6,000	946.24.600
	Rubber black	Roll at 20 m each	946.24.020

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

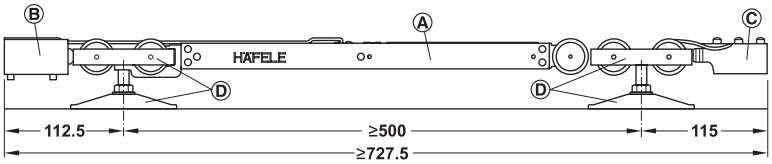
Soft and self closing mechanism for Junior 80 HAWA



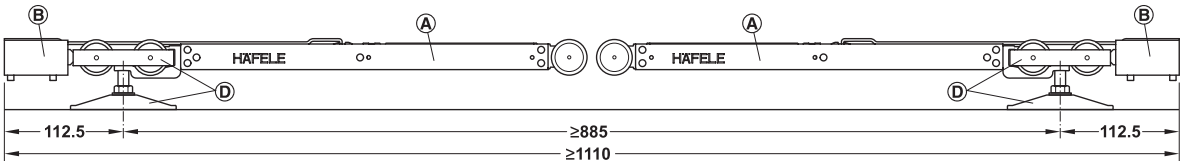
Features

- For 1-leaf and 2-leaf sliding doors
- For wooden doors Hawa Junior 80/Z, 80/B
- For glass doors Hawa Junior 80/GP, 80/GL, 80/GS, 80/G
- For suspending in running gear
- Max. weight: 80 kg

Version Ⓑ with Smuso AD soft and self closing mechanism on one side



Version Ⓔ with Smuso AD soft and self closing mechanism on both sides (2 x one-sided)

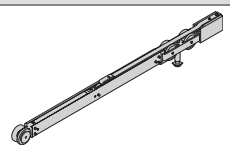


Ⓐ Häfele Smuso AD soft and self closing mechanism

Ⓑ Häfele stopper with catch

Ⓒ Hawa track buffer

Ⓓ Junior 80 (example: Junior 80/Z)

		Cat. No.
	Soft and self closing mechanism for Junior 80 Hawa systems	940.80.043

Note

When using the double-sided soft and self closing mechanism and ordering the Junior 80 set, please note the following: The stopper supplied with the Hawa set is not required in this case. We recommend ordering individual components instead of the complete set for cost reasons.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Soft move 80 for Junior 80 HAWA



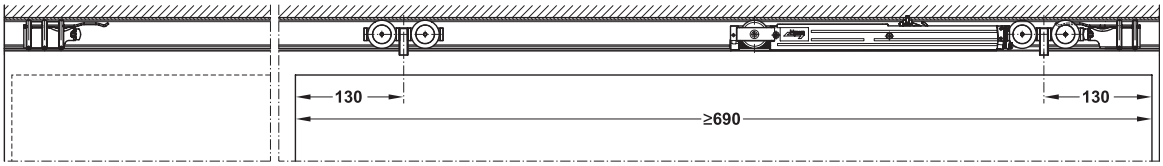
Features

- For 1-leaf and 2-leaf sliding doors
- For wooden doors Junior 80/Z, 80/B
- For glass doors Junior 80/GP, 80/GL, 80/GS, 80/G
- For suspending in running gear
- Max. door weight: 80 kg

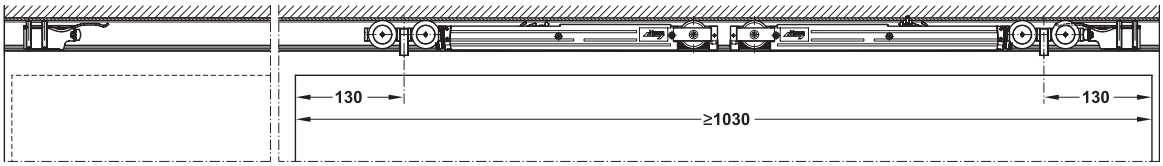
Supplied with

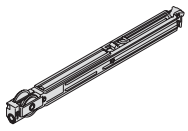
1 Soft and self closing mechanism
1 Stop
1 Disposable drilling jig
Mounting accessories

Soft Move 80 soft and self closing mechanism for Hawa Junior 80 system



Soft Move 80 soft and self closing mechanism on both side



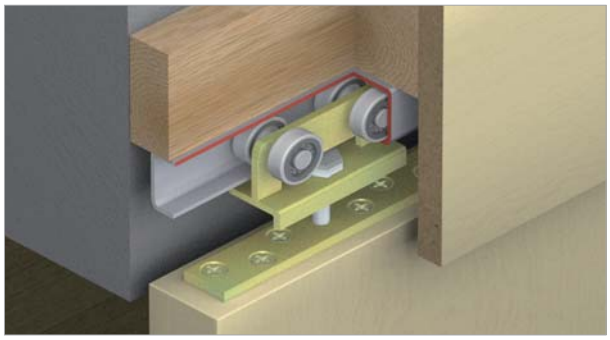
		Cat. No.
	Soft Move 80 soft and self closing mechanism for Junior 80	940.80.046

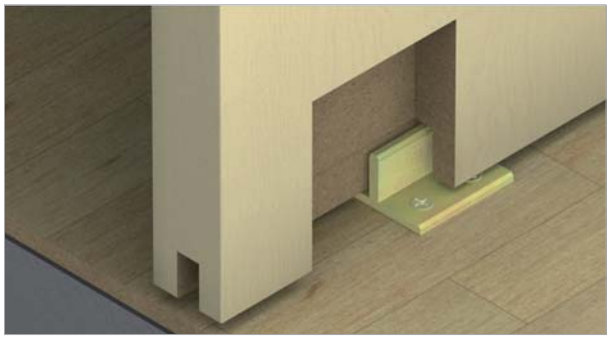
Note

When using the double-sided soft and self closing mechanism and ordering the Junior 80 set, please note the following: The stopper supplied with the Hawa set is not required in this case. We recommend ordering individual components instead of the complete set for cost reasons.

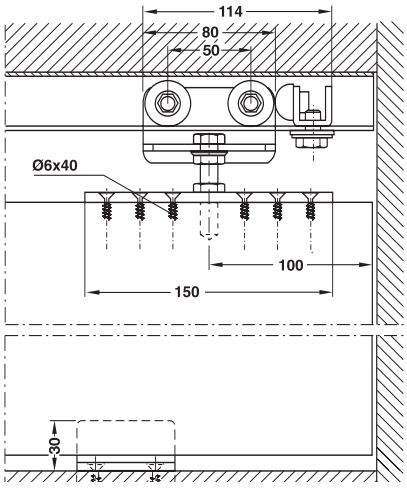
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Porta 300 S









Features

- For 1- and 2-leaf sliding doors
- Low installation height
- Height and side adjustable door leaves

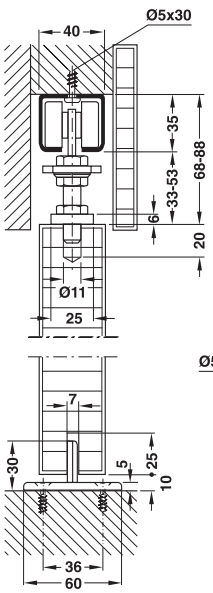
Technical data

- Max. door weight per leaf: 300 kg

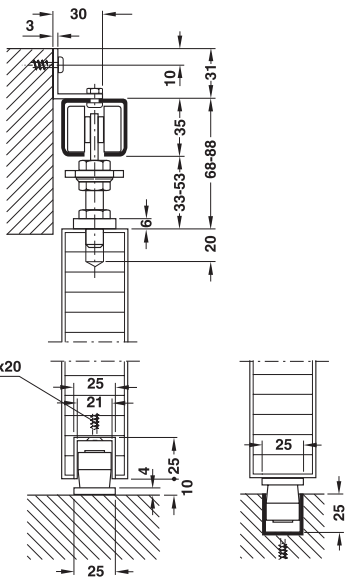
Material/Finish

- Support flange and nut steel galvanized
- Running gear with ball bearing plastic rollers
- Track buffer steel galvanized with rubber buffer

Ceiling installation



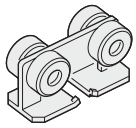
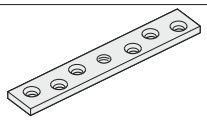
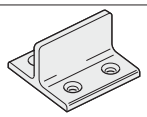
Wall mounted



Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	942.32.000

Packing: 1 set

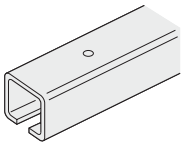
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

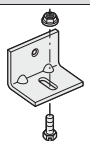
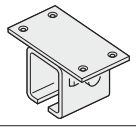
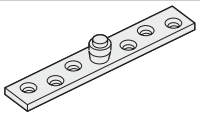
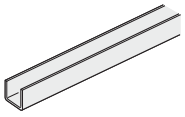
Set consisting of		For 1 door	Cat. No.
	Running gear 4-wheel	2 pcs.	942.32.012
	Support flange	2 pcs.	942.32.020
	Suspension screw M10 x 45 with nut and serrated washer	2 pcs.	942.32.071
	Track buffer	1 pc.	942.32.041
	T-shaped floor guide	1 pc.	942.32.030

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

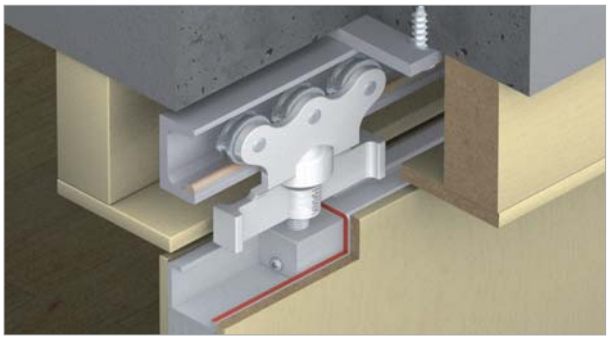
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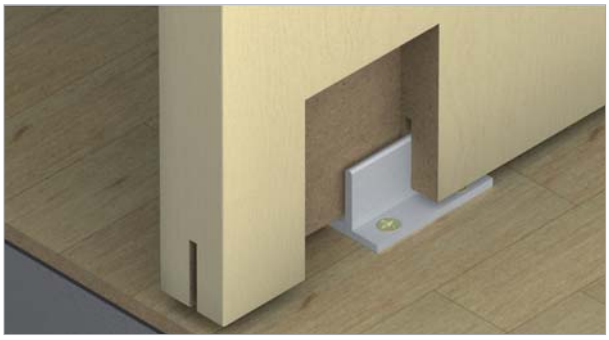
Tracks and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	942.32.200
				3,000	942.32.300
				4,000	942.32.400
				6,000	942.32.600

Additional components		Material	Finish	Length mm	Cat. No.
	Wall mounting bracket	Steel	Galvanized	–	940.60.060
	Ceiling fixing bracket with locking screw	Steel	Galvanized	–	942.32.060
	Floor guide roller Ø20 mm	Steel	Galvanized	–	942.32.031
	U-shaped guide track 25 x 25 x 2 mm	Steel	Galvanized	2,000	942.33.200
				3,000	942.33.300
				4,000	942.33.400
				6,000	942.33.600

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Super 500/A HAWA





Features

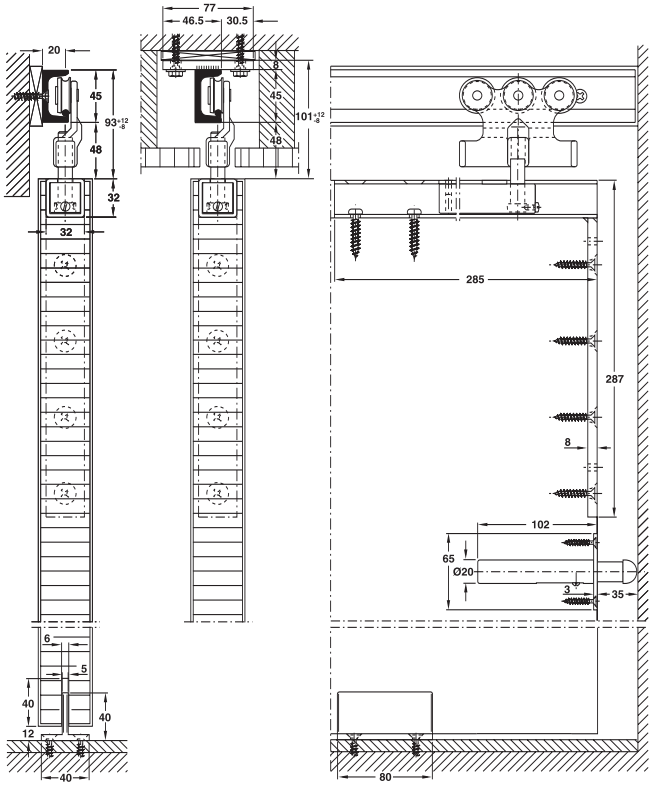
- For 1- and 2-leaf sliding doors
- Suitable for curved and straight sliding doors
- Height adjustable door leaves
- Suspension with suspension bracket
- Robust
- Low wear and tear

Technical data

- Max. door weight per leaf: 500 kg

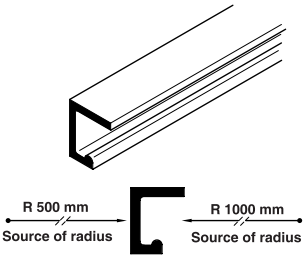
Material/Finish

- Running gear with ball bearing steel rollers
- Track buffer to screw on, apring buffer with flange and floor guide steel galvanized



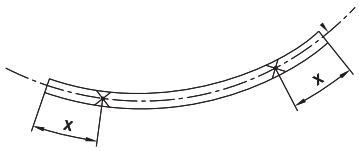
Curved track radii

Minimum radius details



Fixing

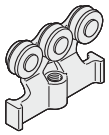
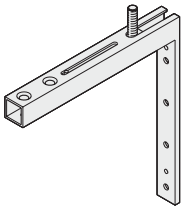
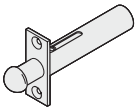
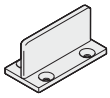
The suspension plates must be installed, such that they balance the sliding doors along the gravity line (Dimension X).



Sliding door fitting set, without running track		Cat. No.
–	Without soft closing mechanism	942.42.000

Packing: 1 set

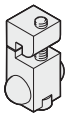
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		For 1 door	Cat. No.
	Running gear, 3-whee, screwl M12	2 pcs.	942.42.013
	Suspension bracket with support carriage and suspension screw M12	2 pcs.	942.41.024
	Spring buffer with flange	2 pcs.	942.30.051
	Floor guide	1 pc.	942.41.031

Order reference

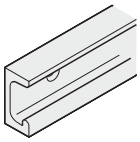
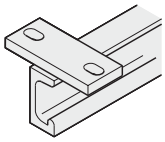
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

5

Track buffer		Cat. No.
	Central track buffer for pilot drilling	942.42.041

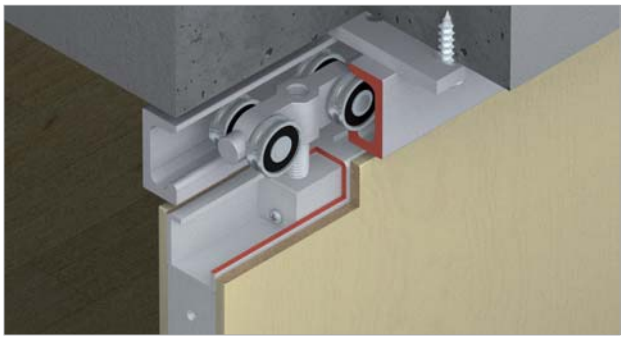
Order reference

For 2-leaf sliding doors to stop the doors in the centre, please order one piece of the track buffer separately .

Running track		Material	Finish	Length mm	Cat. No.
	For wall installation	Stainless steel	Matt	3,000	942.42.301
				6,000	942.42.601
	For ceiling installation	Stainless steel	Matt	3,000	942.43.301
				6,000	942.43.601
	Cover plate for suspension bracket	Steel	Nickel plated matt	–	942.41.072

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Super 500/B HAWA





Features

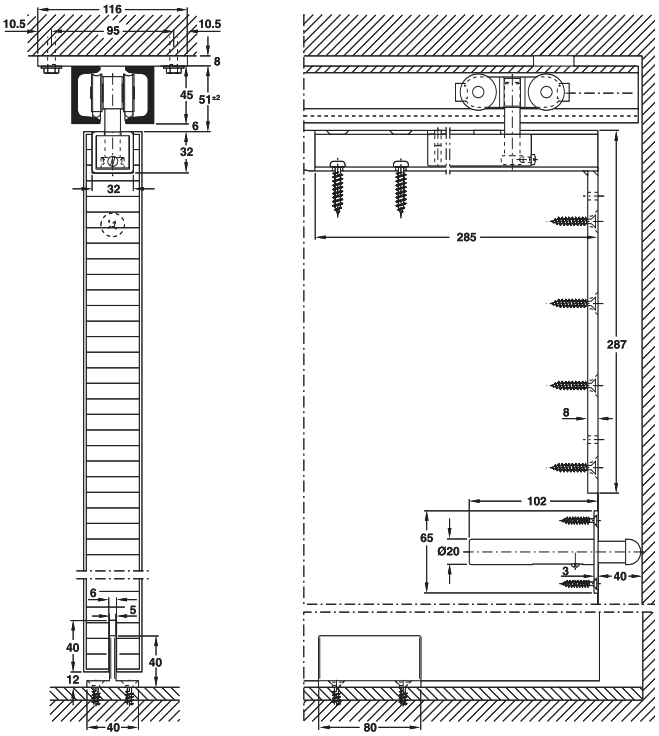
- For 1- and 2-leaf sliding doors
- Suitable for curved* and straight sliding doors
- Minimum installation height
- Height adjustable door leaves
- Suspension with suspension bracket
- Robust
- Low wear and tear

Technical data

- Max. door weight per leaf: 500 kg

Material/Finish

- Running gear with ball bearing steel rollers
- Spring buffer with flange and floor guide steel galvanized



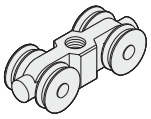
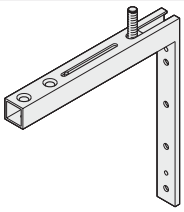
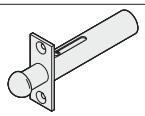
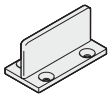


* Minimum radius for curved track installation: 4,000 mm

Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	942.41.000

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		For 1 door	Cat. No.
	Running gear, 4-whee, screw M12	2 pcs.	942.41.014
	Suspension bracket with support carriage and suspension screw M12	2 pcs.	942.41.024
	Spring buffer with flange	2 pcs.	942.30.051
	Floor guide	1 pc.	942.41.031

Order reference

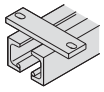
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

5

Central track buffer		Material	Finish	Cat. No.
	Central track buffer	Steel	Galvanized	942.41.042

Order reference

For 2-leaf sliding doors to stop the doors in the centre, please order one piece of the track buffer separately .

Running track		Material	Finish	Length mm	Cat. No.
	Double running track with mounting bracket,	Stainless steel	Matt	3,000	942.43.311
				6,000	942.43.611

Additional components		Material	Finish	Cat. No.
	Cover plate for suspension bracket	Steel	Nickel plated matt	942.41.072
			Brass plated matt	942.41.073

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Design 40-V/80-V SLIDO

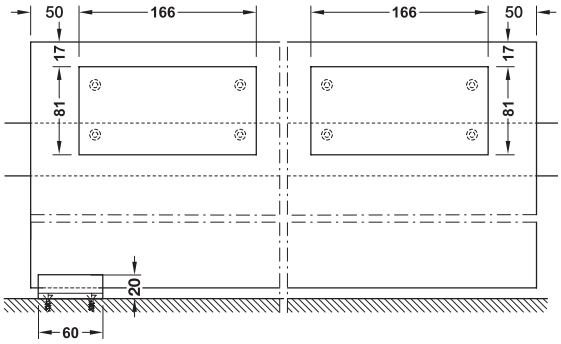




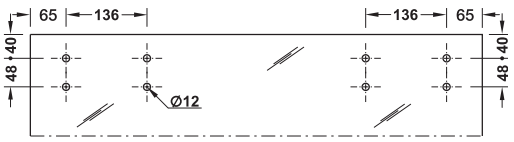
Features

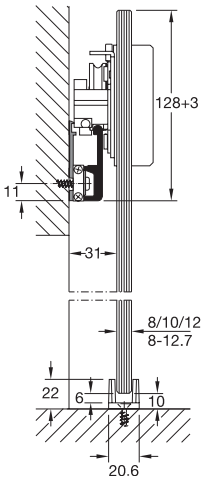
- For 1- and 2-leaf sliding doors
- Tempered safety glass: 8, 10, 12 mm
- Laminated glass: 8–12.7 mm
- Wall mounting installation
- Door hight adjustable +3 mm

Section trolley hanger and guide

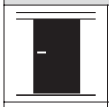


Panel preparation detail



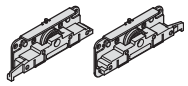
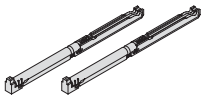
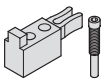
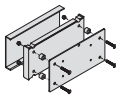


Wall mounting Model A1, E1

Sliding door fitting set		Min. door width mm	Max. door weight kg	Model	Cat. No.
	Without soft closing mechanism	500	40	A1	940.42.107
			80		940.82.173
	On both sides with soft closing mechanism	680	40	E1	940.42.108
			80		940.82.174

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		Model	
		A1	E1
	Running gears	2 pcs.	2 pcs.
	Soft closing mechanism	–	2 pcs.
	Stopper and stop pin	2 pcs.	–
	Mounting plate and cover caps	2 pcs.	2 pcs.
	Cover caps	1 pc.	1 pc.
	Floor guide for thicknesses 8, 10, 12.7 mm	1 pc.	1 pc.

Track and accessories		Material	Finish	Length mm	Cat. No.
	Track for wall distance 12 mm	Aluminium	Clear anodized	2,000	940.82.220
				3,000	940.82.230
				4,000	940.82.240
				6,000	940.82.260
	Running track	Aluminium	Clear anodized	2,000	940.82.320
				3,000	940.82.330
				4,000	940.82.340
				6,000	940.82.360
	Floor guide thickness 8, 10, 12 mm	Stainless steel	Matt	–	981.52.311

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Inox Star 100 StarTec



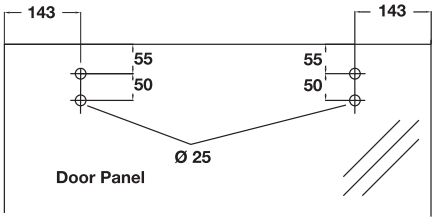
Features
- For 1- and 2-leaf sliding doors
- Floor guide, adjustable, free of play

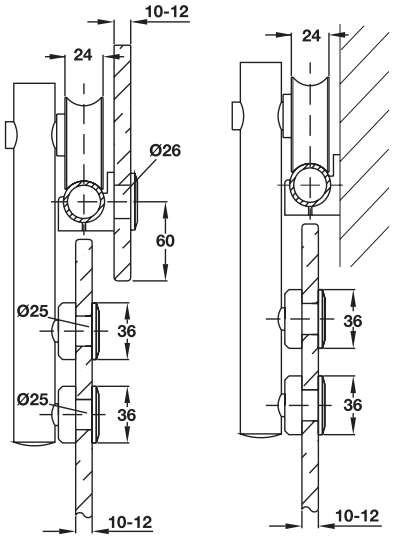
Technical data
- For glass thicknesses: 10–12 mm
- Max. door weight per leaf: 100 kg
- Support rods: Ø25 mm

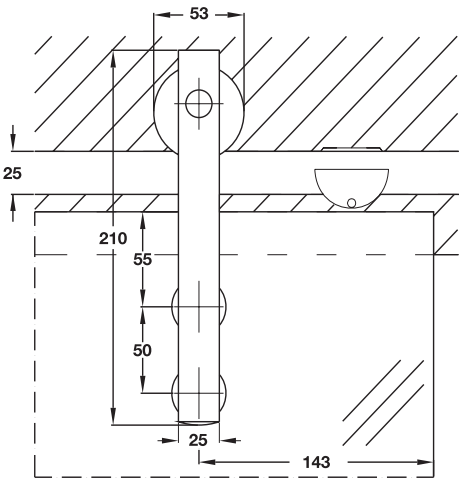
Material/Finish
- Running gear with ball bearing plastic rollers
- Rubber profile black

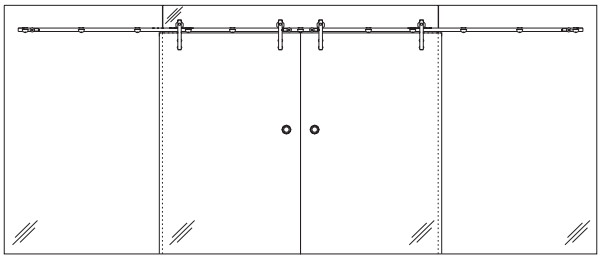
Installation
- Clamp fixing, with special fixing range, order separately

Panel preparation details

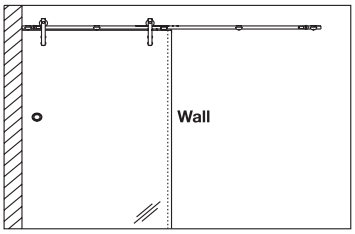






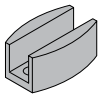


Double sliding door, installed on glass



Single sliding door, installed on the wall

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Individual components		Material	Finish	For 1 door	Cat. No.
	Roller hanger drilling hole Ø20 mm	Stainless steel	Matt	2 pcs.	941.17.012
	Stopper with spring	Stainless steel	Matt	2 pcs.	941.17.040
	Rail Ø25 mm, length 3,000 mm	Stainless steel	Matt	1 pc.	941.16.930
	Bottom guide	Stainless steel	Matt	1 pc.	981.52.311

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

5

Additinal components		Material	Finish	Cat. No.
	Rail holder to glass	Stainless steel	Matt	941.17.032
	Rail holder to wall	Stainless steel	Matt	941.17.033
	Rail end holder	Stainless steel	Matt	941.17.031
	Cover cap	Stainless steel	Matt	941.17.020
	Tool	Zinc alloy	–	941.17.034

Note

The distance between two holders should be less than the width of the door panel. For door panels over 1,200 mm please use min. 3 holders per door panel. For glass/glass installation please use min. 2 holders per glass panel.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Design 150-U SLIDO





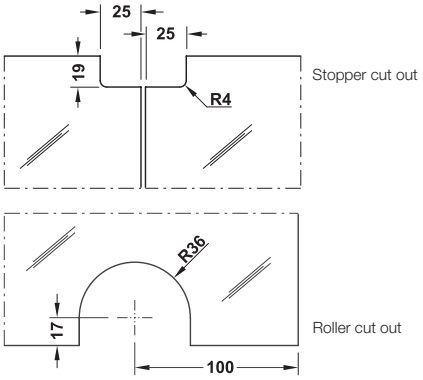
Features

- For 1- and 2-leaf sliding doors
- Usable for tempered safety glass 8–12.7 mm
- Door height adjustable +3 mm

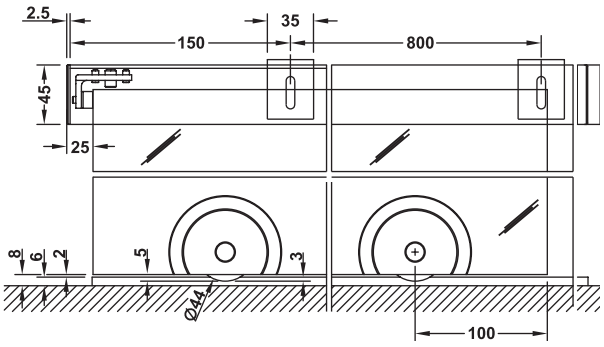
Technical data

- Max. door weight per leaf: 150 kg

Glass cut out



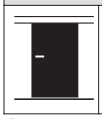
Section bottom rail and top track



Note

Please note the stopper cut out is necessary:

- For a two door installation
- If the door panel must flush the guide track

Sliding door fitting set ,without running track		Cat. No.
	Without soft closing mechanism, for 1-leaf door (Set consisting of 2 running gears, 2 stopper, slide felt strips)	941.58.004

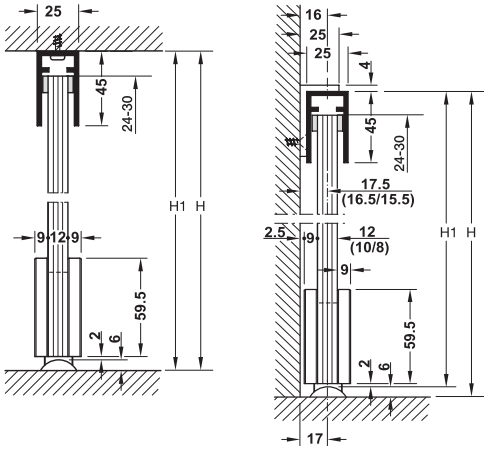
Packing: 1 set

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ceiling installation and wall mounting



Ceiling and wall mounting glass thickness 8-12.7 mm

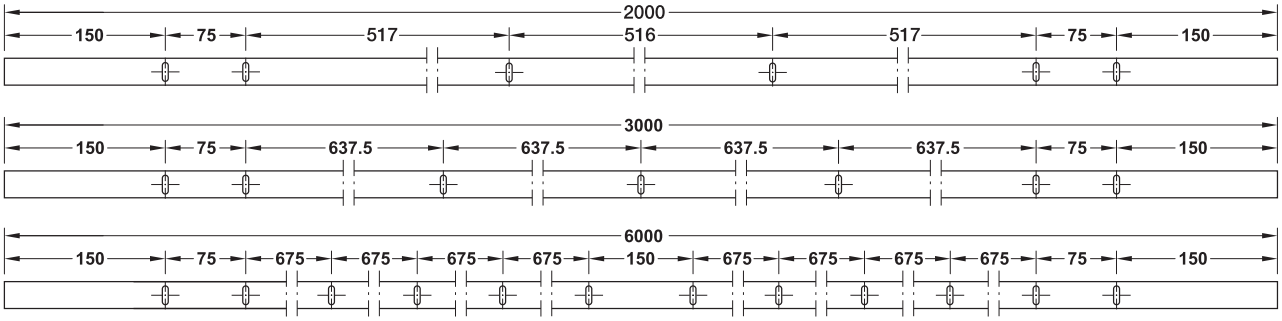
Glass height H1 = H - 32–38 mm (without stopper glass cut out)

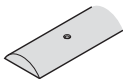
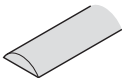
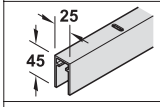
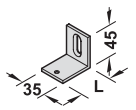
Glass height H1 = H - 32–34 mm (with stopper glass cut out)

Note

The wall distance is always the same, even if the glass thickness is different. For extension of wall distance, please select different sizes of wall mounting brackets.

Drilled top guiding track

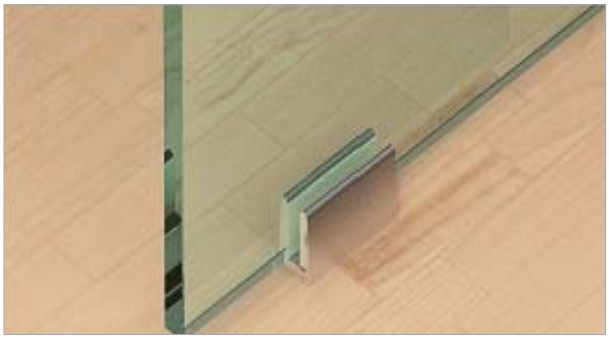


Track and accessories		Material	Finish	Length mm	Cat. No.
	Bottom running rail, 22 x 2.6 mm drilled	Stainless steel	Matt	2,000	941.58.920
				3,000	941.58.930
	Bottom running rail, drilled (2 pcs.)			6,000	941.58.960
	Bottom running track 22 x 2.6 mm	Stainless steel	Matt	2,000	941.58.820
				3,000	941.58.830
	Bottom running rail 22 x 2.6 mm			6,000	941.58.860
	Top guiding track drilled, incl. plastic caps	Aluminium	Stainless steel coloured anodized	2,000	941.58.720
				3,000	941.58.730
				6,000	941.58.760
	Wall mounting bracket height adjustable Length L = Wall distance	Aluminium	Stainless steel coloured anodized	25	941.58.060
				35	941.58.061
				45	941.58.062
				65	941.58.063

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 50-F/80-F/120-F SLIDO





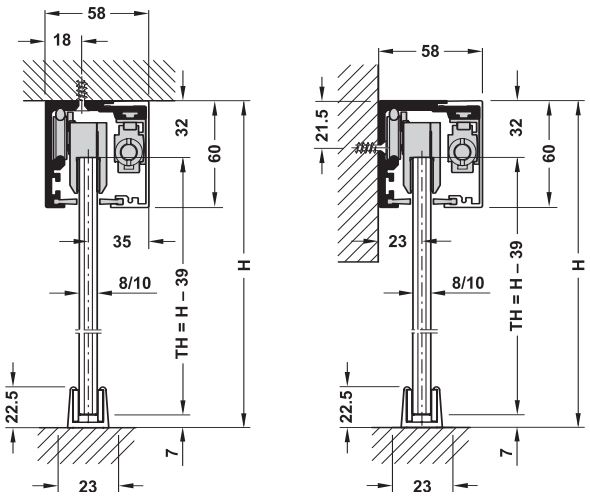
Feature

- For 1-leaf and 2-leaf sliding door
- For glass thickness: 8 or 10 mm
- Door height adjustable +4/-3 mm
- Wall mount or ceiling installation

Technical data

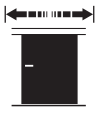
- Door width: 50-F min. 500 mm, 80-F/120-F min. 630 mm
- Max. door weight per leaf: 50, 80 or 120 kg

Ceiling installation and wall mounting



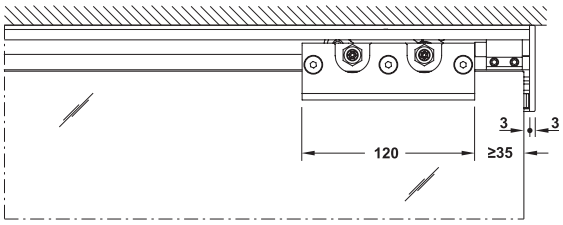
H = Total height

TH = Door height

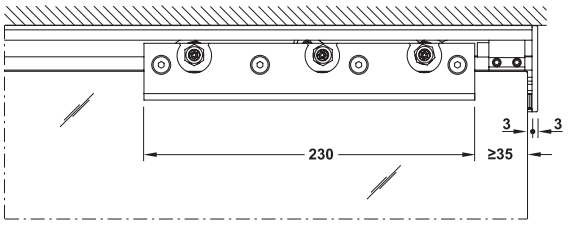
Sliding door fitting set ,without running track		Material	Finish	50 kg	80 kg	120 kg
	Without softclosing mechanism	Aluminium	Stainless steel coloured anodized	940.67.003	–	941.30.003
			Silver coloured anodized	940.67.002	–	941.30.002
	On both sides with softclosing mechanism	Aluminium	Stainless steel coloured anodized	940.67.007	941.30.007	941.30.103
			Silver coloured anodized	940.67.006	941.30.006	941.30.102

Packing: 1 set

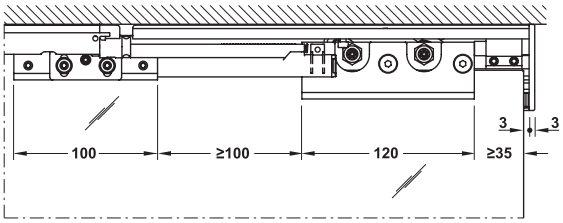
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



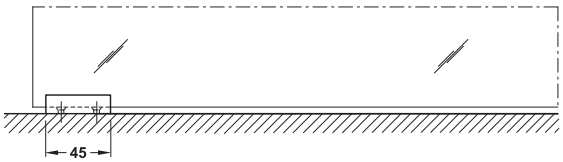
Section trolley hanger 50 kg



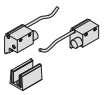
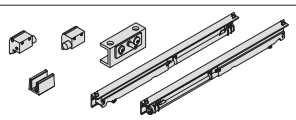
Section trolley hanger 120 kg



Section trolley hanger 50 kg with soft closing mechanism



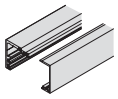
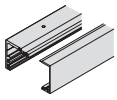
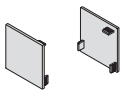
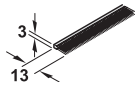
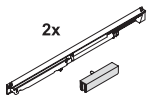
Section floor guide

Sets consisting of		Packing
50-F/120-F without soft closing mechanism		
	Running gear for 50 kg	2 pcs.
	Running gear for 120 kg	2 pcs.
	Stopper and floor guide	1 set
50-F/80-F/120-F with soft closing mechanism (both sides)		
	Running gear for 50 kg	2 pcs.
	Running gear for 80 kg	2 pcs.
	Stopper, floor guide and self closing mechanism	2 sets

5

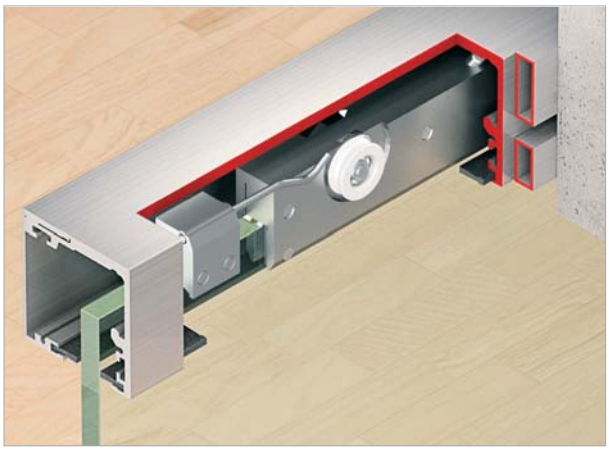
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding Door Fitting Classic 50-F/80-F/120-F SLIDO

Track and accessories		Material	Finish	Length mm	Cat. No.
Running track set, wall mounting		Aluminium	Silver coloured anodized	2,000	940.67.820
				3,000	940.67.830
				4,000	940.67.840
				6,000	940.67.860
			Stainless steel coloured anodized	2,000	940.67.821
				3,000	940.67.831
				4,000	940.67.841
				6,000	940.67.861
Running track set, ceiling installation		Aluminium	Silver coloured anodized	2,000	940.67.920
				3,000	940.67.930
				4,000	940.67.940
				6,000	940.67.960
			Stainless steel coloured anodized	2,000	940.67.921
				3,000	940.67.931
				4,000	940.67.941
				6,000	940.67.961
End cap, clipping on, 1 pair		Plastic	Aluminium coloured anodized	–	940.67.060
			Stainless steel coloured anodized	–	940.67.061
Brush seal		Plastic	Black	2,000	940.67.720
				3,000	940.67.730
				4,000	940.67.740
				6,000	940.67.760
Floor guide		Stainless steel	Matt	–	981.52.311
Soft and self closing mechanism set for each door, for soft and self closing on both sides		Aluminium/plastic	Door weight 40 kg	–	941.30.080
			Door weight 80 kg	–	941.30.081
			Door weight 120 kg	–	941.30.082

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

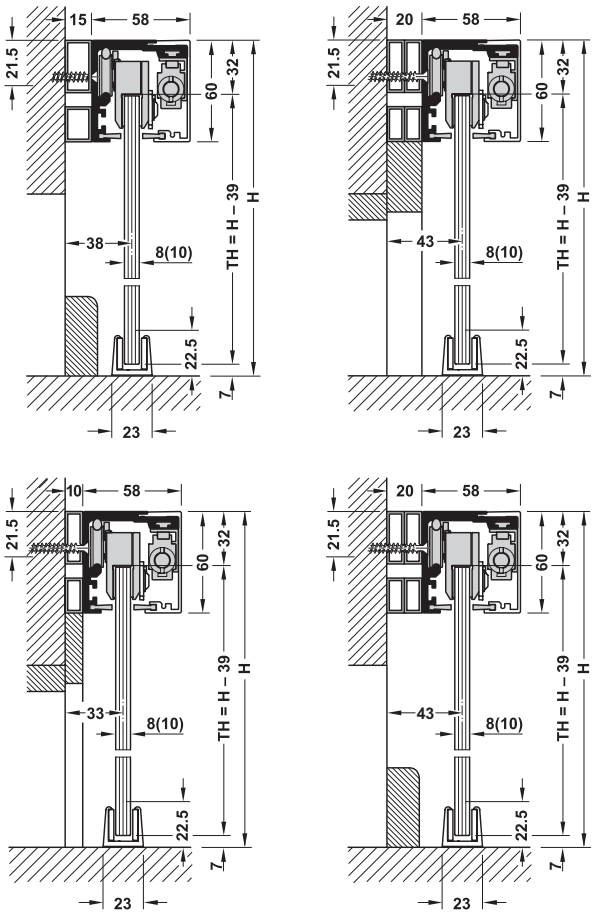
Wall compensation unit profile for Classic 50-F/80-F/120-F SLIDO



Feature

- Wall mounting installation

Installation



H = Total height TH = Door height

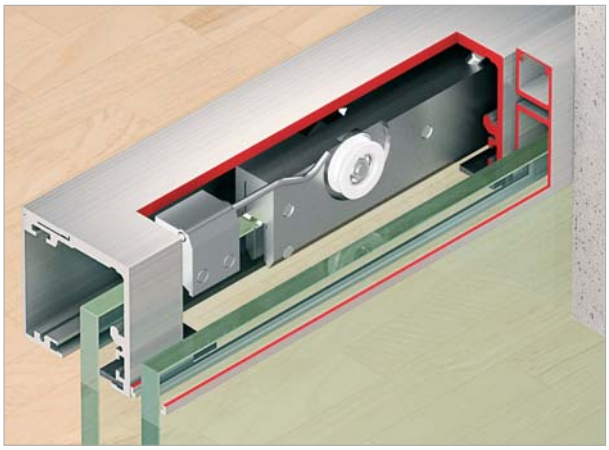
Set consisting of	Distance mm	Length mm	Finish	Cat. No.
Wall compensation unit profile, for glue fixing, not drilled, consists of 30 x 15 mm and 20 x 15 mm (H x D) profile	15	2000	Silver coloured anodized	940.67.620
			Stainless steel coloured anodized	940.67.621
Wall compensation unit profile, for glue fixing, not drilled, consists of 30 x 10 mm and 20 x 10 mm (H x D) profile	10		Silver coloured anodized	940.67.520
			Stainless steel coloured anodized	940.67.521
End caps, 1 pair, for compensating of 10, 15 and 20 mm distance, for clip fixing	–	–	Silver coloured anodized	940.67.062
			Stainless steel coloured anodized	940.67.063

Note

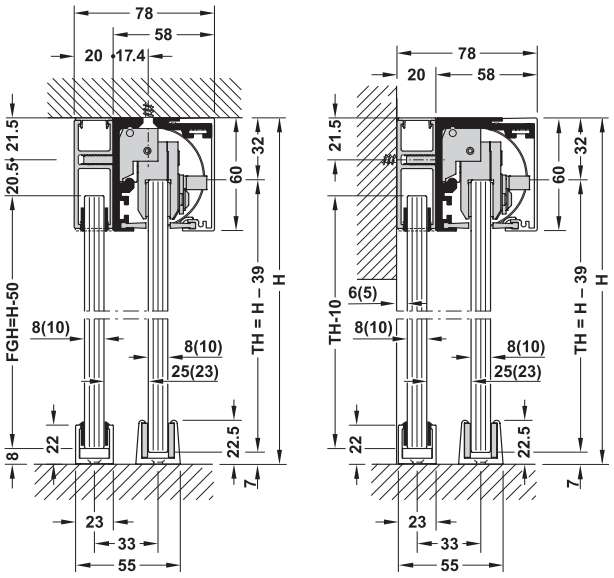
Please use for 20 mm wall distance compensation units 2 x 10 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass fixing profile Classic 50-F/80-F/120-F SLIDO



Installation



H = Total height TH = Door height FGH = Fixed glass height

Features

- Wall mounting and ceiling installation
- Suitable for glass thicknesses (fixed glass):
  Tempered safety glass 8 or 10 mm, laminated glass 8–8.7 mm

5

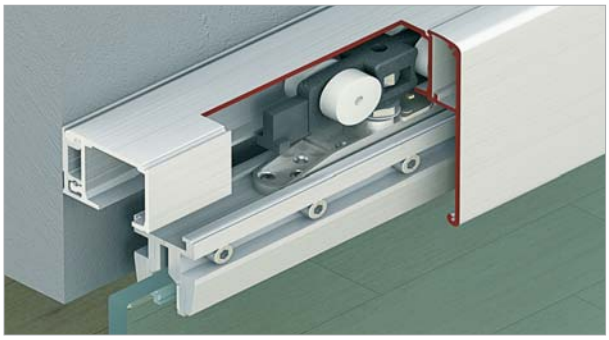
Version	Material	Finish	Length mm	Cat. No.
Fixed glass fixing profile, for running track set, with screws, for wall mounting and ceiling installation	Aluminium	Silver coloured anodized	2,000	940.67.120
			3,000	940.67.130
		Stainless steel coloured anodized	2,000	940.67.121
			3,000	940.67.131
Fixed glass fixing profile, for floor and wall connection, height adjustable, pre-drilled and countersunk	Aluminium	Silver coloured anodized	2,000	940.67.220
			3,000	940.67.230
		Stainless steel coloured anodized	2,000	940.67.221
			3,000	940.67.231
Sealing profile, for glass thicknesses 8 to 10 mm	Rubber	Black	5,000	940.67.070
			10,000	940.67.072
Cover profile, for unused aperture in fixed component	Aluminium	Silver coloured anodized	2,000	940.67.320
			3,000	940.67.330
		Stainless steel coloured anodized	2,000	940.67.321
			3,000	940.67.331
Cover profile, for unused aperture for running distance, with retaining spring	Aluminium	Silver coloured anodized	1,000	940.67.410
			2,000	940.67.420
		Stainless steel coloured anodized	1,000	940.67.411
			2,000	940.67.421
End cap, for fixed glass fixing profile (for floor connection), 1 pc.	Aluminium	Silver coloured anodized	–	940.67.064
		Stainless steel coloured anodized		940.67.065
End caps, 1 pair, for compensating 10, 15 and 20 mm distance, for clip fixing	Plastic	Silver coloured	–	940.67.062
		Stainless steel coloured	–	940.67.063

Order reference

The wall mounted running track are usable for wall mounting and ceiling installation. The holes which are required for wall mounting or ceiling installation must be drilled on site.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 40-L/80-L/120-L SLIDO





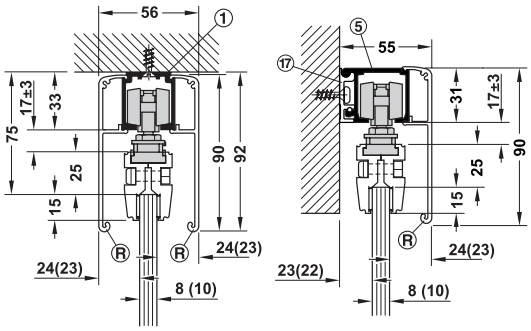
Feature

- For 1- leaf and 2- leaf sliding door
- Suitable for tempered safety glass: 8–10 mm
- Door height adjustable
- Suspension fitting with flange clip, clamped connection (installation without tools and glass drilling)

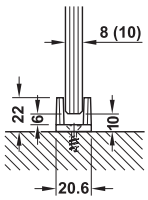
Technical data

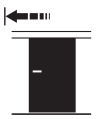
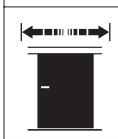
- Max. door weight per leaf: 40–120 kg

Ceiling installation and wall mounting



Floor guide



Sliding door fitting set, without running track		Version	Min. door width mm	40 kg	80 kg	120 kg
	Without soft closing mechanism	A	–	940.43.090	940.82.140	941.25.000
	On one side with soft closing mechanism	B	628	940.43.091	940.82.141	–
	On both sides with soft closing mechanism	C	769–888	940.43.092	940.82.142	–
		D	889–1,008	940.43.093	940.82.143	–
		E	958	940.43.094	940.82.144	–

Packing: 1 set

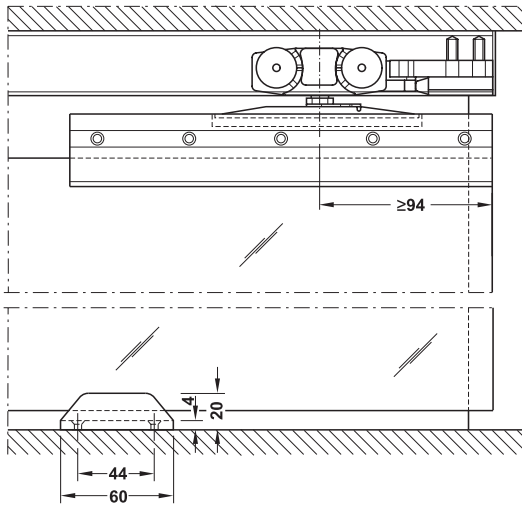
Order reference

Individual components ..... page 5.101

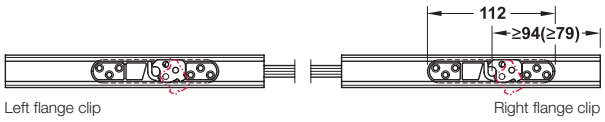
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

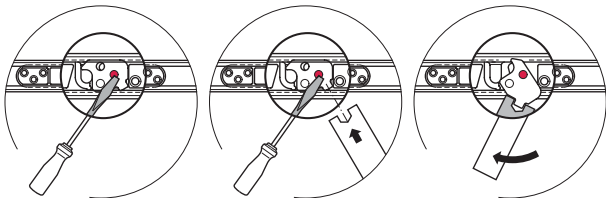
Sliding door fitting Classic 40-L/80-L/120-L SLIDO

Selection guide and trolley hanger



Installation

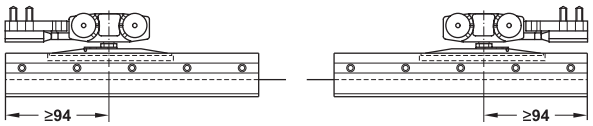




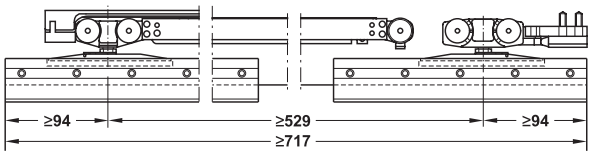
Removing the flange clip

Soft closing versions overview

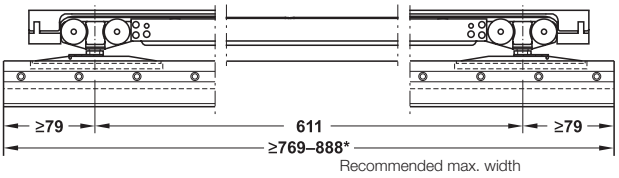
Version A without soft closing mechanism



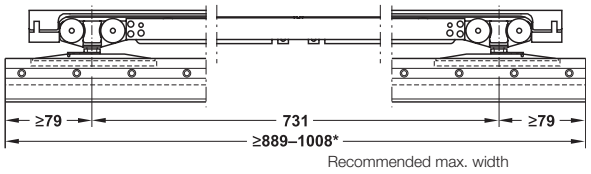
Version B with soft closing mechanism (1-side)



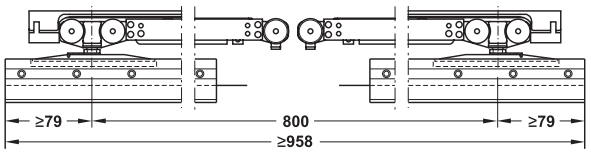
Version C with soft closing mechanism (both sides)



Version D with soft closing mechanism (both sides)



Version E with soft closing mechanism (both sides)



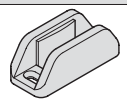
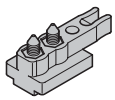
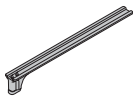
Note

Version A, C and D suitable for 40-L/80-L/120-L

Version B and E suitable for 40-L/80-L

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of	Model	Version	For 1 door leaf
Running gear, 4-wheel, suspension screw with nut and flange clip for hooking in (without tools)	40-L	A	2 pcs.
		B	1 pc.
Running gear, 4-wheel, suspension screw with nut and flange clip for hooking in (without tools), soft and self closing mechanism on one side		B	1 pc.
		E	2 pcs.
Running gear, 4-wheel, suspension screw with nut and flange clip for hooking in (without tools), soft and self closing mechanism on both sides		C	1 pc.
		D	1 pc.
Running gear, 4-wheel, suspension screw with nut and flange clip for hooking in (without tools)	80-L	A	2 pcs.
		B	1 pc.
Running gear, 4-wheel, suspension screw with nut and flange clip for hooking in (without tools), soft and self closing mechanism on one side		B	1 pc.
		E	2 pcs.
Running gear, 4-wheel, suspension screw with nut and flange clip for hooking in (without tools), soft and self closing mechanism on both sides		C	1 pc.
		D	1 pc.
Running gear, 4-wheel, suspension screw with nut and flange clip for hooking in (without tools)	120-L	A	2 pcs.

Additional set components		Model	Version	For 1 door leaf
	Floor guide, for glass thicknesses 8, 10, 12.7 mm	40/80/120-L	A, B, C, D, E	1 pc.
	Track buffer with retainer spring and rubber buffer	40/80/120-L	A	2 pcs.
			B	1 pc.
	Release device with stopper	40/80/120-L	B	1 pc.
			C, D, E	2 pcs.

Order reference

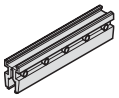
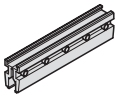
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

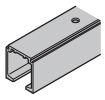
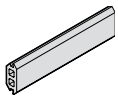
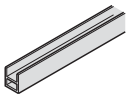
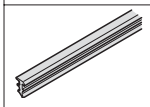
Order reference

Track and accessories ..... page 5.102
Sliding door application ..... page 5.104

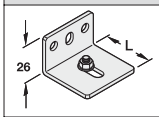
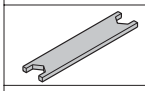
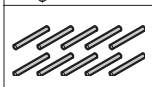
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

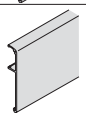
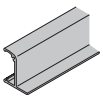
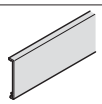
Sliding door fitting Classic 40-L/80-L/120-L SLIDO

Glass clamp set		Model	Version	For 1 door leaf	Length mm	Cat. No.
	For glass thickness 8 mm	40/80/120-L	A, B, C, D, E	2 pcs.	200	940.43.040
				1 pc.	1,000	940.43.042
				1 pc.	1,500	940.43.044
	For glass thickness 10 mm	40/80/120-L	A, B, C, D, E	2 pcs.	200	940.43.041
				1 pc.	1,000	940.43.043
				1 pc.	1,500	940.43.045

Tracks, components and accessories			Material	Finish	Length mm	Cat. No.
	①	Running track 31 x 33 mm (W x H), Leaf weight: 40–120 kg	Aluminium	Silver coloured anodized	2,000	940.43.922
					3,000	940.43.932
					4,000	940.43.942
					6,000	940.43.962
	②	Running track 47.5 x 47 mm (W x H), Leaf weight: 40–120 kg	Aluminium	Silver coloured anodized	2,000	940.43.920
					3,000	940.43.930
					4,000	940.43.940
					6,000	940.43.960
	⑥	Fixed glass fixing profile, for running track ①,②,③ for glass thickness 8–12.7 mm	Aluminium	Silver coloured anodized	2,000	940.43.820
					3,000	940.43.830
					4,000	940.43.840
					6,000	940.43.860
	–	Cover for unused aperture in fixed glass fixing profile	Rubber	Grey	–	940.43.038
	⑭	Fixed glass fixing profile for wall or floor, for glass thicknesses: 8–12.7 mm	Aluminium	Silver coloured anodized	2,000	940.43.822
					3,000	940.43.832
					4,000	940.43.842
					6,000	940.43.862
				Stainless steel coloured	2,000	940.43.823
					3,000	940.43.833
					4,000	940.43.843
					6,000	940.43.863
	⑮	Sealing profile, for glass thickness: 10 mm	Rubber	Transparent	10,000	940.43.035

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

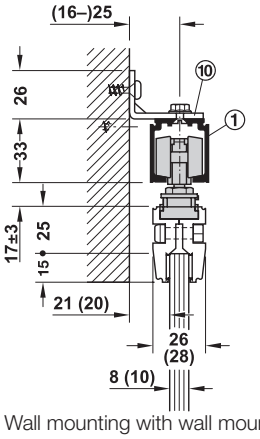
Additional components			Material	Finish	Length mm	Cat. No.
	⑩	Wall mounting bracket with screw and nut, for running track	Steel	Galvanized	36	940.42.061
					44	940.62.061
					64	940.42.063
	⑬	Mounting key tool	Steel	Galvanized	–	940.43.032
	–	Mounting key tool	Steel	Galvanized	–	941.25.090
	–	Floor guide, for glass thicknesses 8, 10, 12.7 mm	Zinc alloy	Nickel plated	–	940.82.030
	–	Floor guide, for glass thicknesses 8, 10, 12 mm	Stainless steel	Nickel plated matt	–	981.52.311

Cover plates and accessories			Material	Finish	Length mm	Cat. No.
	Ⓕ	Clip cover plate for running track ①, ② ,height 56 mm	Aluminium	Silver coloured anodized	2,000	940.43.123
					3,000	940.43.133
					6,000	940.43.163
	Ⓡ	Clip cover plate for running track ①, ② height 90 mm	Aluminium	Silver coloured anodized	2,000	941.25.720
					3,000	941.25.730
					6,000	941.25.760
	Ⓖ	Clip panel for running track ① ,② ,③ for integration in suspended ceilings	Aluminium	Silver coloured anodized	2,000	940.43.620
					3,000	940.43.630
					6,000	940.43.660
	Ⓢ	Side cover for cover plate, for running track ① and cover Ⓡ	Plastic	Sliver coloured	–	941.25.030
	Ⓤ	Side cover for cover plate, for running track ① cover Ⓕ	Plastic	Sliver coloured	–	940.43.028
	–	Side cover for glass clamp, height 43 mm	Aluminium	Silver coloured anodized	200	940.43.046
					1,000	940.43.047
					1,500	940.43.048
	–	End cap set for glass thickness 8 mm	Plastic	Sliver coloured	–	940.43.049
		End cap set for glass thickness 10 mm				940.43.050

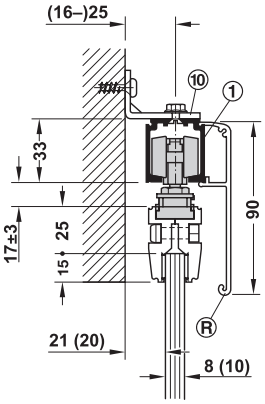
5

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

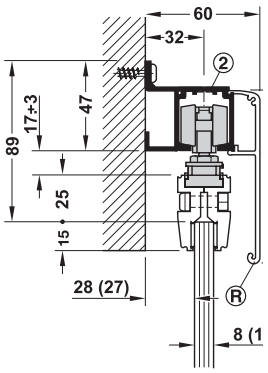
Sliding door application for Classic L and Synchro SLIDO



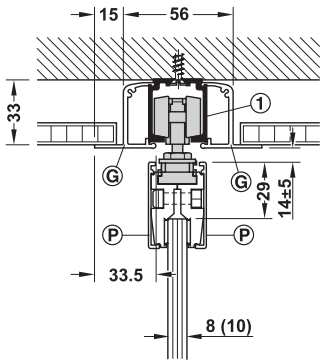
Wall mounting with wall mounting bracket



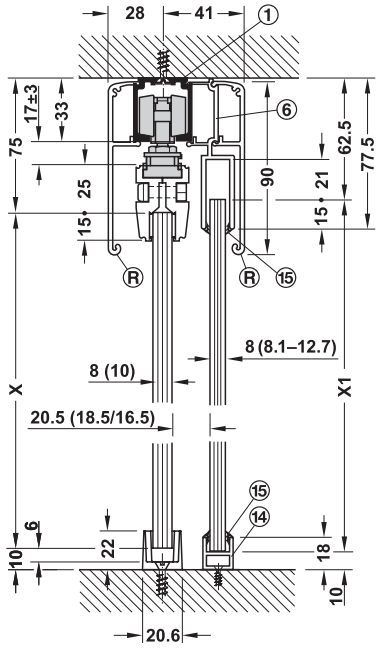
Wall mounting with wall mounting bracket and clip panel 90 mm



Wall mounting with running track and clip panel 90 mm



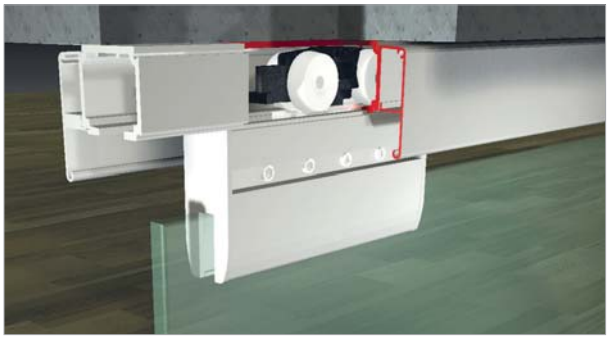
Ceiling installation with running track and 2 x clip panel for integration in suspended ceilings



Ceiling installation with running track and clip panel 90 mm incl. fixed component.
Sealing profile on one side for glass thickness 10 mm and wet sealing for glass thicknesses 8–12.7 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 40-N/80-N/120-N SLIDO





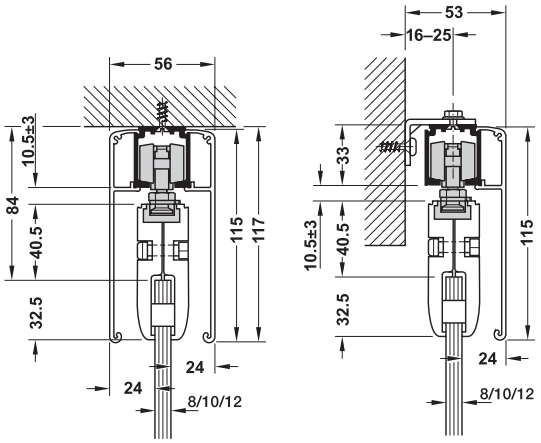
Feature

- For 1-leaf and 2-leaf sliding door
- Door height adjustable
- Suspension with flange clip (without tools)
- Suitable for temperered safety glass: 8–12 mm

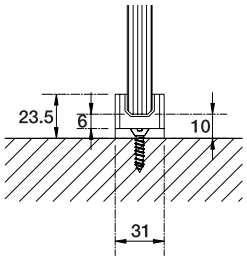
Technical data

- Max. door weight per leaf: 40–120kg

Ceiling installation and wall mounting



Floor guide



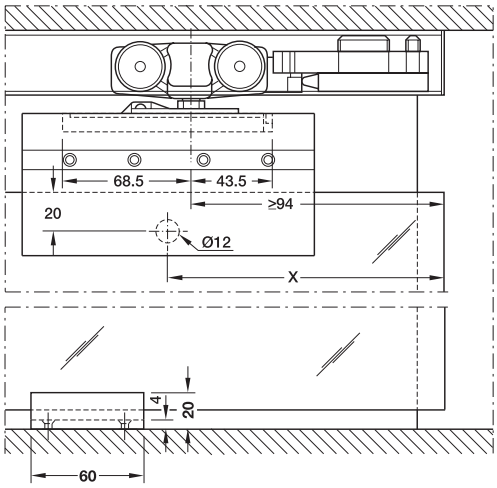
Sliding door fitting set		Version	For glass thickness mm	Min. door width mm	40 kg	80 kg	120 kg
	Without soft closing mechanism	A1	8	–	940.42.123	940.82.178	941.25.123
		A2	10			940.82.179	941.25.124
		A3	12			940.82.180	941.25.125
	On one side with soft closing mechanism	B1	8	682	940.42.124	940.82.181	–
		B2	10			940.82.182	
		B3	12			940.82.183	
	On both sides with soft closing mechanism	E1	8	936	940.42.125	940.82.184	–
		E2	10			940.82.185	
		E3	12			940.82.186	

Packing: 1 set

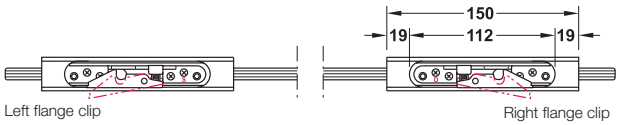
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 40-N/80-N/120-N SLIDO

Section guide and trolley hanger

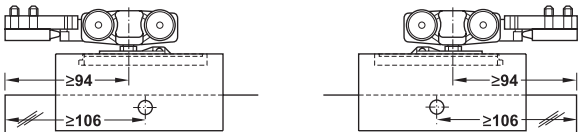


Installation

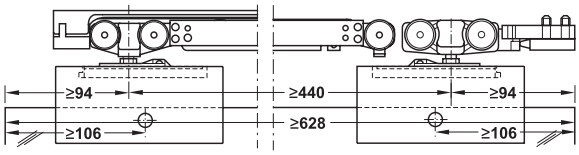


Soft closing versions overview

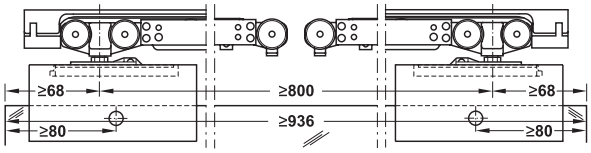
Version A1/2 /3 without soft mechanism



Version B1/2/3 with soft closing mechanism (1-side)



Version E1/2/3 with soft losing mechanism (both sides)

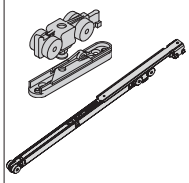
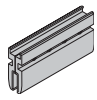
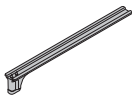
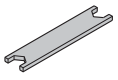


Note

Version A1/2/3 suitable for 40-N/80-N/120-N

Version B1/2/3 and E1/2/3 suitable for 40-N/80-N

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

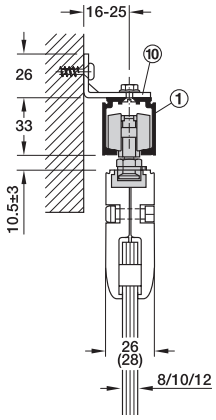
Set consisting of		Model	Mounting	Version	For 1 door leaf	Cat. No.
	Running gear, 4-wheel, suspension screw with nut and automatic bracket	40-N	Left	A1	1 pc.	940.42.014
			Right	A1	1 pc.	940.42.015
				B1		
			Left	B1	1 pc.	940.42.018
				E1		
			Right	E1	1 pc.	940.42.019
		80-N	Left	A1, A2, A3	1 pc.	940.82.013
			Right	A1, A2, A3	1 pc.	940.82.014
			Left	B1, B2, B3	1 pc.	940.82.016
				E1, E2 ,E3		
			Right	E1, E2 ,E3	1 pc.	940.82.017
		120-N	Left	A1, A2, A3	1 pc.	941.02.022
			Right	A1, A2, A3	1 pc.	941.02.023
	Glass clamp set with lateral end caps	40/80/120-N	For 8 mm	A1, B1, E1	1 pc.	940.42.023
			For 10 mm	A2, B2, E2	1 pc.	940.60.023
			For 12 mm	A3, B3, E3	1 pc.	940.82.035
	Release device with stopper using with soft closing device		–	A1,A2 ,A3	1 pc.	940.42.042
				B1, B2, B3	1 pc.	
	Track buffer with retainer spring and rubber buffer		–	B1, B2, B3	1 pc.	940.42.041
				A1, A2, A3	2 pcs.	
	Floor guide, stainless steel matt		–	For 8–12 ,7 mm	1 pc.	981.52.311
	Mounting key tool		–	A1, A2, A3, B1, B2, B3	1 pc.	940.43.032

3Order reference

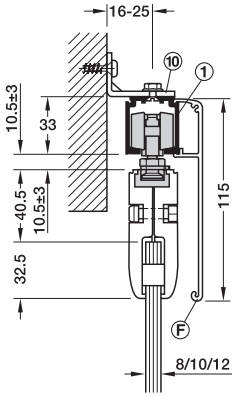
Sliding door application ..... page 5.108
Track and accessories ..... page 5.109

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

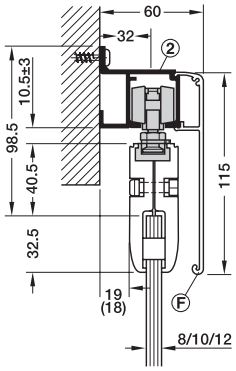
Sliding door application for Classic N and Synchro SLIDO



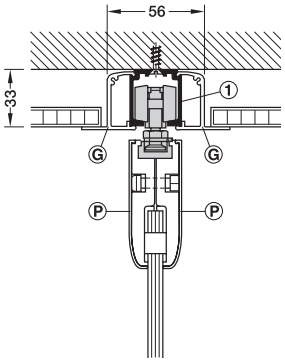
Wall mounting with wall mounting bracket



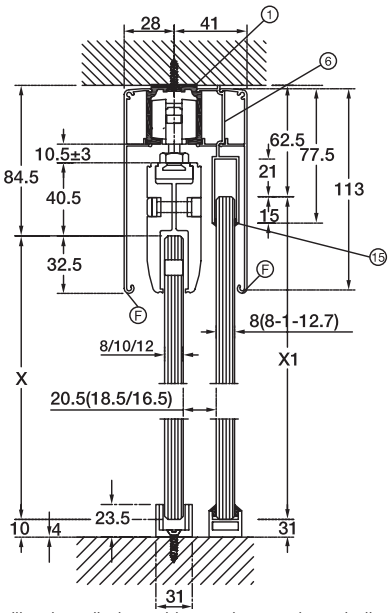
Wall mounting with mounting bracket and clip for panel 115 mm



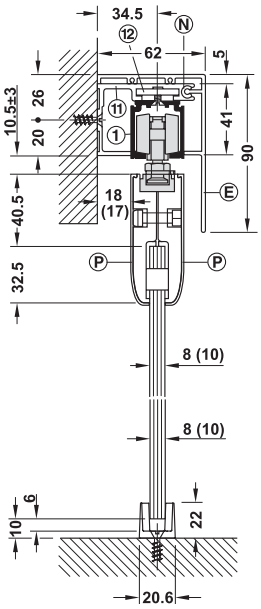
Wall mounting with running track and clip panel 115 mm



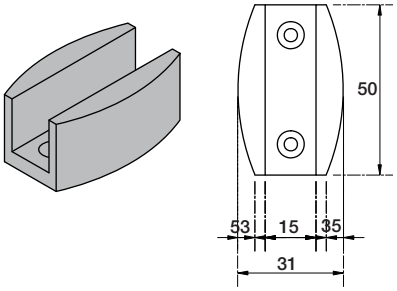
Ceiling installation with running track and 2x clip panel for integration in suspended ceilings



Ceiling installation with running track and clip panel 115 mm including fixed component



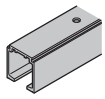
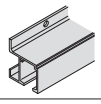
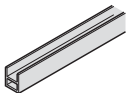
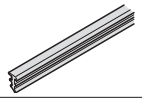
Wall mounting with wall bracket and clip panel 90 mm



Floor guide

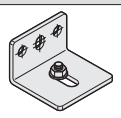
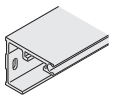
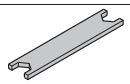
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Tracks, components and accessories

Track and additional accessories			Material	Finish	Length mm	Cat. No.
Single running track, 31 x 33 mm (WxH), leaf weight: 40–120 kg	①		Aluminium	Clear anodized	2,000	940.43.922
					3,000	940.43.932
					4,000	940.43.942
					6,000	940.43.962
Single running track, 47.5 x 47 mm (WxH), leaf weight: 40–120 kg	②		Aluminium	Clear anodized	2,000	940.43.920
					3,000	940.43.930
					4,000	940.43.940
					6,000	940.43.960
Fix glass fix profile for running track	⑥		Aluminium	Clear anodized	2,000	940.43.820
					3,000	940.43.830
					4,000	940.43.840
					6,000	940.43.860
Fixed glass fixing profile, for glass thickness 8–12 mm	⑭		Aluminium	Clear anodized	2,000	940.43.822
					3,000	940.43.832
					4,000	940.43.842
					6,000	940.43.862
				Stainless steel coloured	2,000	940.43.823
					3,000	940.43.833
					4,000	940.43.843
					6,000	940.43.863
Sealing profile, for glass thickness 8–10 mm	⑮		Rubber	Transparent	10,000	940.43.035

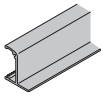
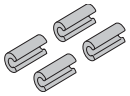
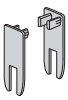
Note

The sealing profile 940.43.035 has to be seperated by hand. For 12 mm glass thickness use silicone. For 10 mm glass use the sealing profile on outer side. For 8 mm glass use the sealing profiles on both sides. Depending of the glass surface it could help to use slip additive to install the sealing profile - but only for the sealing profile not by using silicone.

Additional components			Material	Finish	Wall distance mm	Length mm	Cat. No.
Wall mounting bracket with screw and nut, for running track	⑩		Steel	Galvanized	16–25	36	940.42.061
					18–33	44	940.62.061
					33–55	64	940.42.063
Wall mounting bracket bar, for running track	⑪		Aluminium	Clear anodized	–	2,000	940.43.720
						3,000	940.43.730
						4,000	940.43.740
						6,000	940.43.760
Mounting holder, to mount track onto wall bracket	⑫		Steel	Galvanized	–	–	940.43.024
Mounting key tool	⑬		Steel	Galvanized	–	–	940.43.032

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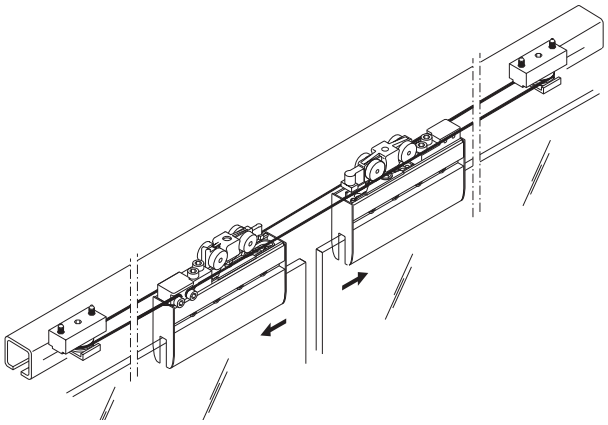
Tracks, components and accessories

Cover plates and accessories			Material	Finish	Length mm	Cat. No.
Clip panel for running track ①, ② height 68 mm	Ⓒ		Aluminium	Clear anodized	2,000	940.43.120
					3,000	940.43.130
					4,000	940.43.140
					6,000	940.43.160
				Stainless steel coloured anodized	2,000	940.43.122
					3,000	940.43.132
					4,000	940.43.142
					6,000	940.43.162
Clip panel for wall bracket ⑪ height 90 mm	Ⓔ		Aluminium	Clear anodized	2,000	940.43.320
					3,000	940.43.330
					4,000	940.43.340
					6,000	940.43.360
Clip panel for running track ①, ② height 115 mm	Ⓕ		Aluminium	Clear anodized	2,000	940.43.420
					3,000	940.43.430
					4,000	940.43.440
					6,000	940.43.460
Clip panel for running track ①, lowered ceiling integration	Ⓖ		Aluminium	Clear anodized	2,000	940.43.620
					3,000	940.43.630
					4,000	940.43.640
					6,000	940.43.660
Clip panel for glass clamp	Ⓟ		Aluminium	Silver coloured anodized	150	940.43.500
					2,000	940.43.520
					3,000	940.43.530
					4,000	940.43.540
					6,000	940.43.560
Side cover for cover plate, for running track ① and cover Ⓒ	Ⓗ		Plastic	Sliver coloured	–	940.43.031
				Stainless steel coloured	–	940.43.036
Side cover for cover plate, for running track ② and cover Ⓕ	Ⓚ		Plastic	Sliver coloured	–	940.43.021
Side cover for cover plate, for running track ② and cover Ⓒ	Ⓙ		Plastic	Sliver coloured	–	940.43.020
Side cover for cover plate, for wall bracket ⑪ and cover Ⓔ	Ⓛ		Plastic	Sliver coloured	–	940.43.023
Side cover for cover plate, for running track ① and cover Ⓕ	Ⓜ		Plastic	Sliver coloured	–	940.43.029
Fixing clip set, 4 pcs. for wall bracket ⑪ and cover Ⓔ	Ⓝ		Plastic	Black	–	940.43.022
End cap set for glass clamp 8 mm	Ⓠ		Plastic	Sliver coloured	–	940.43.026
End cap set for glass clamp 10 mm						940.43.027
						940.82.026

5

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Additional set Classic Synchro SLIDO



Feature

- For Slido Classic 40-N/80-N/120-N
- Symmetrical opening of 2-leaf doors
- Low wear and tear with quiet running action
- Max. door width:600 mm

For 1 synchro set please order:

2 Sets glass clamp for required glass thickness: 8, 10 or 12 mm (940.42.023, 940.60.023, 940.82.035)
4 Track buffers (940.62.041)
1 Synchro set (941.02.000)
1 Track in required length 2,000, 3,000 , 4,000 or 6,000 mm (940.43.921/931/941/961)
Additional you can order the accordingly clip panel and end cap set, see page 5.109

Note

The additional synchro set must be ordered in combination with 4 sets of glass clamp (for 8, 10 or 12 mm), 4 pcs. of track buffers (Classic 40-N/80-N,/120-N) and running track. This product is not usable for versions with soft closing mechanism.

Synchro fitting set	Cat. No.
For 2-leaf door without soft closing mechanism	941.02.000

Set consisting of		For 2-leaf	Cat. No.
	Running gear, 4 rollers	4 pcs.	940.60.019
	Track buffer with deflection roller	2 pcs.	940.60.090
	Cable fixing block	2 pcs.	940.60.092
	Cable with plastic coating 10 m	1 pc.	940.44.072

Order reference

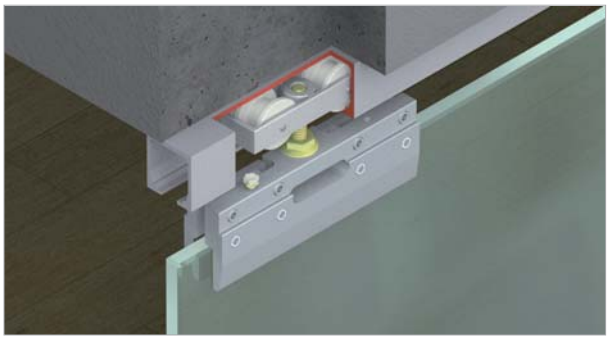
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Order reference

Classic 40-N/80-N/120-N ..... page 5.105

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 40/GS HAWA





Features

- For 1- and 2-leaf sliding doors
- Height adjustable door leaves
- Point fixing with glass retainer
- Suspension with clamp shoe
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

Technical data

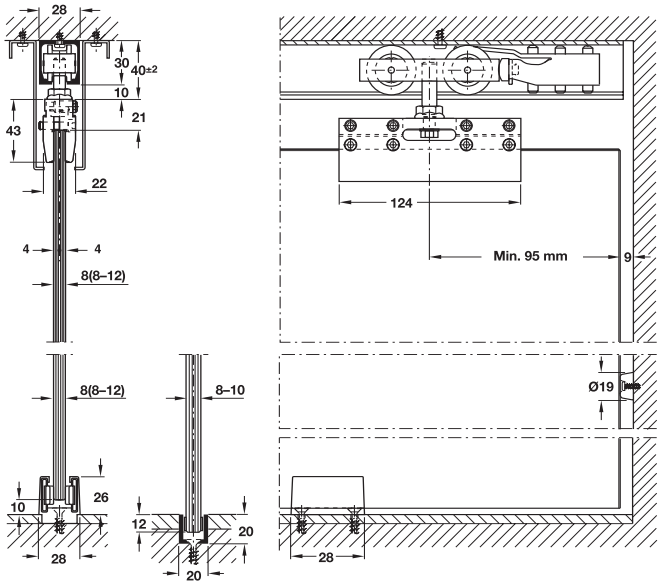
- Max. weight per door leaf: 40 kg
- For glass thickness: 8, 10 and 12 mm

Material

- Running gear with plastic rollers
- Floor guide free of play plastic

Installation information

- In case of 2-leaf sliding doors, ensure that the glass leaves cannot knock against each other, use guide track with buffers

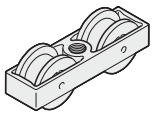
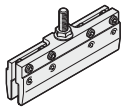
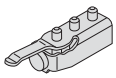
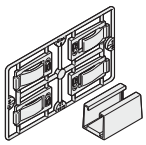


Note: 6 mm thick glass may be used with alternative floor mounted guide

Sliding door fitting set, without running track		Cat. No.
–	Without soft closing mechanism	940.40.008

Packing: 1 set

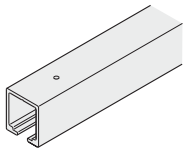
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

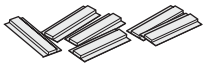
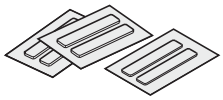
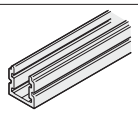
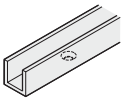
Set consisting of		For 1 door	Cat. No.
	Running gear, 2-wheel, screw M8	2 pcs.	940.40.012
	Clamp shoe with suspension screw M8	2 pcs.	940.40.025
	Track buffer with adjustable retainer	2 pcs.	940.40.041
	Rubber wall buffer	1 pc.	940.40.051
	Floor guide free of play	1 pc.	940.40.032

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

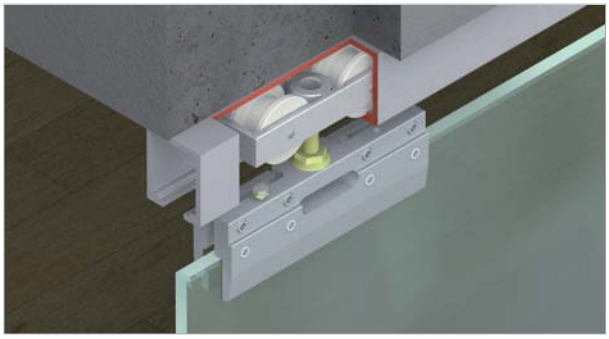
5

Track		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.40.200
				3,000	940.40.300
				4,000	940.40.400
				6,000	940.40.600

Additional components		Length mm	Cat. No.
	Self adhesive glide elements for glass thickness 8 mm, set of 6 pcs.	–	940.40.033
	Self adhesive glide elements for glass thickness 10 mm, set of 6 pcs.	–	940.40.034
	Guide track 24 x 24 mm	2,500	940.81.250
		3,500	940.81.350
		6,000	940.81.600
	Floor mounted door buffer 57 x 28 x 39 mm (L x W x H)	–	940.40.052
	Guide track 20 x 20 x 3 mm	2,000	941.00.920
		3,000	941.00.930
		4,000	941.00.940
		6,000	941.00.960

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 80/GS HAWA





Features

- For 1- and 2-leaf sliding doors
- Height adjustable door leaves
- Suspension with clamp shoe
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

Technical data

- Max. door weight per leaf 80 kg
- For glass thickness 8, 10 and 12 mm

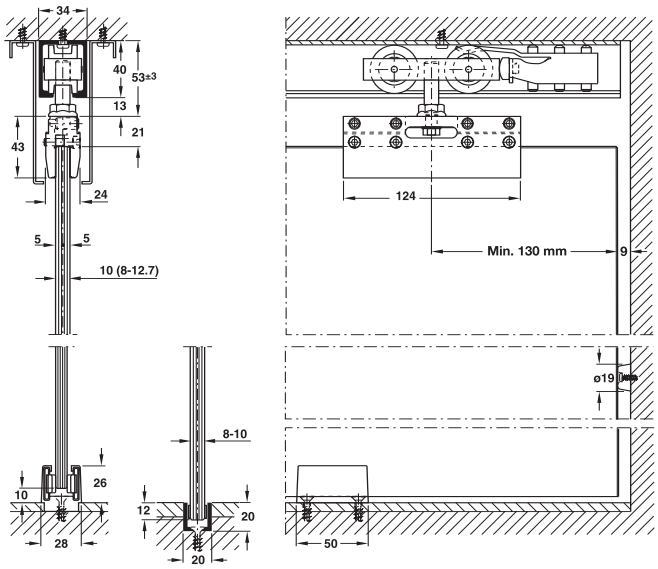
Material

- Running gear with plastic rollers
- Floor guide free of play plastic

Installation information

- In case of 2-leaf sliding doors, ensure that the glass leaves cannot knock against each other, use guide track with buffers

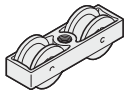
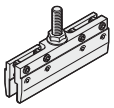
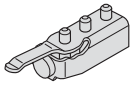
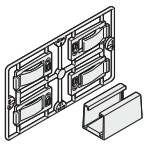
Ceiling installation and wall mounting



Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	940.80.008

Packing: 1 set

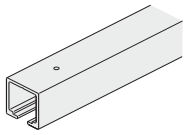
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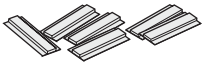
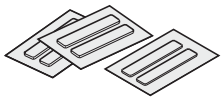
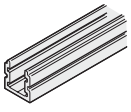
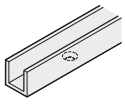
Set consisting of		For 1 door	Cat. No.
	Running gear 2-wheel	2 pcs.	940.80.012
	Clamp shoe with suspension screw M10	2 pcs.	940.80.025
	Track buffer with adjustable retainer	2 pcs.	940.80.041
	Rubber wall buffer	1 pc.	940.40.051
	Floor guide free of play	1 pc.	940.40.032

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

5

Track		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.80.200
				3,000	940.80.300
				4,000	940.80.400
				6,000	940.80.600

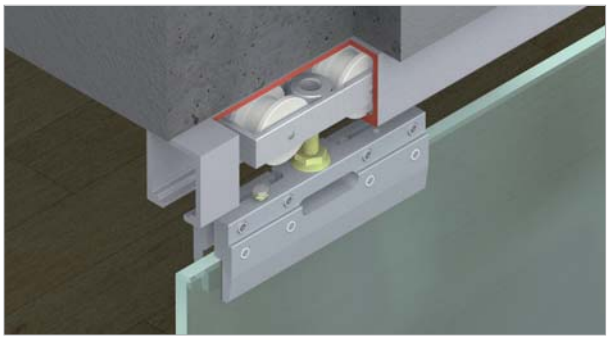
Additional components		Length mm	Cat. No.
	Self adhesive glide elements for glass thickness 8 mm, set of 6 pcs.	–	940.40.033
	Self adhesive glide elements for glass thickness 10 mm, set of 6 pcs.	–	940.40.034
	Guide track 24 x 24 mm	2,500	940.81.250
		3,500	940.81.350
		6,000	940.81.600
	Floor mounted door buffer (L x W x H) 57 x 28 x 39 mm	–	940.40.052
	Guide track 20 x 20 x 3 mm	2,000	941.00.920
		3,000	941.00.930
		4,000	941.00.940
		6,000	941.00.960

Order reference

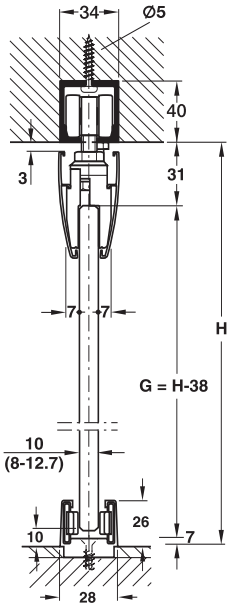
Soft close device ..... page 5.80

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

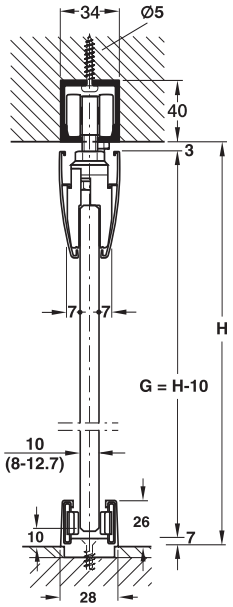
GS Cover profile



Ceiling installation and wall mounting

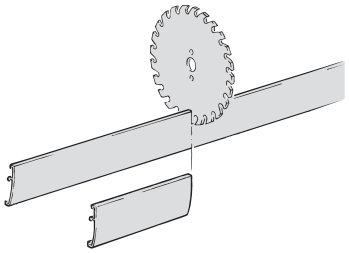


Installation option A and D
without glass preparation
(H = internal height,
G = glass height)

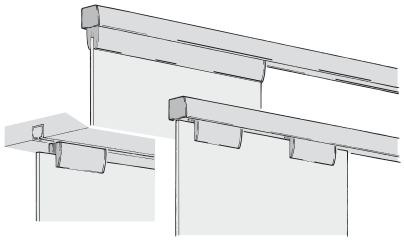


Installation option B and C
with glass preparation
(H = internal height,
G = glass height)

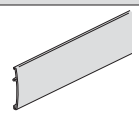
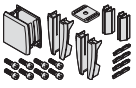
Note



Cut clip panel as required, see installation options and installation instructions



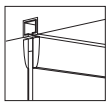
Installation examples without and with glass preparation

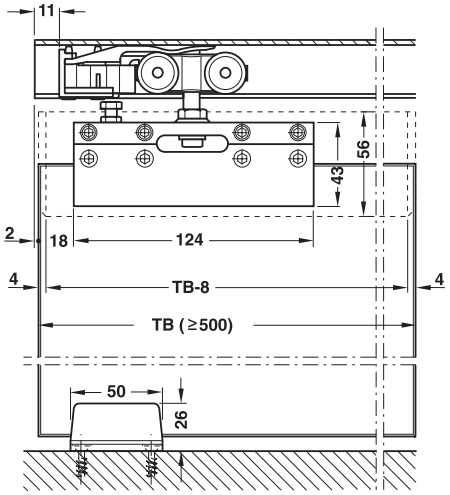
Components and acessories		Material	Finish	Length mm	Cat. No.
	Clip panel for glass fitting	Aluminium	Silver coloured anodized	2,500	941.01.625
	Panel and piece set	Plastic	Anthracite	–	941.01.999

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Installation option A without glass preparation

Clamp mounted outside, with continuous clip panel

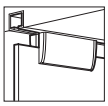


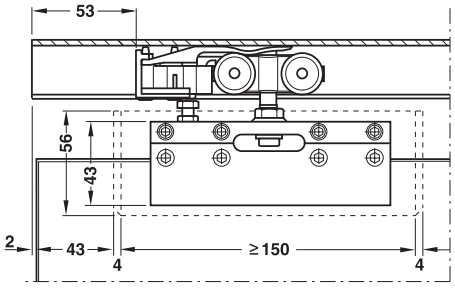


TB = Door width

Installation option D without glass preparation

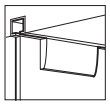
Clamp mounted offset inwards, clip panel conceals only the clamp

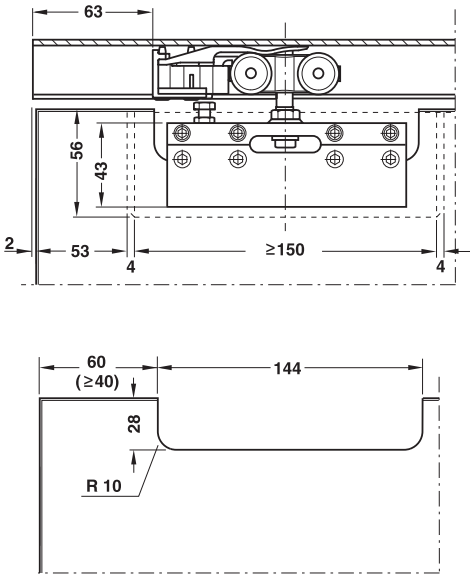




Installation option B with glass preparation

Clamp mounted offset inwards, clip panel conceals only the clamp

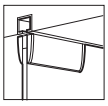


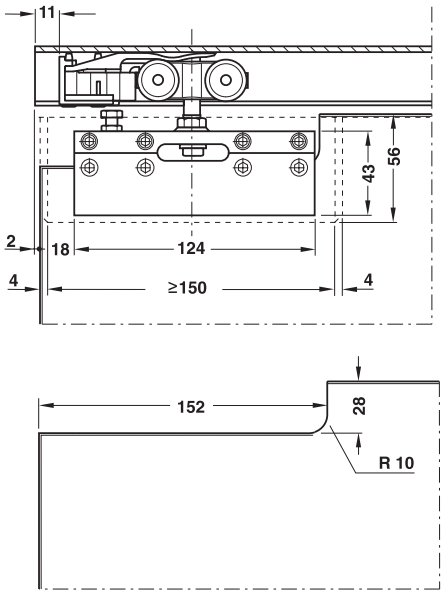


Required glass cut-out

Installation option C with glass preparation

Clamp smounted outside, clip panel conceals only the clamp



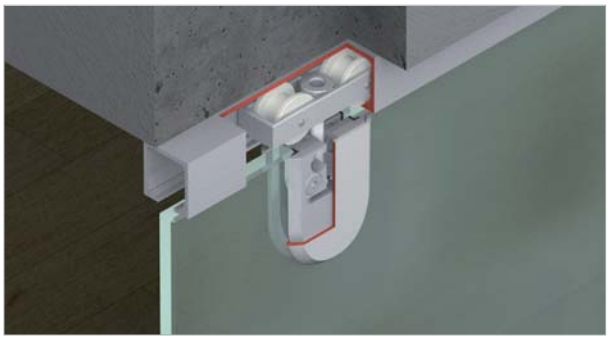


Required glass cut-out

5

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 40/GP HAWA





Features

- For 1- and 2-leaf sliding doors
- Suitable for toughened safety glass and laminated sheet glass
- Low installation height
- Height adjustable door leaves
- Point fixing with glass retainer
- Suspension with suspension screw
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

Technical data

- Max. door weight per leaf: 40 kg
- For glass thickness: 8, 10 and 12 mm

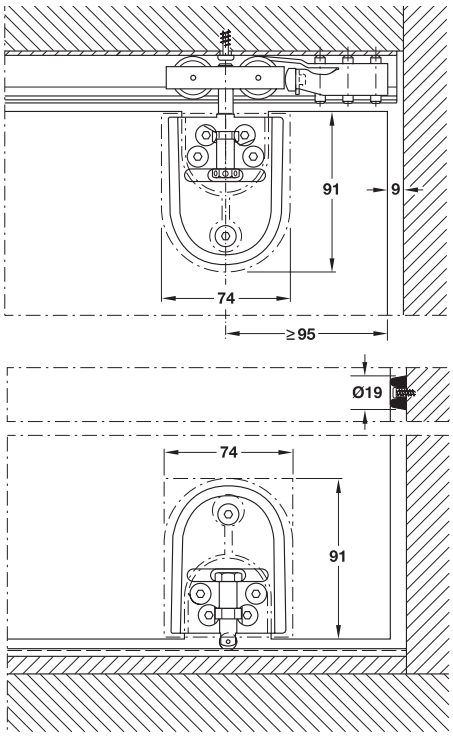
Material

- Running gear with plastic rollers
- Floor guide free of play plastic

Installation information

- In case of 2-leaf sliding doors, ensure that the glass leaves cannot knock against each other, use guide track with buffers

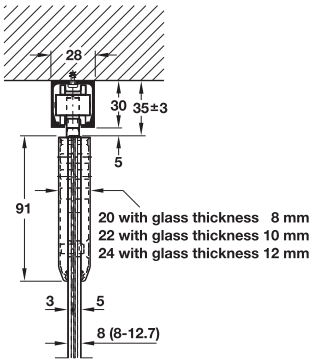
Ceiling installation and wall mounting



Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	940.41.001

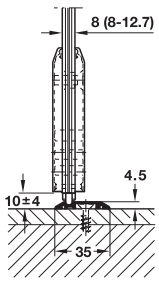
Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

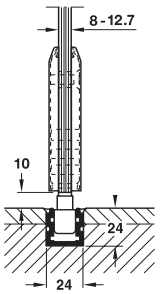


Order reference

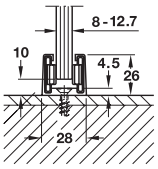
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors. Please order cover caps and additional components for the different built-in versions separately.



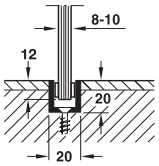
Built-in version 1



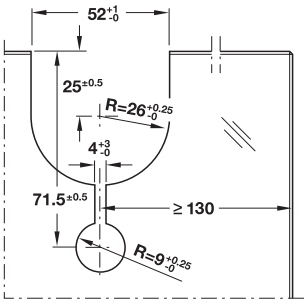
Built-in version 2



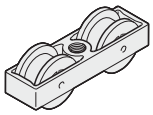
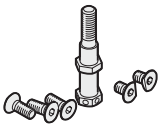
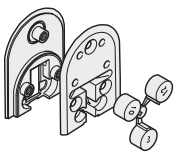
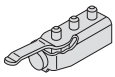
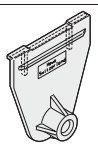
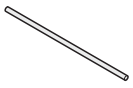
Built-in version 3

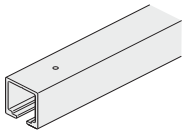


Built-in version 4



Required glass cut-outs

Set consisting of			Cat. No.
	Running gear 2-wheel	2 pcs.	940.40.012
	Suspension bolt M8 and mounting screws	2 pcs.	940.41.022
	Glass patch retainer	2 pcs.	940.40.038
	Track buffer with adjustable retainer	2 pcs.	940.40.041
	One-way drilling jig	1 pc.	940.40.089
	Rubber wall buffer	1 pc.	940.40.051
	Height adjusting pin	1 pc.	940.40.090

Track		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.40.200
				3,000	940.40.300
				4,000	940.40.400
				6,000	940.40.600

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 80/GP HAWA





Features

- For 1- and 2-leaf sliding doors
- Suitable for toughened safety glass and laminated sheet glass
- Low installation height
- Height adjustable door leaves
- Point fixing with glass patch retainer
- Suspension with suspension bolt
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

Technical data

- Max. door weight per leaf: 80 kg
- For glass thickness: 8, 10 and 12 mm

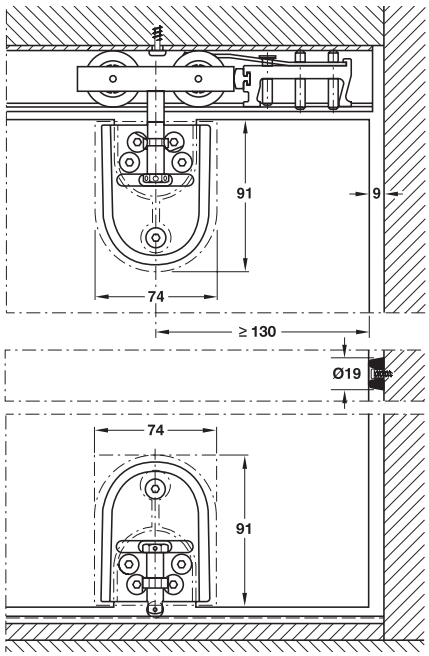
Material

- Running gear with plastic rollers
- Floor guide free of play plastic

Installation information

- In case of 2-leaf sliding doors, ensure that the glass leaves cannot knock against each other, use guide track with buffers

Ceiling installation and wall mounting



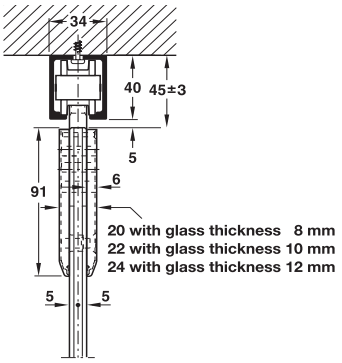
Sliding door fitting set, without running track		Cat. No.
–	Without soft closing mechanism	940.81.006

Packing: 1 set

Order reference

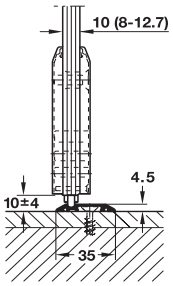
Soft close device ..... page 5.80

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

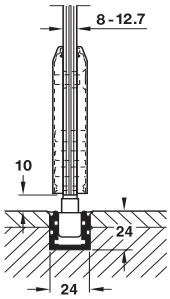


Order reference

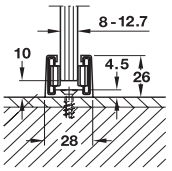
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors. Please order cover caps and additional components for the different built-in versions separately.



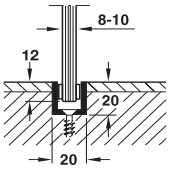
Built-in version 1



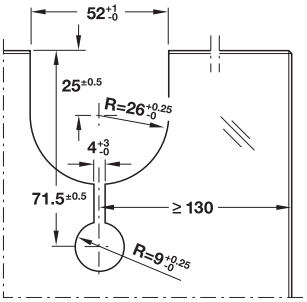
Built-in version 2



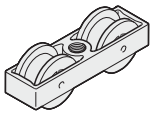
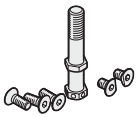
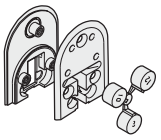
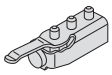
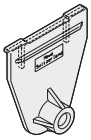
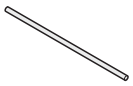
Built-in version 3

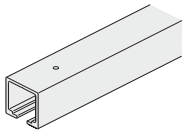


Built-in version 4



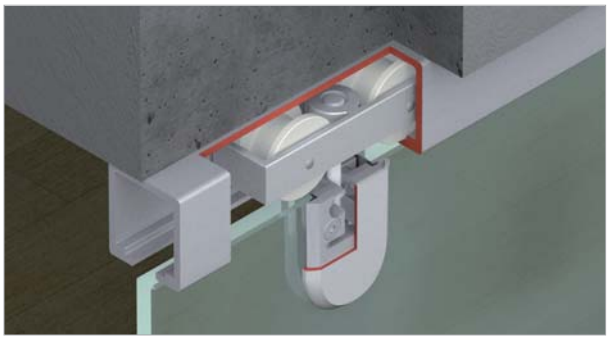
Required glass cut-outs

Set consisting of			Cat. No.
	Running gear 2-wheel	2 pcs.	940.80.012
	Suspension bolt M10 and mounting screws	2 pcs.	940.81.023
	Glass patch retainer	2 pcs.	940.40.038
	Track buffer with adjustable retainer	2 pcs.	940.80.041
	One-way drilling jig	1 pc.	940.40.089
	Rubber wall buffer	1 pc.	940.40.051
	Height adjusting pin	1 pc.	940.40.090

Track		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.80.200
				3,000	940.80.300
				4,000	940.80.400
				6,000	940.80.600
			Stainless steel coloured anodized	4,000	940.80.404
				6,000	940.80.604

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 120/GP HAWA





Features

- For 1- and 2-leaf sliding doors
- Suitable for toughened safety glass and laminated sheet glass
- Low installation height
- Height adjustable door leaves
- Point fixing with glass patch retainer
- Suspension with suspension bolt
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

Technical data

- Max. door weight per leaf: 120 kg
- For glass thickness: 8, 10 and 12 mm

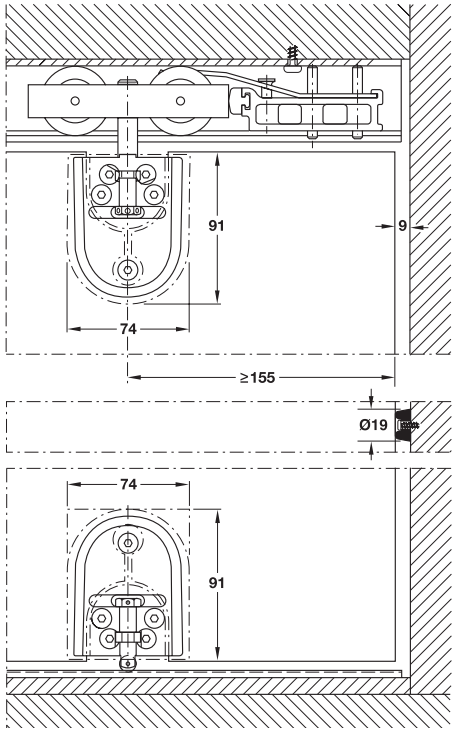
Material

- Running gear with plastic rollers
- Floor guide free of play plastic

Installation information

- In case of 2-leaf sliding doors, ensure that the glass leaves cannot knock against each other, use of guide track with buffers

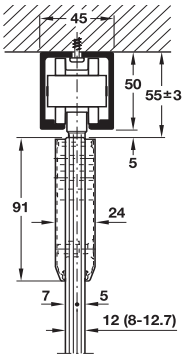
Ceiling installation and wall mounting



Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	941.20.006

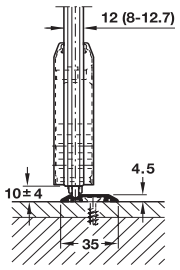
Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

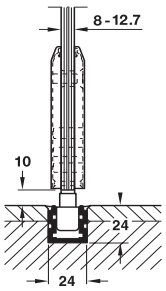


Order reference

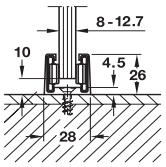
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors. Please order cover caps and additional components for the different built-in versions separately.



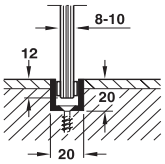
Built-in version 1



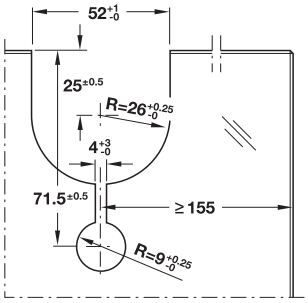
Built-in version 2



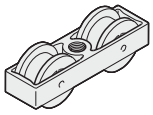
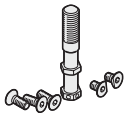
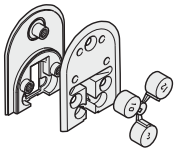
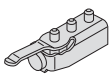
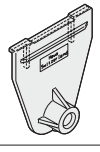
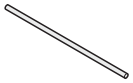
Built-in version 3

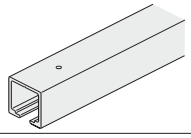


Built-in version 4



Required glass cut-outs

Set consisting of			Cat. No.
	Running gear 2-wheel M12	2 pcs.	941.20.012
	Suspension bolt M12 and mounting screws	2 pcs.	941.20.023
	Glass patch retainer	2 pcs.	940.40.038
	Track buffer with adjustable retainer	2 pcs.	941.20.041
	One-way drilling jig	1 pc.	940.40.089
	Rubber wall buffer	1 pc.	940.40.051
	Height adjusting pin	1 pc.	940.40.090

Track		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	941.20.200
				3,000	941.20.300
				4,000	941.20.400
				6,000	941.20.600

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 160/GP HAWA





Features

- For 1- and 2-leaf sliding doors
- Suitable for toughened safety glass and laminated sheet glass
- Low installation height
- Height adjustable door leaves
- Point fixing with glass patch retainer
- Suspension with suspension bolt
- Low wear and tear
- Quiet running action
- LGA tested to min. 100,000 cycles (EN1527)

Technical data

- Max. door weight per leaf: 160 kg
- For glass thickness: 8, 10, 12 and 12.7 mm

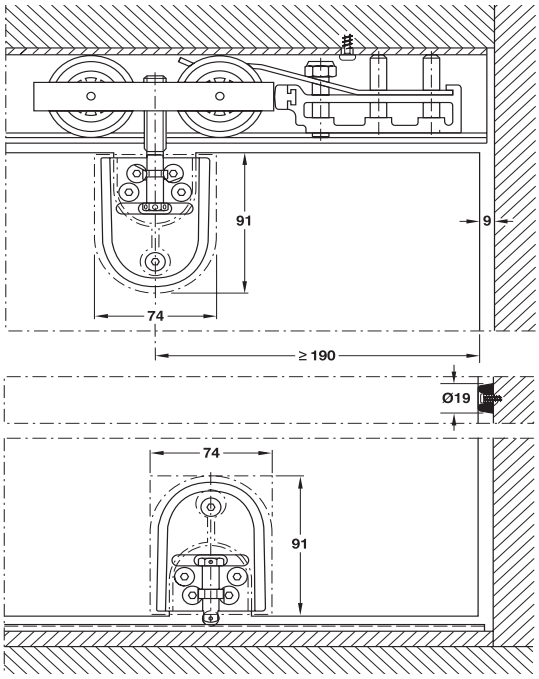
Material

- Running gear with plastic rollers
- Floor guide free of play plastic

Installation information

- In case of 2-leaf sliding doors, ensure that the glass leaves cannot knock against each other, use guide track with buffers

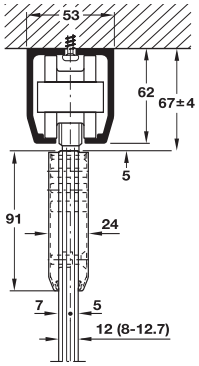
Ceiling installation and wall mounting



Sliding door fitting set, without running track		Cat. No.
–	Without soft closing mechanism	941.60.005

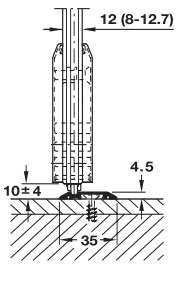
Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

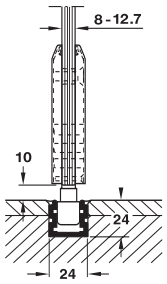


Order reference

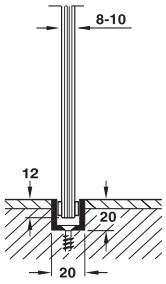
Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors. Please order cover caps and additional components for the different built-in versions separately.



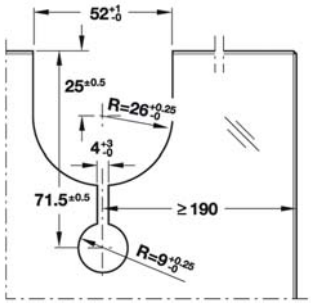
Built-in version 1



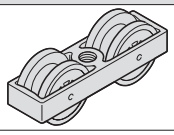
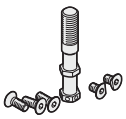
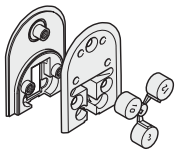
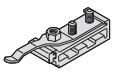
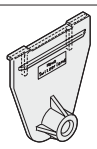
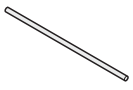
Built-in version 2

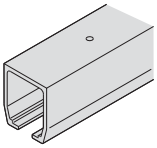


Built-in version 4



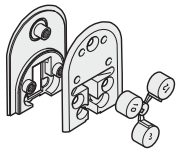
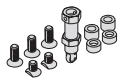
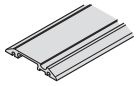
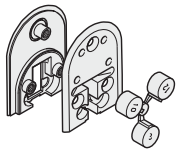
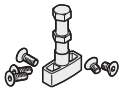
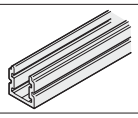
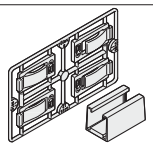
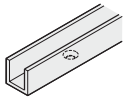
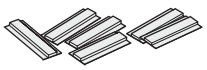
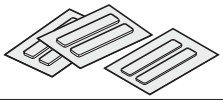
Required glass cut-outs

Set consisting of			Cat. No.
	Running gear 2-wheel M14	2 pcs.	941.60.012
	Suspension bolt M14 and mounting screws	2 pcs.	941.60.023
	Glass patch retainer	2 pcs.	940.40.038
	Track buffer with adjustable retainer	2 pcs.	941.60.041
	One-way drilling jig	1 pc.	940.40.089
	Rubber wall buffer	1 pc.	940.40.051
	Height adjusting pin	1 pc.	940.40.090

Track		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	941.60.200
				3,000	941.60.300
				4,000	941.60.400
				6,000	941.60.600

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Accessories for sliding door fittings Junior 40/GP, 80/GP, 120/GP, 160/GP HAWA

Additional components for different built-in versions		Length mm	Cat. No.
Built-in version 1			
	Glass patch retainer	–	940.40.038
	Floor guide for use with the guide track	–	940.40.039
	Single guide track	2,500	940.41.725
		3,500	940.41.735
		6,000	940.41.760
	Fixing set for single guide track à 5 pieces, required 2 pieces per meter	–	404.97.990
Built-in version 2			
	Glass patch retainer	–	940.40.038
	Guide glide with mounting screws, for use with glass patch retainer	–	940.40.035
	Guide track 24 x 24 mm	2,500	940.41.250
		3,500	940.41.350
		6,000	940.41.600
	Buffers for guide track 24 x 24 mm	–	940.80.051
Built-in version 3			
	Floor guide free of play for glass thicknesses of 8, 10, 12 and 12.7 mm	–	940.40.032
Built-in version 4			
	Guide track 20 x 20 x 3 mm, drilled	2,000	941.00.920
		3,000	941.00.930
		4,000	941.00.940
		6,000	941.00.960
	Self adhesive glide elements for glass thickness 8 mm, (Set of 6 pcs.)	–	940.40.033
	Self adhesive glide elements for glass thickness 10 mm, (Set of 6 pcs.)	–	940.40.034

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We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Cover caps



Square cover caps



Rounded cover caps





Plastic chrome plated matt



Plastic brass plated polished



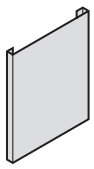
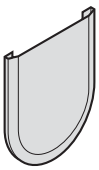
Plastic stainless steel coloured



Plastic chrome plated polished



Plastic unfinished

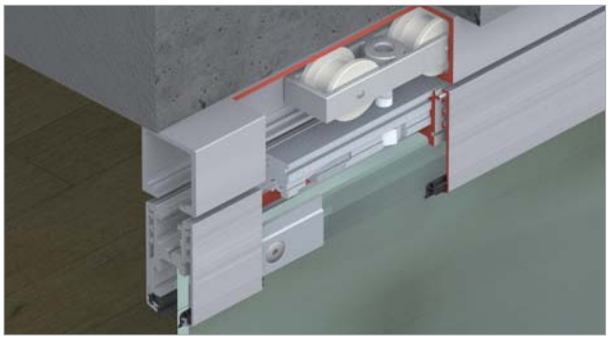
Cover caps:		Material/Finish	Packing	Cat. No.
	Square, for use with glass patch retainer	Plastic chrome plated matt	Set of 4 pcs.	940.41.028
		Plastic stainless steel coloured	Set of 4 pcs.	940.41.027
		Plastic unfinished	1 pc.	940.41.024
	Rounded, for use with glass patch retainer	Plastic chrome plated matt	Set of 4 pcs.	940.40.027
		Plastic brass plated polished	Set of 4 pcs.	940.40.028
		Plastic stainless steel coloured	Set of 4 pcs.	940.40.023
		Plastic chrome plated polished	Set of 4 pcs.	940.41.029
		Plastic unfinished	1 pc.	940.41.023

Order reference

Glass door lock ..... page 7.37

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 80/GL HAWA





Features

- For 1- and 2-leaf sliding doors
- Suitable for tempered safety glass
- Doors height adjustable without removing the glass fixings
- Extremely secure due to solid glass fixing
- Quiet running action
- Aluminium panel with clip-on rubber

Technical data

- Max. door weight per leaf: 80 kg
- For glass thickness: 8, 9.5 and 12 mm

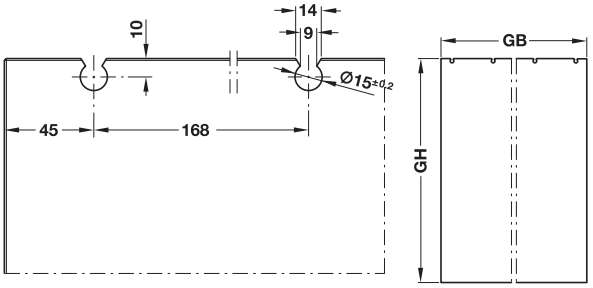
Material

- Running gear with plastic rollers
- Floor guide free of play plastic

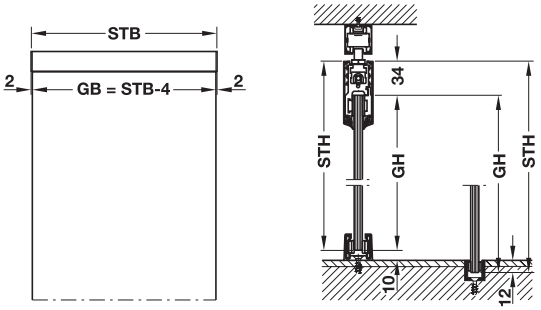
Installation information

- In case of 2-leaf sliding doors, ensure that the glass leaves cannot knock against each other, use guide track with buffers

Ceiling installation and wall mounting



Required glass cut-outs, dimensions must be observed

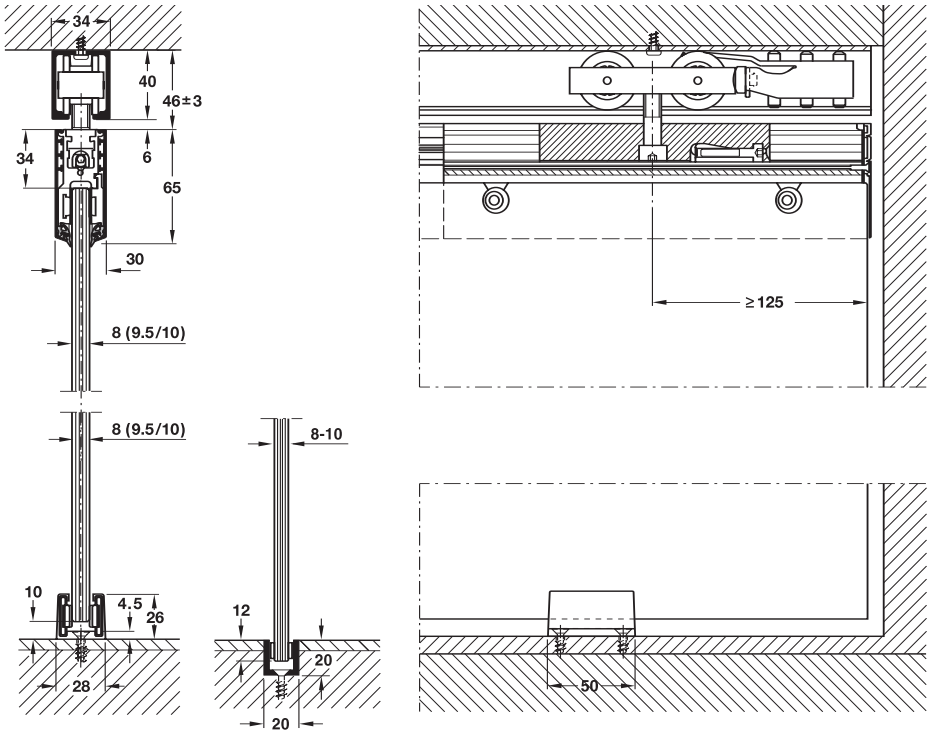


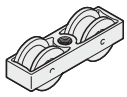
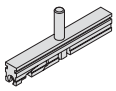
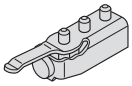
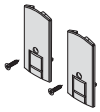
GB = glass width, GH = glass height,
STB = sliding door width, STH = sliding door height

Sliding door fitting set, without running track		Cat. No.
	Without soft closing mechanism	940.81.005

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



Set consisting of			Cat. No.
	Running gear, 2-wheel M10	2 pcs.	940.80.012
	Suspension carriage with M10 suspension screw	2 pcs.	940.81.017
	Track buffer with adjustable retainer	2 pcs.	940.80.041
	Glass fixing profile, length 240 mm	2 pcs.	943.31.020
	Cover caps	1 pair	940.40.064
	Mounting setfor 2 glass fixing profiles	1 pc.	940.40.098
	Allen key 4 mm length 160 mm	1 pc.	940.40.097
	Adjustment tool	1 pc.	943.31.029

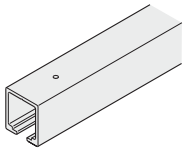
Order reference

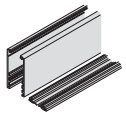
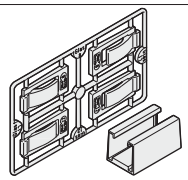
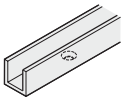
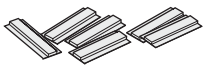
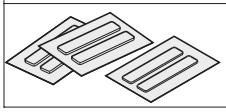
Catalogue numbers refer to 1 piece. When ordering individual components, please specify the required quantity.

Please order floor guide and cover caps separately.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 80/GL HAWA

		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.80.200
				3,000	940.80.300
				4,000	940.80.400
				6,000	940.80.600
			Stainless steel	4,000	940.80.404
				6,000	940.80.604

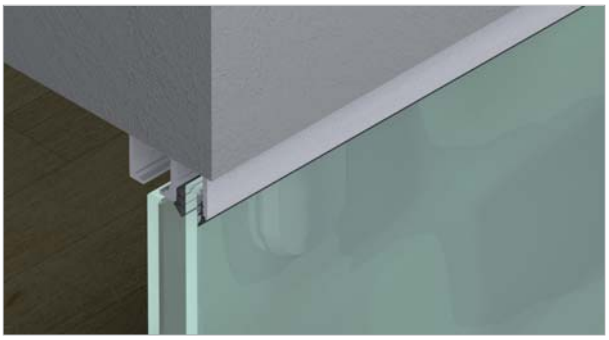
Additional components		Material	Finish	Length mm	Cat. No.
	Cover profile	Aluminium	Bright	1,200	940.41.402
			Silver coloured anodized	1,200	940.41.405
			Stainless steel coloured	1,200	940.41.408
	Fixing set for single guide track à 5 pieces, required 2 pieces per meter	–	For glass thickness 8 mm	–	940.41.050
			For glass thickness 9.5 mm		940.41.051
			For glass thickness 10 mm	–	940.41.052
	Floor guide free of play for glass thicknesses of 8, 10, 12 and 12.7 mm	Steel	Chrome plated matt	–	940.40.032
	Guide track 24 x 24 mm	Aluminium	Silver coloured anodized	2,000	941.00.920
				3,000	941.00.930
				4,000	941.00.940
				6,000	941.00.960
	Self adhesive glide elements, Set of 6 pcs.	–	For glass thickness 8 mm	–	940.40.033
	Self adhesive glide elements, Set of 6 pcs.	–	For glass thickness 10 mm	–	940.40.034

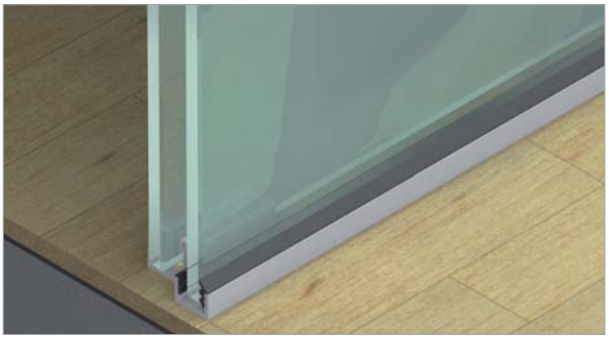
Order reference

Soft close device ..... page 5.80

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fixed glass panels for Junior 40/GP HAWA





Features

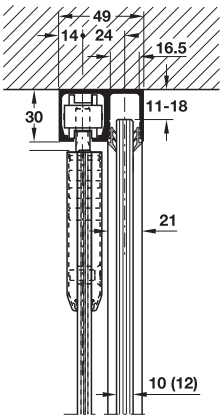
- For partitioning systems
- Suitable for toughened safty glass and laminated sheet glass
- No glass preparation required

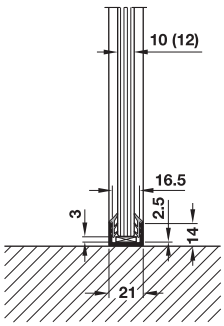
Technical data

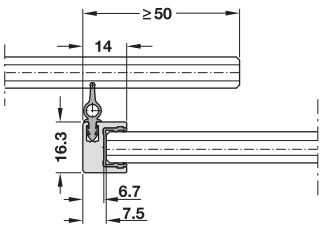
- Max. door weight per leaf: 40 kg
- For glass thickness:
  Tempered safety glass: 10 and 12 mm
  Laminated glass: 10–12 mm

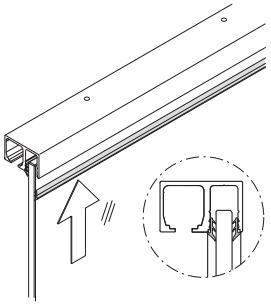
Material/Finish

- Aluminium clear anodized

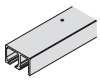
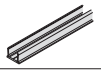








Insert rubber profile on both sides
(double order quantity)

Individual components		Length mm	Cat. No.
	Running track with fixed glass panels	2,000	940.40.206
		3,000	940.40.306
		4,000	940.40.406
		6,000	940.40.606
	Cover profile for running track	1,250	940.40.132
		3,000	940.40.307
	Floor/wall profile	4,000	940.41.540
		6,000	940.41.560
	Rubber profile	Roll 10 m	940.41.053
	Floor/wall glass fixing piece	50	940.41.054
	Vertical seal for Junior set 40/80 HAWA	2,500	940.41.825
		3,500	940.41.835

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fixed glass panels for Junior 80/GP, 80/GL HAWA





Features

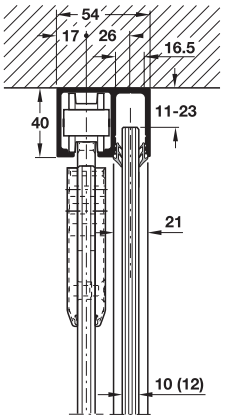
- For partitioning systems
- Suitable for toughened safty glass and laminated sheet glass
- No glass preparation required

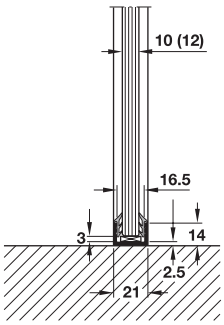
Technical data

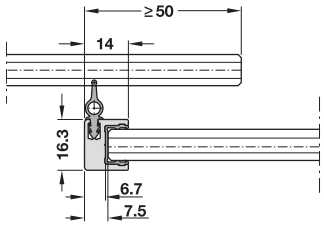
- Max. door weight per leaf: 80 kg
- For glass thickness:
  Tempered safety glass: 10 and 12 mm
  Laminated glass: 10–12 mm

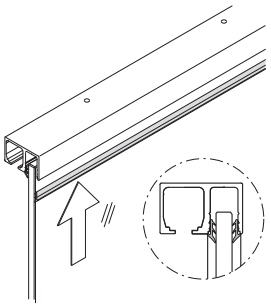
Material/Finish

- Aluminium silver coloured anodized

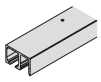
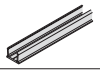
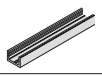








Insert rubber profile on both sides
(double order quantity)

Individual components		Length mm	Cat. No.
	Running track with fixed glass panels	2,000	940.80.206
		3,000	940.80.306
		4,000	940.80.406
		6,000	940.80.606
	Cover profile for running track	1,250	940.40.132
		3,000	940.40.307
	Floor/wall profile	4,000	940.41.540
		6,000	940.41.560
	Rubber profile black	Roll 10 m	940.41.053
	Floor/wall glass fixing piece	50	940.41.054
	Vertical seal for Junior set 40/80 HAWA	2,500	940.41.825
		3,500	940.41.835

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fixed glass panels for Junior 120/GP HAWA





Features

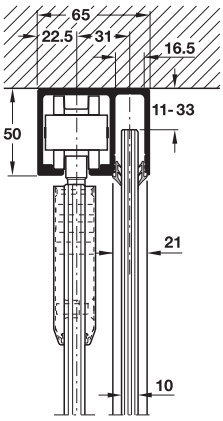
- For partitioning systems
- Suitable for toughened safty glass and laminated sheet glass
- No glass preparation required

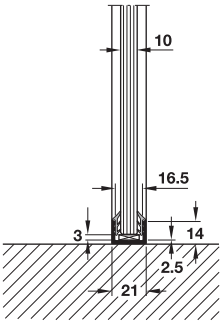
Technical data

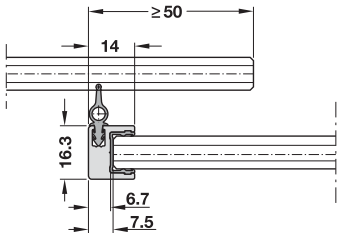
- Max. door weight per leaf: 120 kg
- For glass thickness:
  Tempered safety glass: 10 and 12 mm
  Laminated glass: 10–12 mm

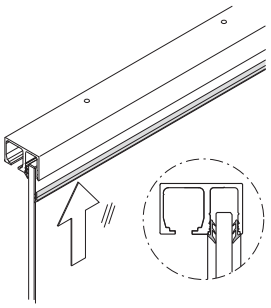
Finish

- Aluminium, coloured anodized

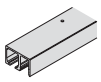
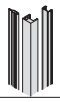






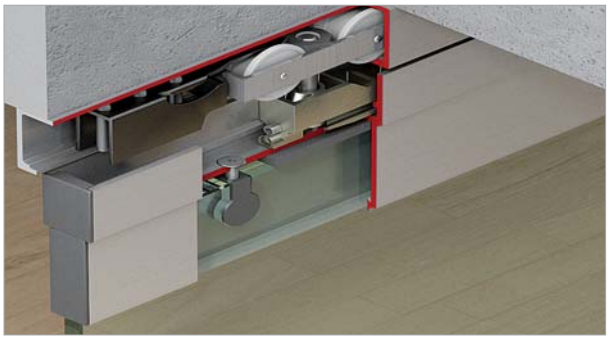


Insert rubber profile on both sides
(double order quantity)

Individual components		Length mm	Cat. No.
	Running track with fixed glass panels	2,000	941.20.206
		3,000	941.20.306
		4,000	941.20.406
		6,000	941.20.606
	Cover profile for running track	2,000	940.40.207
		3,000	940.40.307
	Floor/wall profile	4,000	940.41.540
		6,000	940.41.560
	Rubber profile	Roll 10 m	940.41.053
	Floor/wall glass fixing piece	50	940.41.054
	Vertical seal for Junior set 120 HAWA	2,500	941.20.257
		3,500	941.20.357

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 80/G HAWA





Features

- For 1- and 2-leaf sliding doors
- Suitable for tempered safety glass: 8–16 mm
- Height adjustable door leaves
- Suspension with clamp shoe
- Low wear and tear, quiet running action
- Soft and self closing mechanism (optional)

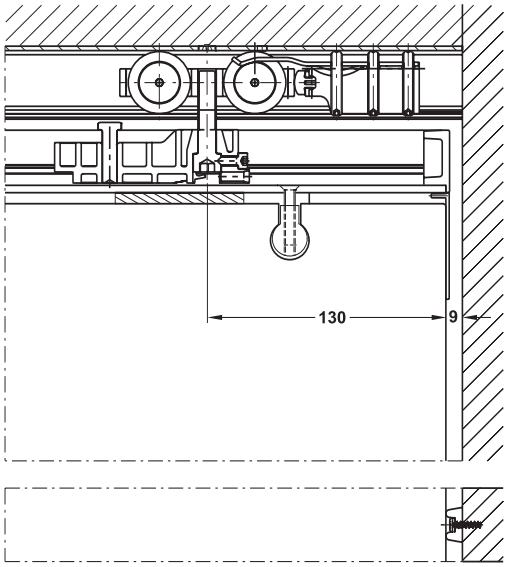
Technical data

- Max. door weight per leaf: 80 kg

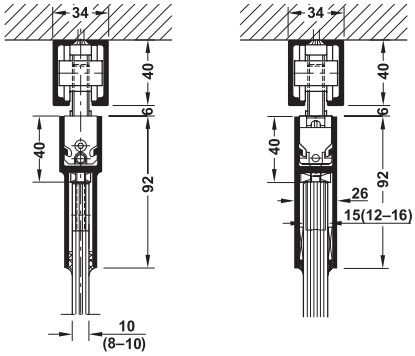
Material/Finish

- Aluminium silver coloured anodized

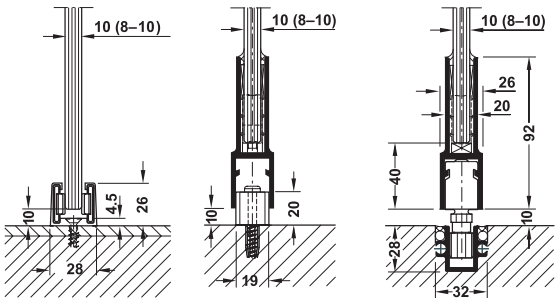
Section trolley hanger and guide



Ceiling installation



Floor guide

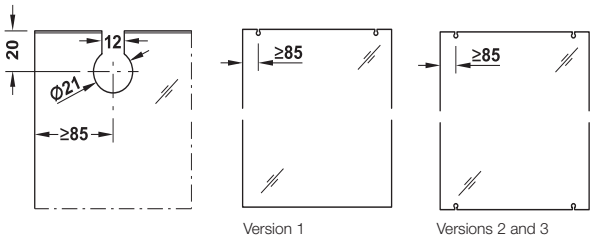


Version 1 Version 2 Version 3

Sliding door fitting set, (without running track and floor guide)		Cat. No.
	Without soft closing mechanism	940.84.007

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

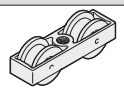
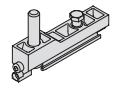
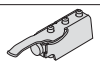
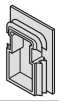
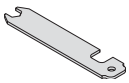
Cut-out dimensions



Version 1 Versions 2 and 3

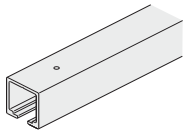
Note

Required glass cut-out dimensions must be observed.

Set consisting of		For 1 door	Cat. No.
	Running gear 2-wheel	2 pcs.	940.80.012
	Support profile with suspension carriage and suspension screw M10	2 pcs.	940.80.019
	Track buffer with adjustable retainer	2 pcs.	940.80.041
	Cover cap for support profile	2 pcs.	942.56.029
	Rubber wall buffer	1 pcs.	940.40.051
	Spanner for suspension carriage	1 pcs.	940.80.092

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.
Please order floor guide separately.

Track		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.80.200
				3,000	940.80.300
				4,000	940.80.400
				6,000	940.80.600

Order reference

Soft close device ..... page 5.80

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Symmetric 80/G HAWA



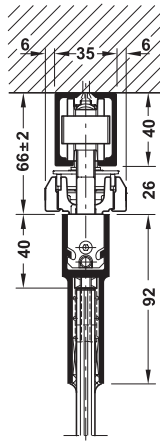
Features

- For 2-leaf sliding doors
- Symmetrical opening of 2 sliding doors
- Suitable for tempered safety glass 8-16 mm
- Door height adjustable
- Suspension glass clamp connection
- Low wear and tear
- Quiet running action

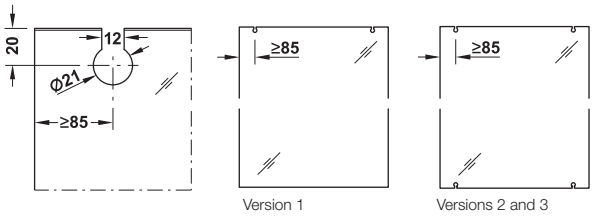
Technical data

- Max. door weight per leaf: 80 kg

Ceiling installation



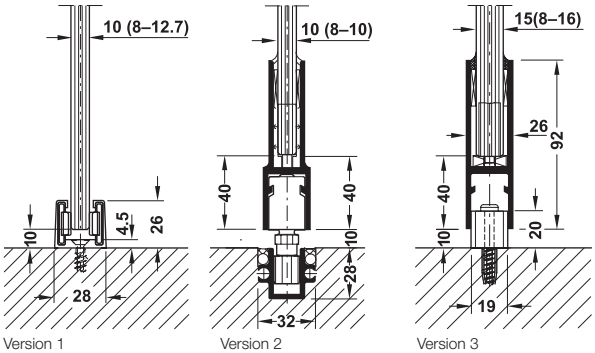
Cut-out dimensions



Note

Required glass cut-out dimensions must be observed.

Floor guide



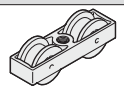
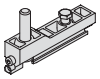
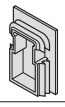
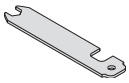
Note

Can be used for all floor guide versions. See Junior 80/G HAWA.
Please order separately.

Sliding door fitting set, without running track, without floor guide	Cat. No.
For 2-leaf sliding door	940.81.002

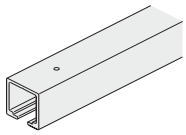
Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		For 2 doors	Cat. No.
	Running gear 2-wheel	4 pcs.	940.80.012
	Support profile with suspension carriage and suspension screw M10	4 pcs.	940.80.018
	Track buffer with adjustable retainer	1 pcs.	940.80.041
	Cover cap for support profile	4 pcs.	942.56.029
	Floor mounted door stop 57 x 28 x 39 mm (L x W x H)	2 pcs.	940.40.052
	Spanner for suspension carriage	1 pcs.	940.80.092
	Deflection roller	2 pcs.	940.80.075
	Clamping piece for toothed belt	2 pcs.	940.80.083
	Toothed belt 10 m for 2 sliding doors with width of max. 1,200 mm	1 pcs.	940.80.077

Order reference

Please order floor guide separately.

Track		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.80.200
				3,000	940.80.300
				4,000	940.80.400
				6,000	940.80.600

Order reference

Fixed glass panels ..... page 5.140

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Telescopic 80/G HAWA



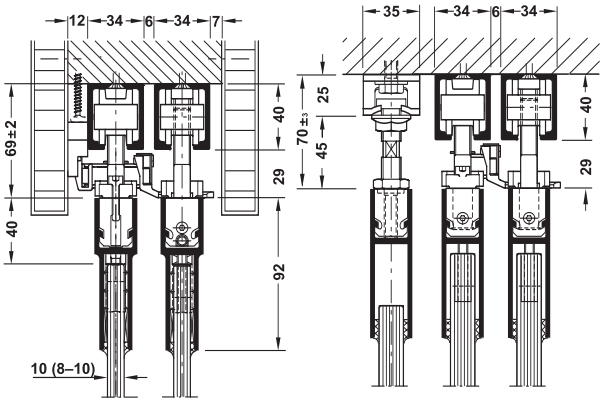
Features

- For telescopic opening of 2 sliding doors to the right and to the left
- Suitable for tempered safety glass
- Door height adjustable
- Suspension glass clamp connection
- Low wear and tear
- Quiet running action

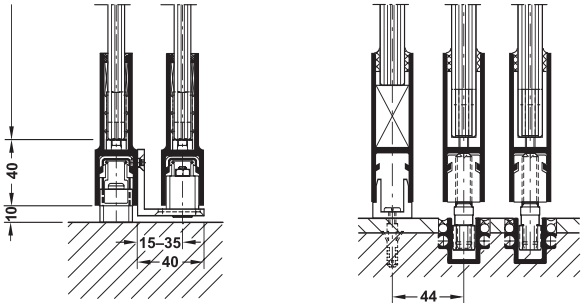
Technical data

- Max. door weight per leaf: 80 kg
- For glass thickness: 8-16 mm
- Door width: 500-1,000 mm.

Ceiling installation and wall mounting



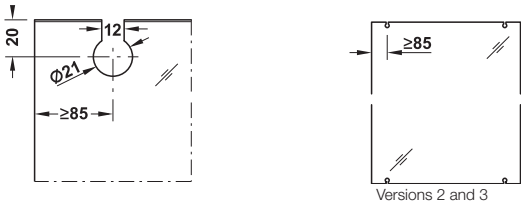
Floor guide



Telescopic without fixed panel

Telescopic with fixed panel

Cut-out dimensions

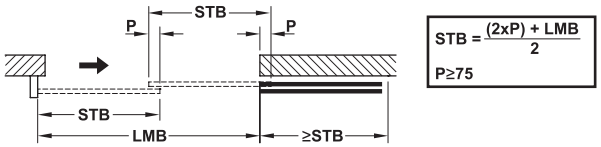


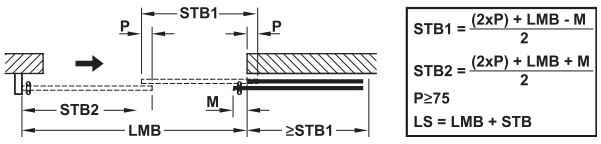
Versions 2 and 3

Note

Required glass cut-out dimensions must be observed.

Sliding door width calculation





STB = Sliding door width

P = Door overlap (min. 75 mm)

LMB = Internal width measurement

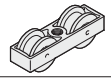
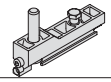
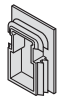
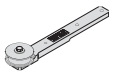
LS = Running track

M = Sliding door handle + safety clearance

Sliding door fitting set, without running track, without floor guide	Cat. No.
For 2-leaf sliding doors	940.80.010

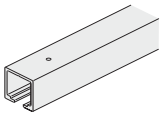
Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		For 2 doors	Cat. No.
	Running gear 2-wheel	4 pcs.	940.80.012
	Support profile with suspension carriage and suspension screw M10	4 pcs.	940.80.018
	Track buffer with adjustable retainer	2 pcs.	940.80.041
	Cover cap for support profile	4 pcs.	942.56.029
	Glass retainer for glass thicknesses 8, 10, 12, 12.7, 14, 16 mm	8 pcs.	940.84.024
	Deflection roller with long mounting plate	1 pc.	947.00.048
	Deflection roller with short mounting plate	1 pc.	947.00.049
	Wide follower	1 pc.	947.00.050
	Toothed belt, glass-fibre reinforced, length 2.7 m	1 pc.	947.00.054
	Wall mounting/ceiling installation for complete toothed belt	1 pc	947.00.053
	Carrier plate for wide follower	1 pc.	947.00.051
	Carrier carriage	3 pcs.	940.80.016
	Rubber wall buffer	1 pc.	940.40.051
	Guide (complete)	1 pc.	940.80.037
	Floor guide, for bottom support and glass fixing profile	1 pc.	940.84.032

Order reference

Please order floor guide separately.

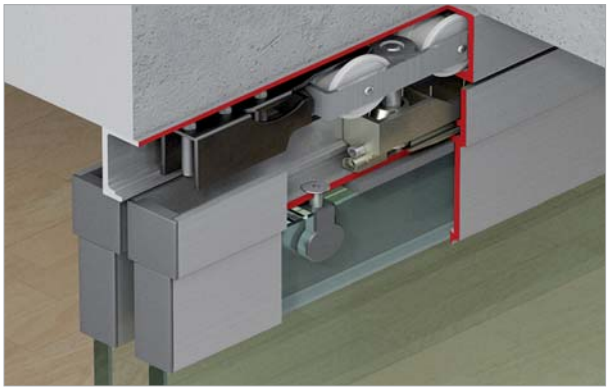
Track		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.80.200
				3,000	940.80.300
				4,000	940.80.400
				6,000	940.80.600

Order reference

Fixed glass panels ..... page 5.140

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fixed glass panels for Junior 80/G HAWA





Features

- Partition system
- Suitable for tempered safety glass laminated glass

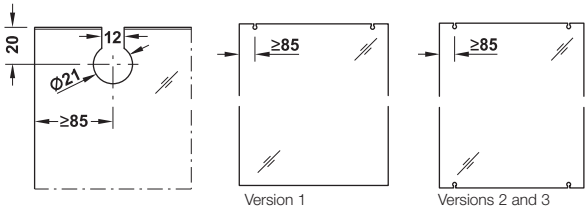
Technical data

- Max. door weight per leaf: 80 kg
- For glass thickness: 8-16 mm

Note

Fixed glass panels can be used in combination with all floor guide versions. See Junior 80/G

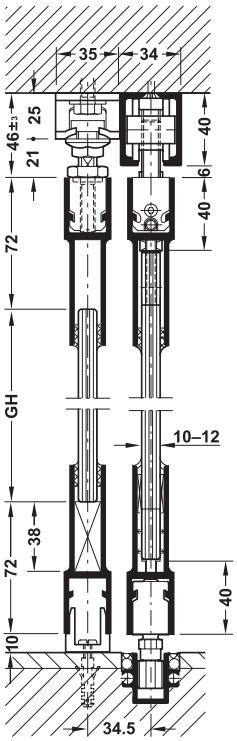
Cut-out dimensions



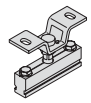
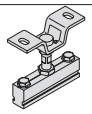
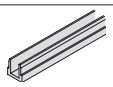
Note

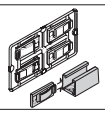
Required glass cut-out dimensions must be observed.

Ceiling installation



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		Length mm	Cat. No.
	Fixing plate, 2 pcs. required for each support and glass fixing profile	–	940.81.024
	Fixing plate for Telescopic 80/G, 2 pcs. required for each support and glass fixing profile	–	940.81.025
	Bottom support profile for fixed glass panels	6,000	946.36.960

Individual components		Length mm	Cat. No.
	Cover cap for running track	–	940.80.060
	Support and glass fixing profile, glass thickness 8–10 mm	3.250	942.44.031
		6,500	942.56.765
	Cover for glass fixing profile	–	942.44.060
	Support and glass fixing profile, glass thickness 12–16 mm	3.250	942.56.832
		6,500	942.56.865
	Cover for glass fixing profile, glass thicknesses 12–16 mm	–	942.44.061
	Glass retainer for glass thicknesses 8, 10, 12, 12.7, 14, 16 mm (4 ps. required for each support and glass fixing profile)	–	940.84.024
	Floor guide, for glass thicknesses 8, 10, 12 (12.7) mm (Version 1)	–	940.40.032
	Floor guide, for bottom support and glass fixing profile (Version 2)	–	940.84.032
	Guide track 31 x 28 mm, pre-drilled (Version 3)	2,000	946.03.200
		4,000	946.03.400
		6,000	946.03.600
	Guide piece with zero clearance, 14 mm, with carriage (Version 3)	–	946.12.060
	Connecting pin for guide track (order 2 pcs. for each guide track connection)	–	946.12.090

Order reference

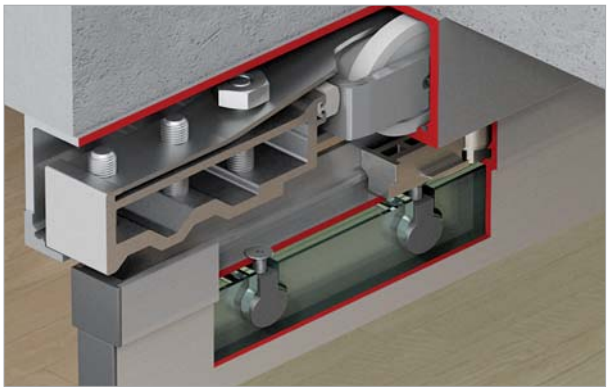
Order only 1 support and glass fixing profile for floor guide version 1.

Order reference

Junior 80/G .....page 5.134

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Junior 250/G HAWA





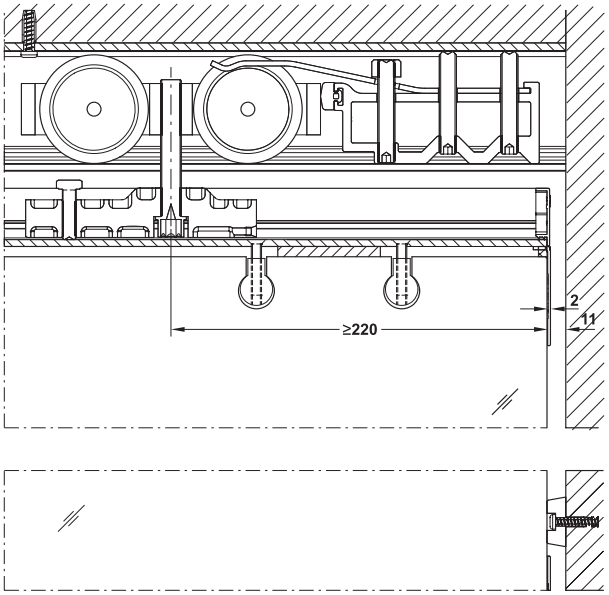
Features

- For 1- and 2-leaf sliding doors
- Suitable for tempered safety glass
- Height adjustable door leaves +/– 15 mm
- Suspension with clamp installation
- Low wear and tear
- Quiet running action

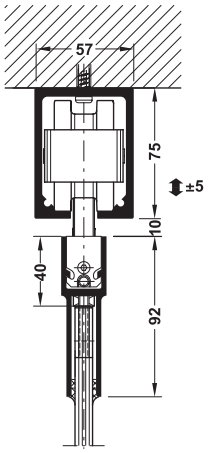
Technical data

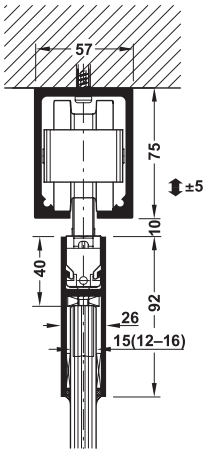
- Max. door weight per leaf: 250 kg
- For glass thickness: 8-16 mm

Section trolley hanger and guide

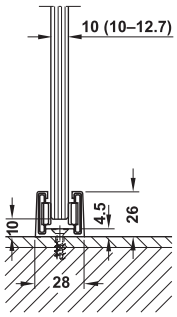


Ceiling installation and wall mounting

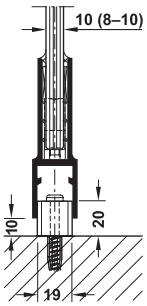




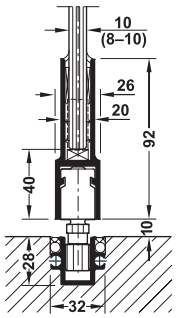
Floor guide



Version 1



Version 2

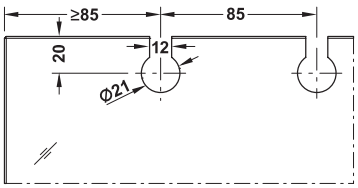


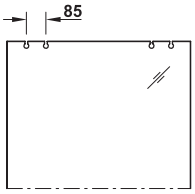
Version 3

Sliding door fitting set, without running track, without floor guide	Cat. No.
Without soft closing mechanism	942.56.003

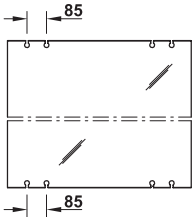
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Cut-out dimensions





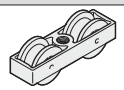
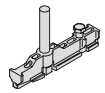
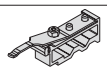
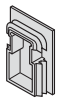
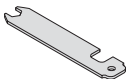
Version 1



Versions 2 and 3

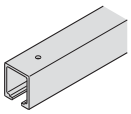
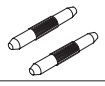
Note

Required glass cut-out dimensions must be observed.

Set consisting of		For 1 door	Cat. No.
	Running gear 2-wheel	2 pcs.	942.56.012
	Support profile with suspension carriage and suspension screw M10	2 pcs.	942.56.023
	Track buffer with adjustable retainer	2 pcs.	942.56.041
	Cover cap for support profile	2 pcs.	942.56.029
	Rubber wall buffer	1 pc.	941.60.051
	Spanner for suspension carriage	1 pc.	940.40.092

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors. Please order floor guide separately.

		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	942.56.920
				3,000	942.56.930
				4,000	942.56.940
				6,000	942.56.960
	Connecting pin set for running track (comprises 2 pcs.)	–	–	–	942.56.090

Order reference

Fixed glass panels ..... page 5.140

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Junior side-fix angle profile HAWA



Angle bracket for timber sliding door applications

Features

- Elegant design with concealed mounting
- Continuous profile for simple leveling
- Easy and fast to install
- No drilling of running track and angle profile
- No additional support structure required
- Can be used for timber or glass sliding doors

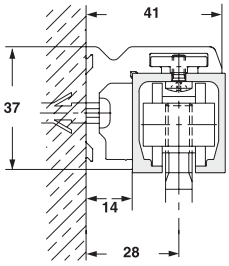
Technical data

- Max. door weight per leaf: 40 or 80 kg

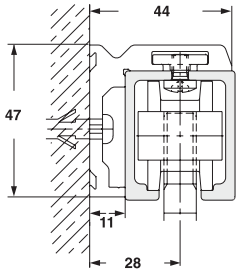
Material/Finish

- Angle profile: Aluminium clear anodized
- Cover caps: Plastic grey

Junior 40

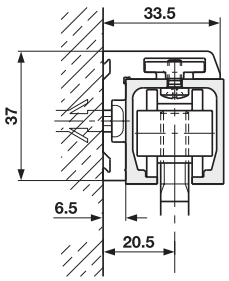


Junior 80

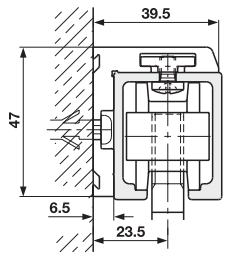


Angle bracket for glass sliding door applications

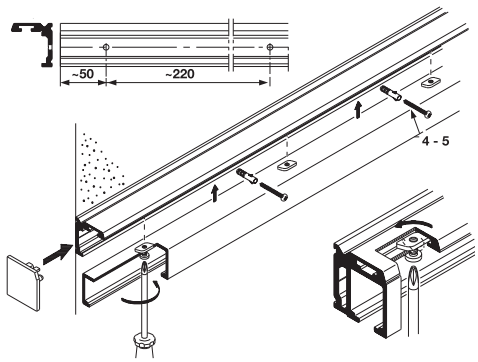
Junior 40

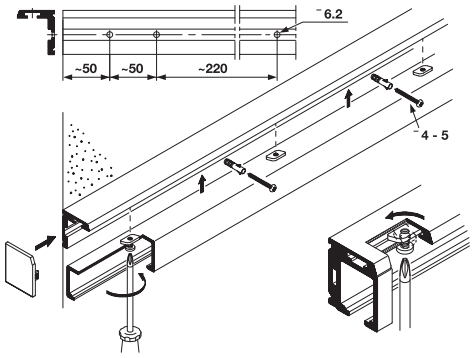


Junior 80

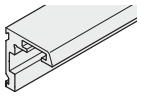
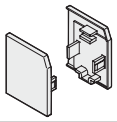


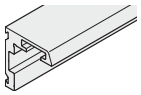
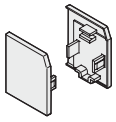
Easy and fast installation of angle profile and running track





We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

For wall mounted sliding door applications with Junior 40 running tracks		Length mm	Cat. No.
	Angle profile, for glass sliding doors, pre-drilled	2,000	940.40.201
		4,000	940.40.401
		6,000	940.40.601
	Angle profile, for timber sliding doors, pre-drilled	2,000	940.40.203
		4,000	940.40.403
		6,000	940.40.603
	Fastening bolts and nuts, set of 10 pcs. (sufficient for 2,000 mm track length)	1 set	940.40.099
	Cover caps, for angle profile and running track for glass sliding doors	1 pair	940.40.061
	Cover caps, for angle profile and running track for timber sliding doors	1 pair	940.40.063

For wall mounted sliding door applications with Junior 80 running tracks		Length mm	Cat. No.
	Angle profile, for glass sliding doors, pre-drilled	2,500	940.80.251
		4,000	940.80.401
		6,000	940.80.601
	Angle profile, for timber sliding doors, pre-drilled	2,500	940.80.203
		4,000	940.80.403
		6,000	940.80.603
	Fastening bolts and nuts, set of 10 pcs. (sufficient for 2,000 mm track length)	1 set	940.80.099
	Cover caps, for angle profile and running track for glass sliding doors	1 pair	940.80.061
	Cover caps, for angle profile and running track for timber sliding doors	1 pair	940.80.063

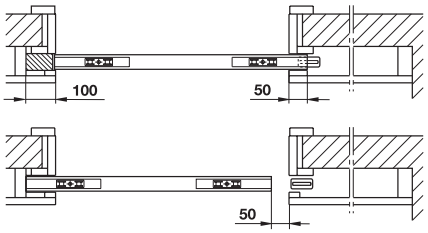
Order reference

Please order running tracks and fitting sets separately.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

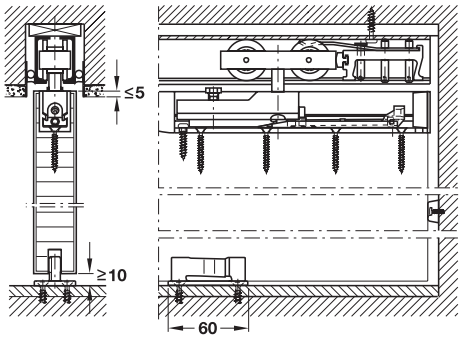
Assembly wedge





Features

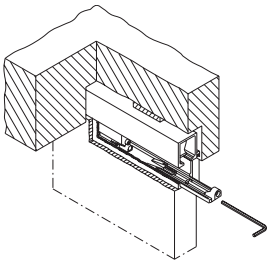
- Suitable for Junior 80/B and 120/B and Silent 150/B
- For end fixing of sliding doors running in the ceiling
- Allows installation and removal of the sliding doors without disassembly of the door lining and cover



Fixing

Consider for the constructions:

- If a pelmet is fitted, this must either be removable or a 100 mm wide removable lock strip must be fitted on the lock side.
- The sliding door must run max. 5 mm in the ceiling or in the top of the door lining

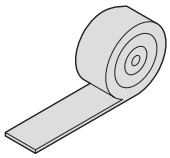


- When closed, the sliding door must not protrude more than 50 mm into the cavity

	Cat. No.
Assembly wedge, 2 pcs.	940.80.050

5

Double-sided adhesive tape

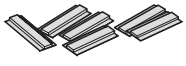


Features

- For glass edge protection profile

Length	Cat. No.
Roll at 50 m each	943.19.000

Self-adhesive glide elements





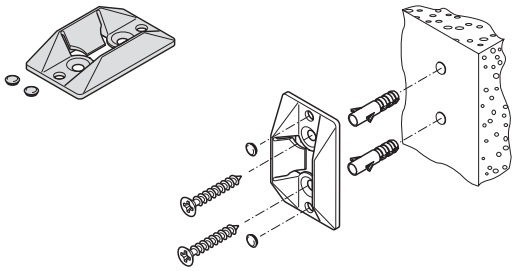
Features

- Set of 6 pcs.

For glass thickness mm	Cat. No.
8	940.40.033
10	940.40.034

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Centering door stop



Features

- For doors without lock
- With rubber buffer
- Mounting on the wall

Material/Finish

- Plastic grey

Dimension mm	Cat. No.
60 x 33 x 14	941.24.042

Sealing profile



Features

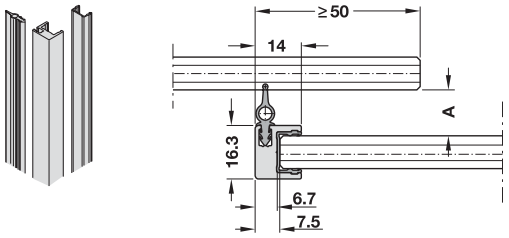
- For glass thickness: 8–10 mm
- For glass distance: 4 mm
- Self adhesive

Material

- Rubber

Length	Colour	Cat. No.
Roll at 5 m each	Black	404.95.321
Roll at 10 m each		404.95.322
Roll at 5 m each	Transparent	943.31.205
Roll at 10 m each		943.31.210

Vertical sealing profile



Features

- For all-glass sliding doors with fixed glass panels
- For glass thickness: 8–12.7 mm

Material

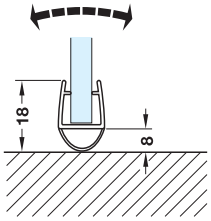
- Aluminium

Dim. A mm	Colour	Length mm	Cat. No.
13–17.5	Silver coloured anodized	2,500	940.41.825
		3,500	940.41.835
18–19.5		2,500	941.19.725
		3,500	941.19.735
20–21.0		2,500	941.20.257
		3,500	941.20.357
13–17.5	Stainless steel coloured	2,500	940.41.826
		3,500	940.41.836
18–19.5		2,500	941.19.726
		3,500	941.19.736

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass door seals





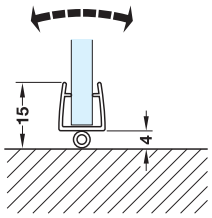
Features

- Soft PVC, transparent
- Protection against cold, draught and moisture

For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.17.600
10–12	2,400	950.17.814

Packing: 1 pc.





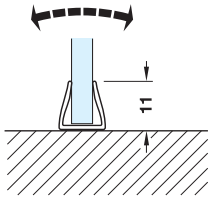
Features

- Soft PVC, transparent
- Protection against cold, draught and moisture

For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.17.630
10–12	2,400	950.17.631

Packing: 1 pc.





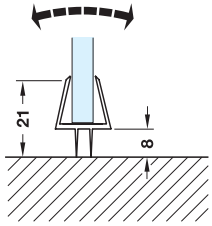
Features

- Soft PVC, transparent
- Protection against cold, draught and moisture

For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.17.620
10–12	2,400	950.17.621

Packing: 1 pc.





Features

- Soft PVC, transparent
- Protection against cold, draught and moisture

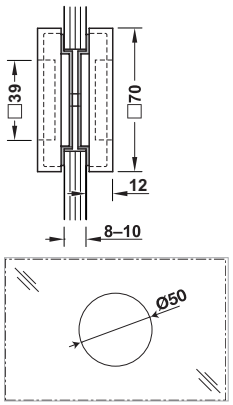
For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.17.640
10–12	2,400	950.17.641

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Flush pull handle

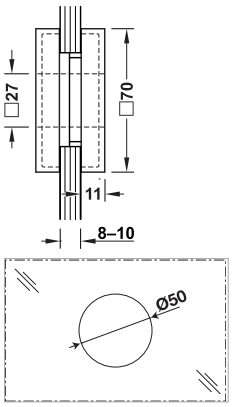




Features
- For glass thickness 8–10 mm, drill whole Ø50 mm
- For clamp fixing

Material/Finish	Cat. No.
Aluminium stainless steel coloured anodized	981.49.340

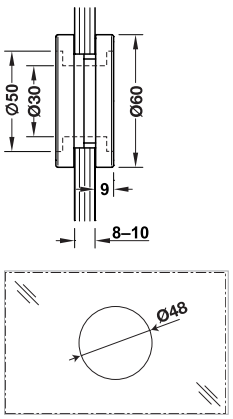




Features
- For glass thickness 8–10 mm, drill whole Ø50 mm
- For clamp fixing

Material/Finish	Cat. No.
Aluminium stainless steel coloured anodized	981.49.330

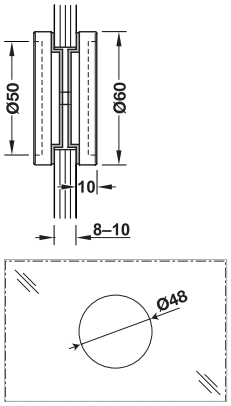




Features
- For glass thickness 8–10 mm, drill whole Ø48 mm
- For clamp fixing

Material/Finish	Cat. No.
Stainless steel (304) matt	981.52.520
Stainless steel Polished	981.52.521



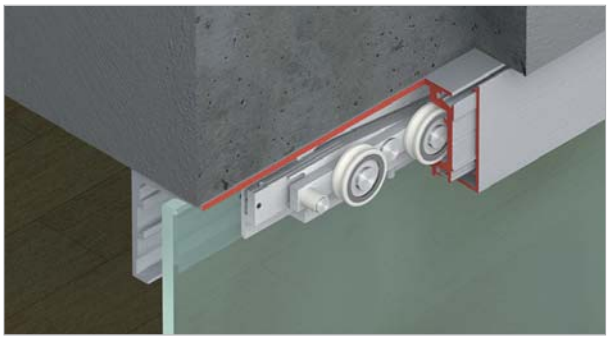


Features
- For glass thickness 8–10 mm, drill whole Ø48 mm
- For clamp fixing

Material/Finish	Cat. No.
Stainless steel (304) matt	981.52.530
Stainless steel Polished	981.52.531

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Sliding door fitting Purolino 80 HAWA





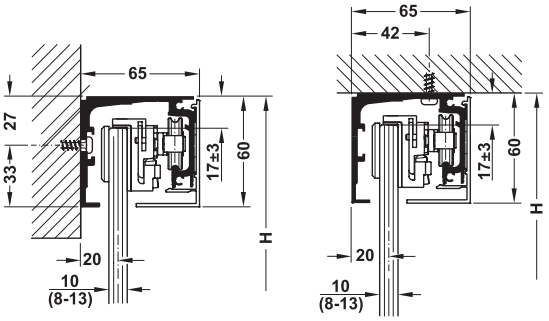
Features

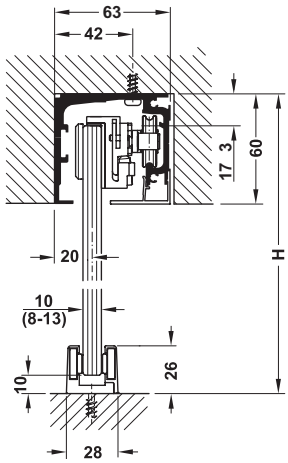
- For 1- and 2-leaf sliding doors
- Suitable for toughened safety glass and laminated sheet glass
- Glass retention and wedge suspension technology integrated in the top track

Technical data

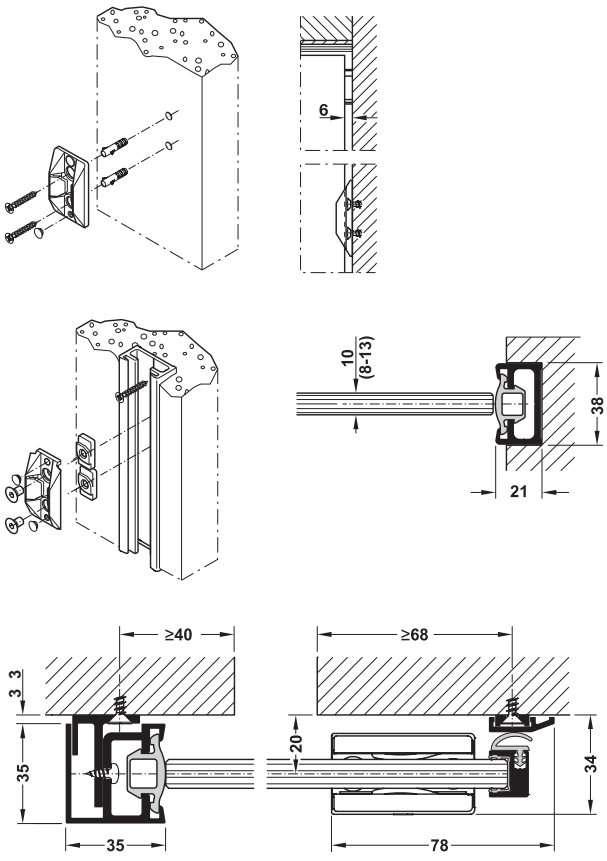
- Max. door weight per leaf: 80 kg
- For glass thickness: 8, 10, 12, and 12.7 mm

Ceiling installation and wall mounting





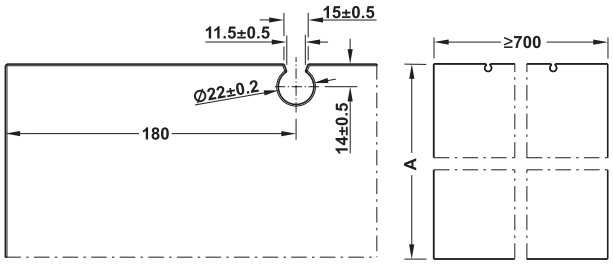
Wall connection



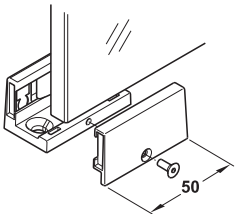
Sliding door fitting set, without running track, without floor guide	Cat. No.
Without soft closing mechanism	940.83.000

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

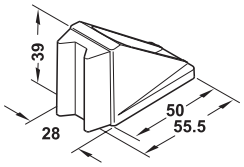
Cut-out dimensions



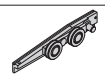
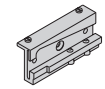
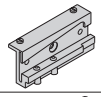
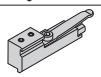
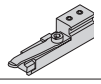
Floor guide

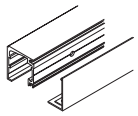
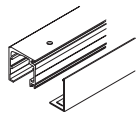
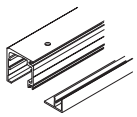


Floor guide



Floor mounted door stop

Set consisting of		For 1 door	Cat. No.
	Left running gear, 2 rollers	1 pc.	940.83.012
	Right running gear, 2 rollers	1 pc.	940.83.013
	Suspension wedge for glass fixing, left	1 pc.	940.83.022
	Suspension wedge for glass fixing, right	1 pc.	940.83.023
	Track buffer, with adjustable retaining spring, left	1 pc.	940.83.040
	Track buffer, with adjustable retaining spring, right	1 pc.	940.83.041

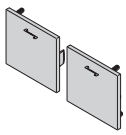
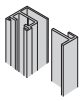
Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track set, wall mounted	Aluminium	Silver coloured anodized	2,000	940.83.320
				3,000	940.83.330
				6,000	940.83.360
			Stainless steel coloured	2,000	940.83.321
				3,000	940.83.331
				6,000	940.83.361
	Running track set, ceiling mounted	Aluminium	Silver coloured anodized	2,000	940.83.420
				3,000	940.83.430
				6,000	940.83.460
			Stainless steel coloured	2,000	940.83.421
				3,000	940.83.431
				6,000	940.83.461
	Running track set, integrated ceiling installation	Aluminium	Silver coloured anodized	2,000	940.83.520
				3,000	940.83.530
				6,000	940.83.560
			Stainless steel coloured	2,000	940.83.521
				3,000	940.83.531
				6,000	940.83.561

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Sliding door fitting Purolino 80 HAWA

		Material	Finish	For glass thickness mm	Length mm	Cat. No.
	Glass fixing partsfor one sliding door, tempered safety glass	Aluminium	–	8	–	940.83.024
				10		940.83.025
				12 (12.7)		940.83.026
	Glass fixing parts for one sliding door, laminated glass, with disposable drilling jig	–	–	8	–	940.83.027
				10		940.83.028
				12 (13)		940.83.029
	Floor guide	Aluminium	Chrome plated matt	8–13	–	941.18.032
			Stainless steel coloured			941.18.033
	Floor mounted door stop, 57 x 28 x 39 mm (L x W x H) 57 x 28 x 39 mm	Aluminium	Chrome plated matt	8–16	57	940.40.052
			Stainless steel coloured			940.40.053
	Cover caps with threaded pin, 1 pc. 65 x 60 mm (W x H)	Metal	Chrome plated matt	–	–	940.83.020
			Stainless steel coloured			940.83.021
	Cover caps, 1 set, 65 x 60 mm (W x H)	Plastic	Anthracite	All set components suit tempered safety glass 8 mm	–	940.83.030
	End profile set, wall-hung	Aluminium	Silver coloured anodized	–	2,500	940.83.125
			Stainless steel coloured			940.83.126
			Silver coloured anodized		3,500	940.83.135
			Stainless steel coloured			940.83.136
	Rubber seal for end profile set	Plastic	–	–	2,500	940.83.127
					3,500	940.83.137
	Wall profile set, wall-hung, with support profile	Aluminium	Silver coloured anodized	–	2,500	940.83.225
			Stainless steel coloured			940.83.226
			Silver coloured anodized		3,500	940.83.235
			Stainless steel coloured			940.83.236

5

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

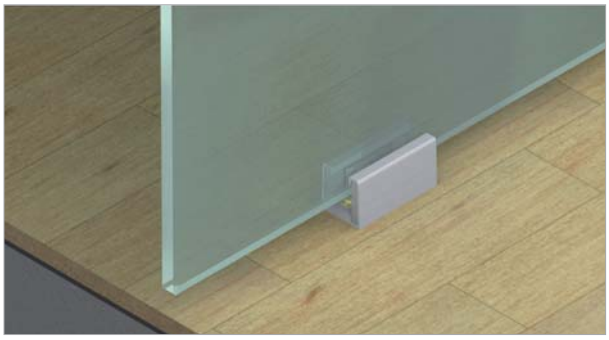
		Material	Finish	For glass thickness mm	Length mm	Cat. No.
	Wall profile, 38 x 21 mm (W x H)	Aluminium	Silver coloured anodized	Tempered safety glass 8, 10, 12 mm (12.7), laminated glass 8.7–12.7 mm	2,500	941.24.925
			Stainless steel coloured			941.24.825
			Silver coloured anodized		3,500	941.24.935
			Stainless steel coloured			941.24.835
	Rubber buffer for wall profile, 28 x 21 mm (W x H)	Plastic	Black	Tempered safety glass 8, 10, 12 mm (12.7), laminated glass 8.7–12.7 mm	Roll 2.5 m each	941.24.081
					Roll 3.5 m each	941.24.082
	Centring unit for wall profile	Plastic	Black	–	–	941.24.043
	Centring door stop, for glass doors	Plastic	Grey	–	–	941.24.042

5

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Media 70/GB HAWA







Features

- For 1- and 2-leaf sliding doors
- Suitable for curved toughened glass
- Suspension with suspension bolt
- Extremely light and quiet curved running action
- Low wear and tear

Technical data

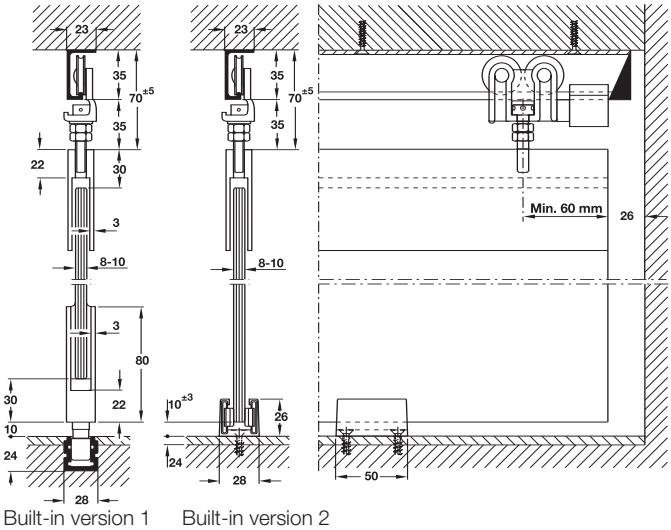
- Max. door weight per leaf: 70 kg
- For glass thickness: 8 and 10 mm

Material/Finish

- Running gear with nylon tyred steel wheels
- Suspension and glass retention profile aluminum
- Floor guide free of play plastic

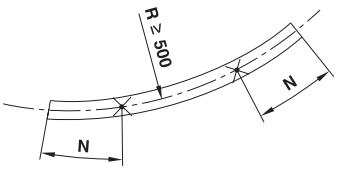
Safety information

- In case of 2-leaf sliding doors edge protection needs to be applied, that glass leaves aren't knock against their edges please see page 5.147

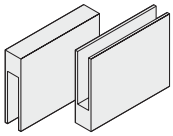
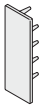
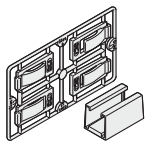


Built-in version 1 Built-in version 2

In order to guarantee optimum sliding action of curved sliding doors, the mounting points of the suspension plates must be positioned in this way that the sliding door is kept within their axis of gravity (dimension N).

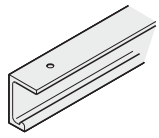


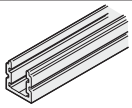
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Individual components		Length mm	For 1-leaf	Cat. No.
	Running gear 2-wheel	–	2 pcs.	942.17.012
	Suspension screw M8	–	2 pcs.	942.17.023
	Suspension and glass retention profile	1,000	–	942.71.100
		6,000		942.71.600
	Cover cap, plastic grey	–	–	942.44.021
	Cover cap, plastic black			940.88.020
	Track bufferfor 1-leaf sliding doors	–	2 pcs.	942.14.041
	Floor guide, free of play	–	1 pc.	940.40.032

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

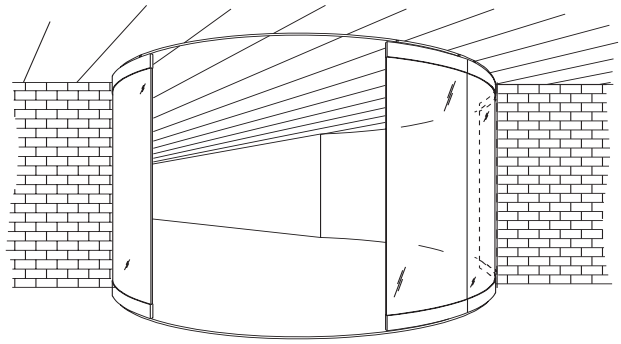
Running track	Material	Finish	Length mm	Cat. No.
	Aluminium	Clear anodized	2,500	942.17.250
			3,500	942.17.350
			6,000	942.17.600

Alternative guide with guide track, selecting for 2-leaf sliding doors		Material	Finish	Length mm	Cat. No.
	Guide element, free of play, 13 mm	Plastic	–	–	942.07.030
	Guide track, 24 x 24 mm	Aluminium	Clear anodized	2,500	940.81.250
				3,500	940.81.350
				6,000	940.81.600
	Buffers for guide track 24 x 24 mm	Steel	Galvanized	–	940.80.051

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Rondo 150/GB HAWA





Features

- For 1- and 2-leaf sliding doors
- For curved single-pane toughened glass
- Suspension with suspension plate, supporting and glass holding profile
- Optional guide track with guide piece or floor guide free from play
- Perfect curve
- High strain
- Low wear and tear

Technical data

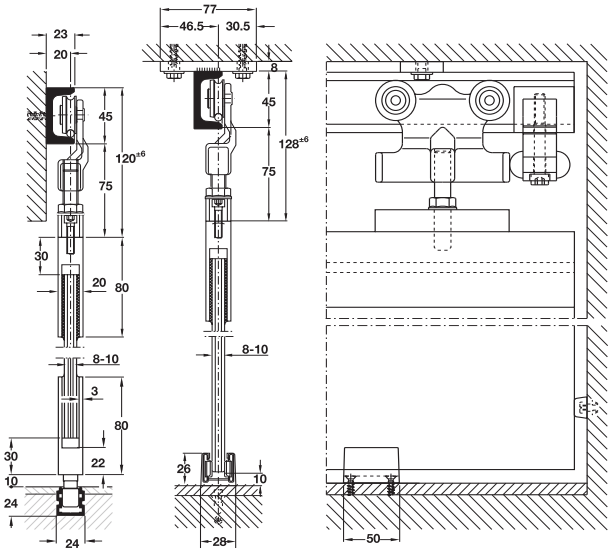
- Max. weight per door leaf 150 kg
- For glass thickness 8 and 10 mm

Material/Finish

- Running gear with steel rollers
- Suspension profile steel galvanized
- Floor guide free of play plastic

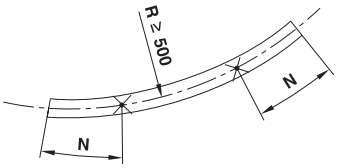
Safety information

- In case of 2-leaf sliding doors edge protection needs to be applied, that glass leaves aren't knock against their edges please see page 5.147



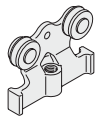
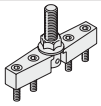
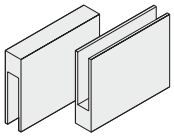
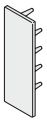
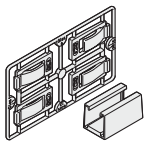
Built-in version 1 Built-in version 2

In order to guarantee optimum sliding action of curved sliding doors, the mounting points of the suspension plates must be positioned in this way that the sliding door is kept within their axis of gravity (dimension N).



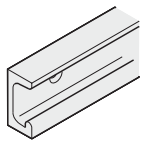
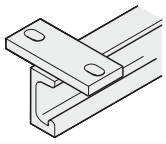
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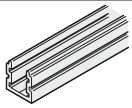
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Individual components		Length mm	Cat. No.
	Running gear 2-wheel	–	942.44.012
	Top fixing plate, with hanger bolt M12 and fixing screws	–	941.50.022
	Suspension and glass retention profile	1,000	942.71.100
		6,000	942.71.600
	Cover cap, plastic grey	–	942.44.021
	Cover cap, plastic black		940.88.020
	Track buffer	–	942.42.041
	Floor guide, free of play	–	940.40.032

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Running track		Material	Length mm	Cat. No.
	For wall installation	Stainless steel (304)	3,000	942.42.301
			6,000	942.42.601
	For ceiling installation with mounting brackets	Stainless steel (304)	3,000	942.43.301
			6,000	942.43.601

Alternative guide with guide track, selecting for 2-leaf sliding doors		Material	Finish	Length mm	Cat. No.
	Guide element, free of play, 13 mm	Plastic	–	–	942.07.030
	Guide track, 24 x 24 mm	Aluminium	Clear anodized	2,500	940.81.250
				3,500	940.81.350
				6,000	940.81.600
	Buffers for guide track 24 x 24 mm	Steel	Galvanized	–	940.80.051

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Super 250/G HAWA



Features

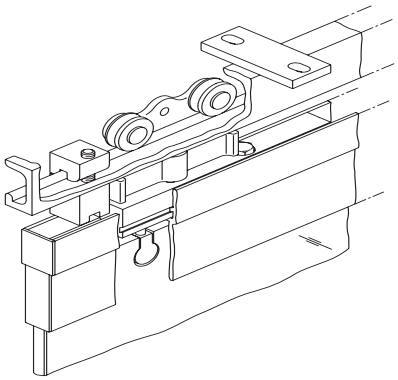
- For heavy glass sliding doors
- High quality hard wearing system with precision manufactured components
- Running gear with steel wheels
- Smooth and quiet operation

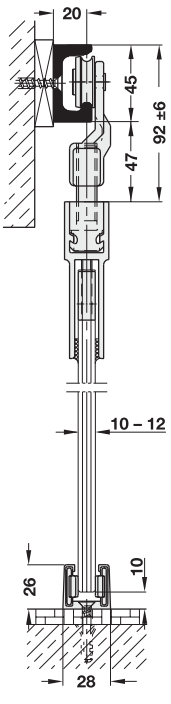
Technical data

- Max. door weight per leaf: 250 kg
- For glass thickness: 10–18 mm

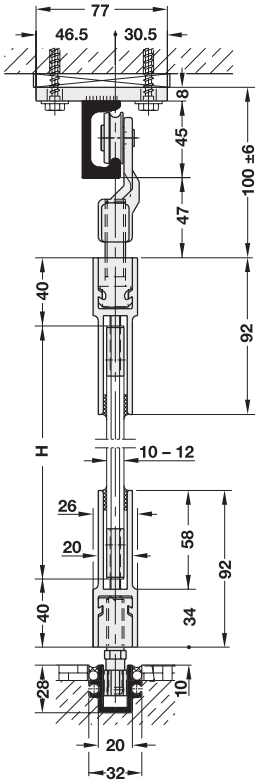
Material/Finish

- Glass suspension retainer profile aluminium nature
- Bottom guide channel aluminium clear anodized
- Running gear with steel wheels

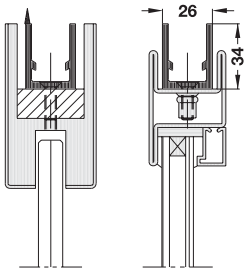




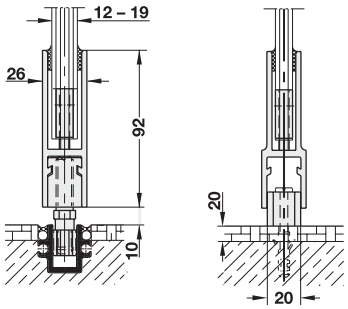
Floor guide play free



Guide channel

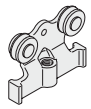
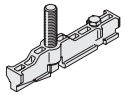


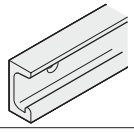
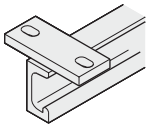
Multi purpose suspension profile for use with custom glass rails or frames.

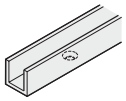


Internal floor guide

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Individual components, please order separately.		For 1-leaf	Cat. No.
	Running gear, M12 with steel wheels	2 pcs.	942.44.012
	Suspension plate, with hanger bolt M12	2 pcs.	942.44.020
	Track buffer to be drilled into the track	2 pcs.	942.42.041
	Cover capfor suspension retainer profile,rubber grey	2 pcs.	940.80.029
	Cover cap, plastic grey, for suspension retainer profile (up to 12 mm glass)	2 pcs.	942.44.021
	Rubber wall buffer	1 pc.	941.60.051
	Glass retainer	4 pcs.	940.84.024

Running track		Material	Length mm	Cat. No.
	For side mounting	Stainless steel (304)	3,000	942.42.301
			6,000	942.42.601
	For ceiling mounting with mounting brackets	Stainless steel (304)	3,000	942.43.301
			6,000	942.43.601

Bottom guide channels		Length mm	Cat. No.
	Bottom guide channel, predrilled, 20 x 3 mm	2,000	941.00.920
		3,000	941.00.930
		4,000	941.00.940
		6,000	941.00.960
	Bottom guide channel, predrilled	2,000	946.03.200
		4,000	946.03.400
		6,000	946.03.600
	Grooved dowel pin, for connecting lengths of bottom guide channel 946.03.200/400/600	–	946.12.090

Order reference

Please order glass suspension retainer profiles and locks separately. Catalogue numbers refer to 1 piece.

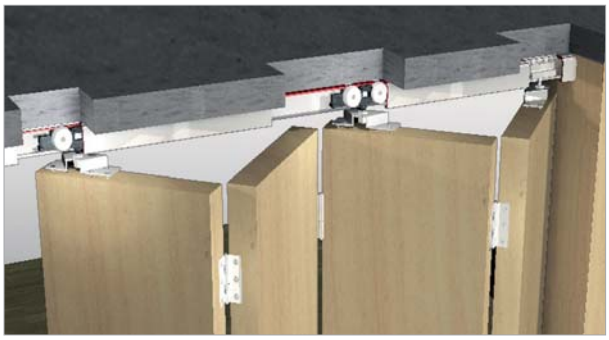
When ordering individual components, please specify the required quantity.

Order reference

Fixed glass panels ..... page 5.140

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Folding door fitting Fold 30-L







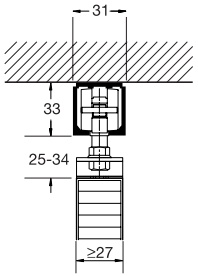
Features

- For 3- to 6-leafs folding door installation
- Min. door thickness: 27 mm
- Suitable for light weight doors
- For odd or even number of leafs
- Height adjustable

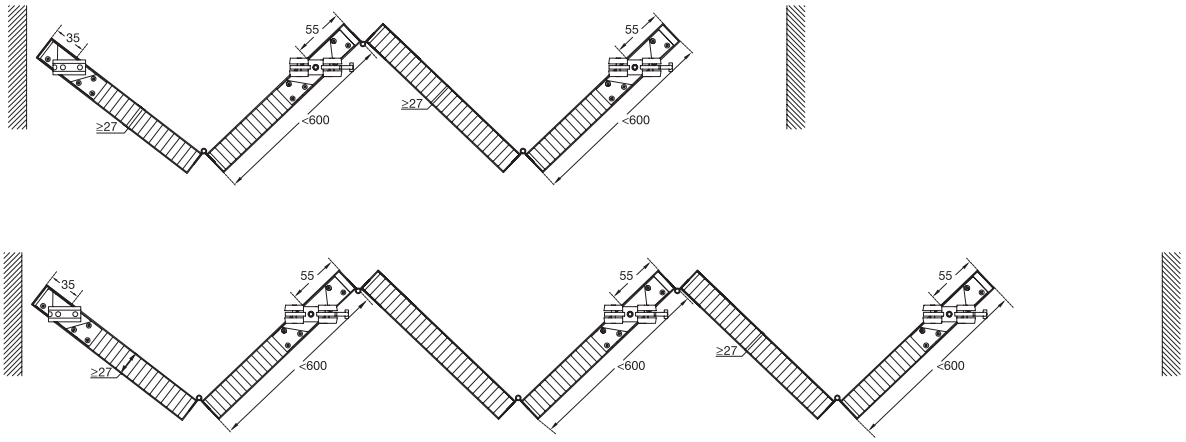
Technical data

- Max. door weight per leaf: 30 kg

Ceiling installation



Top view installation

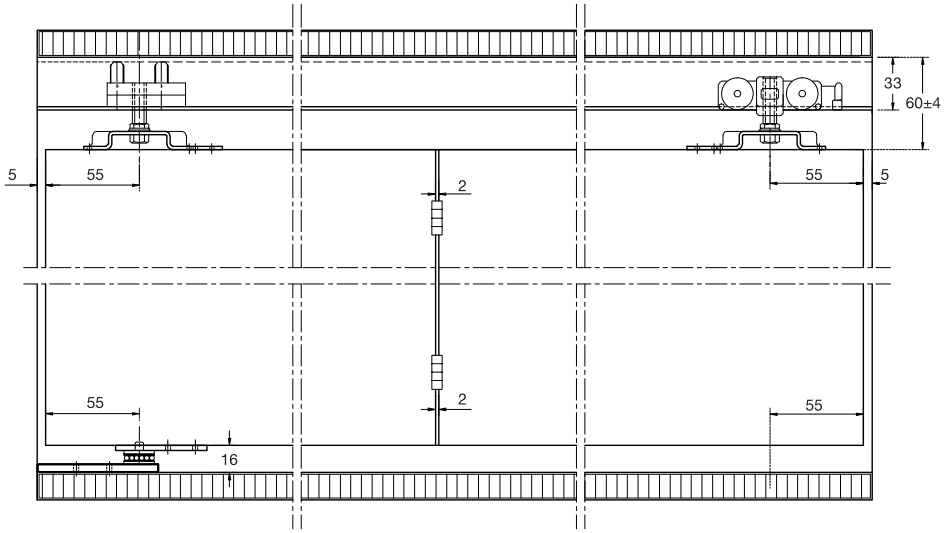


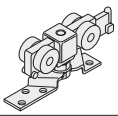
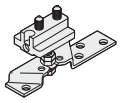
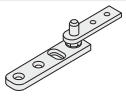
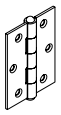
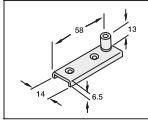
Folding door fitting set	Cat. No.
For 3-leaf door, without soft closing mechanism	943.10.013
For 4-leaf door, without soft closing mechanism	943.10.014
For 6-leaf door, without soft closing mechanism	943.10.016

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

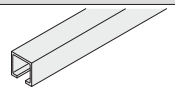
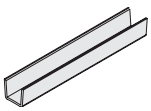
Section trolley hanger and guide



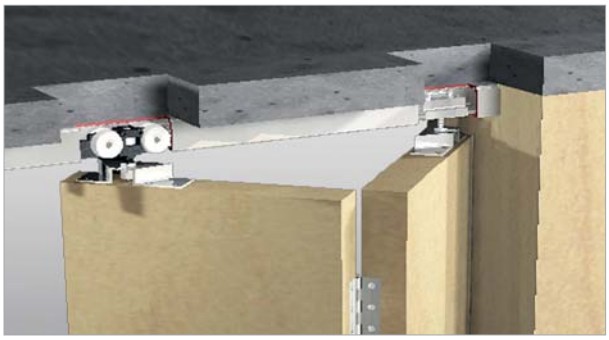
Set consisting of		Material	Finish	For 3-leaf	For 4-leaf	For 6-leaf	Cat. No.
	Running gear with 4 plastic wheels	Steel	Galvanized	1 pc.	2 pcs.	3 pcs.	941.02.021
	Top pivot	Steel	Galvanized	1 pc.	1 pc.	1 pc.	941.04.021
	Bottom pivot	Steel	Galvanized	1 pc.	1 pc.	1 pc.	407.58.011
	Hinge screw-on	Stainless steel (304)	Matt	6 pcs.	9 pcs.	15 pcs.	926.22.903
	Floor guide roller, Ø10 mm	Steel	Galvanized	1 pc.	2 pcs.	3 pcs.	940.42.032

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Track and accessories		Material	Finish	Length mm	Cat.No.
	Single running track, 31 x 33 mm (W x H)	Aluminium	Clear anodized	2,000	940.43.922
				3,000	940.43.932
				4,000	940.43.942
				6,000	940.43.962
	Bottom guide channel	Aluminium	Clear anodized	2,000	940.42.201
				3,000	940.42.301
				4,000	940.42.401
				6,000	940.42.601

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).







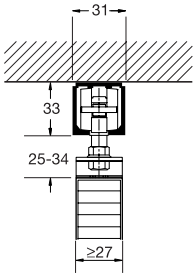
Features

- Min. door thickness: 27 mm
- Max. door width: 600 mm per door leaf
- For wall units and dividing panels
- Simple installation without routering or grooving
- Maximum running performance
- Height adjustable

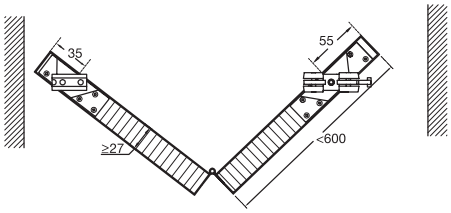
Technical data

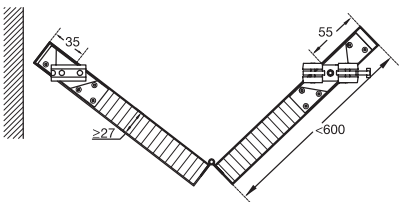
- Max. door weight per leaf: 50 kg

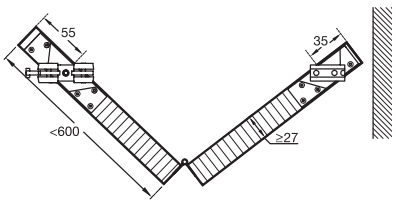
Ceiling installation



Top view installation





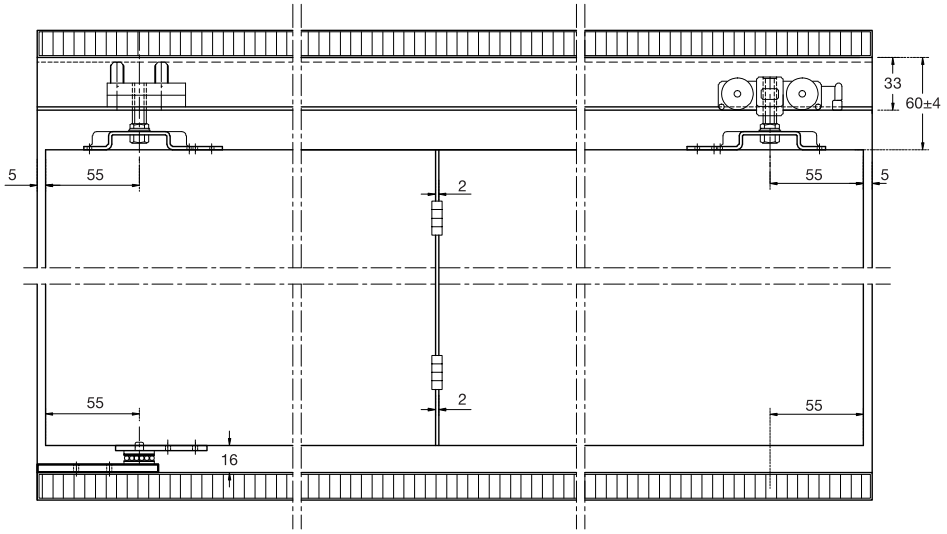


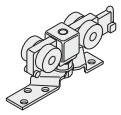
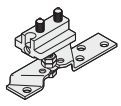
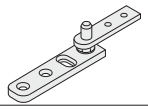
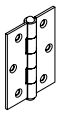
Folding door fitting set	Cat. No.
For 2-leaf door, without soft closing mechanism	943.10.032

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

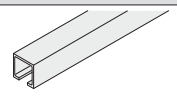
Section trolley hanger and guide



Set consisting of		Material	Finish	For 1-leaf	Cat. No.
	Running gear with 4 plastic wheels	Steel	Galvanized	1 pc.	941.02.021
		Steel	Galvanized	1 pc.	941.04.021
		Steel	Galvanized	1 pc.	407.58.011
		Stainless steel (304)	Matt	1 pc.	926.22.903

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts. Please order 2 sets for 2-leaf sliding doors.

Track and accessories		Material	Finish	Length mm	Cat.No.
	Single running track, 31 x 33 mm (W x H)	Aluminium	Clear anodized	2,000	940.43.922
				3,000	940.43.932
				4,000	940.43.942
				6,000	940.43.962

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Folding door fitting Centrefold 100 Al Fresco

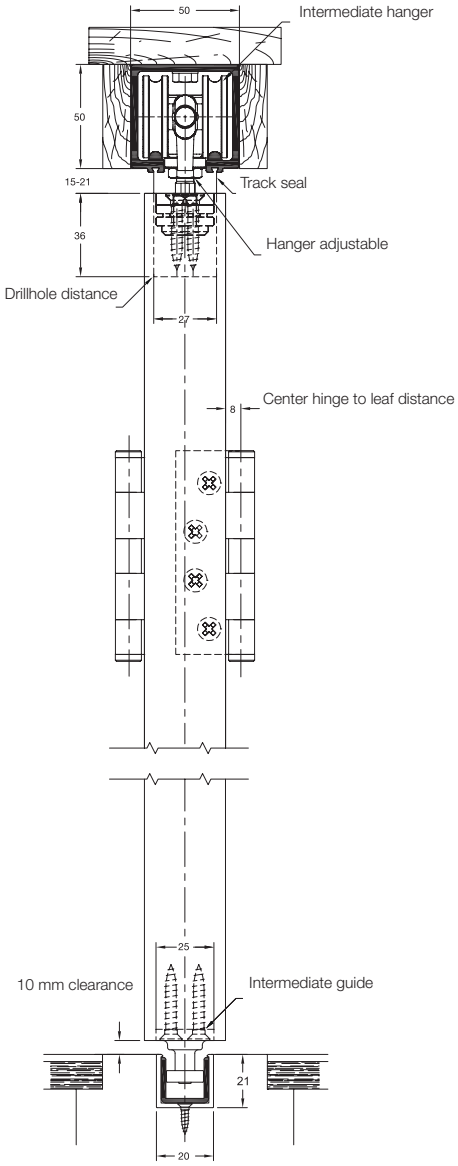


Features

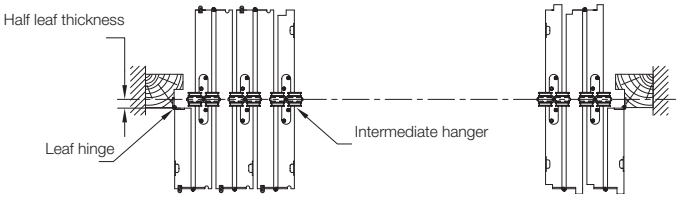
- Suitable for residential or high commercial hall
- Leaves are hung centrally under the running tracks and can be folded to one or both sides

Technical data

- Max. door weight per leaf: 100 kg
- Max. door height: 3,300 mm
- Max. door leaf width: 900 mm
- For door thickness: 35–50 mm



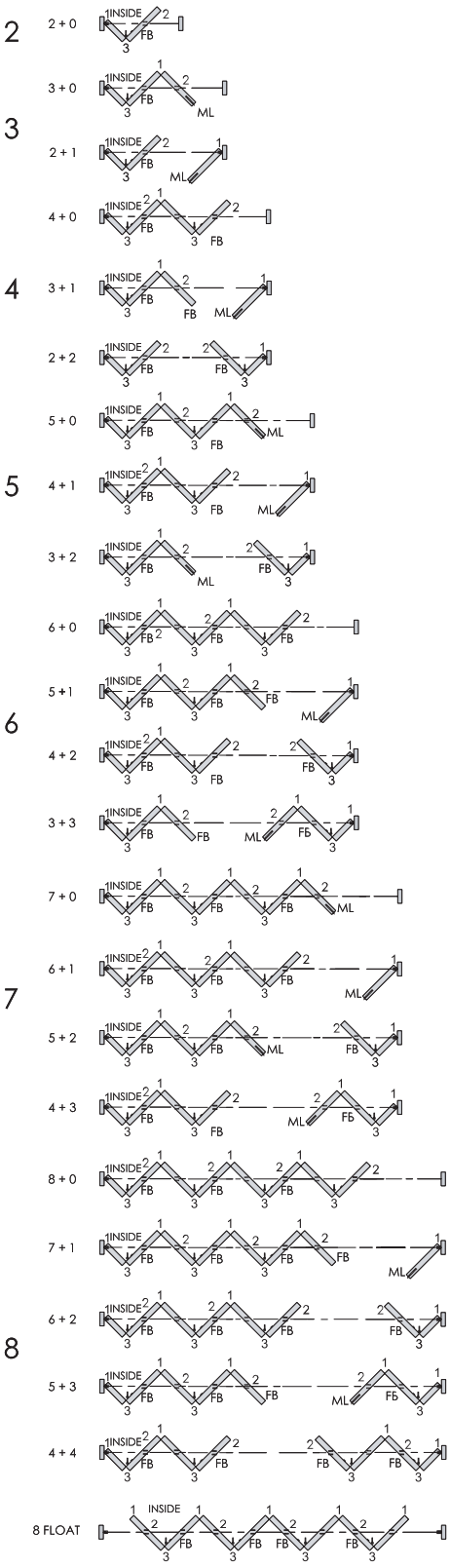
Top view installation



5

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Application overview of Centrefold installation



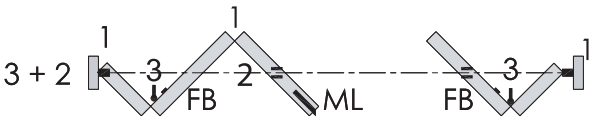
Part overview

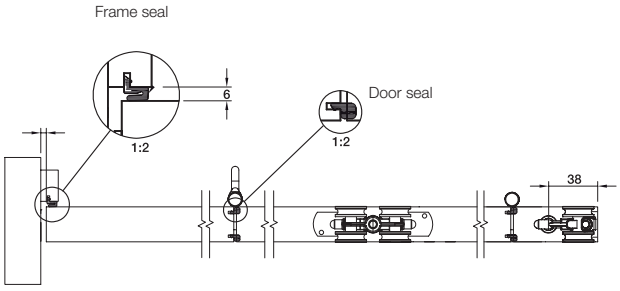
Symbol	Ref.	Description
	1	Leaf hinge
	2	Intermediate hanger set with guide
	3	Hinge set with hinge handle
	FB	Flush bolt
	ML	Mortise lock

Order reference

Mortise lock is optional, please see in this catalogue chapter 2.
Leaf hinge is required for oversized doors, please see sets on following pages.

Example overview for a 3+2 system

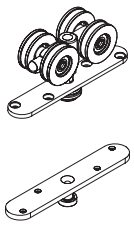
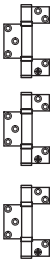
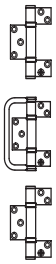


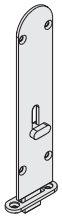
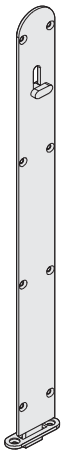
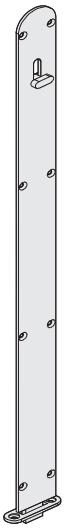


5

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

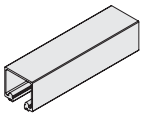
Set components of Centrefold 100 Al Fresco

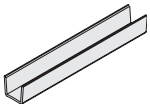
				
	2	1	3	
Material/Finish	Intermediate hanger set with guide	Non-mortise hinge set	Non-mortise hinge set with handle	Intermediate hinge
Stainless steel matt	943.50.012	943.14.403	943.14.402	943.14.400

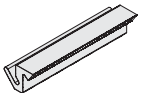
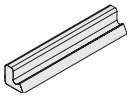
Flush bolts with slide			
			
Material/Finish	Flush bolts 190 mm	Flush bolts 450 mm	Flush bolts 600 mm
Stainless steel matt	911.62.670	911.62.671	911.62.672
Brass nickel plated satin	911.62.501	911.62.516	911.62.525

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Accessories and tracks for Centrefold 100 Al Fresco

Running track		Material	Finish	Length mm	Cat. No.
	50 x 50 mm (WxH)	Aluminium	Clear anodized	2,000	943.34.920
				3,000	943.34.930
				4,000	943.34.940
				6,000	943.34.960

Bottom guide channel		Material	Finish	Length mm	Cat. No.
	20 x 21 x 2 mm (WxHxT)	Aluminium	Clear anodized	2,000	943.33.720
				3,000	943.33.730
				4,000	943.33.740
				6,000	943.33.760

Seals		Material	Colour	Cat.No.
	Frame seal	Plastic	Brown	950.06.201
			White	950.06.207
	Door seal with 6 mm thickness	Plastic	Brown	950.06.711
			White	950.06.717
	Track seal	Plastic	–	950.06.291

Calculations for length of seals (allowing 1m cutting reserve)

Frame seal length normal= (2x opening width + 2x opening height) +1 m

Door seal length (6 mm thickness)= (2x no. of door leaves x opening height) +1 m

Track seal length= Opening width + 1m

Order reference

Please ask our sales department fo planning and installation assistance.

The exactly leaf size must be calculated by our sales department directly.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Folding door fitting Endfold 100 Al Fresco

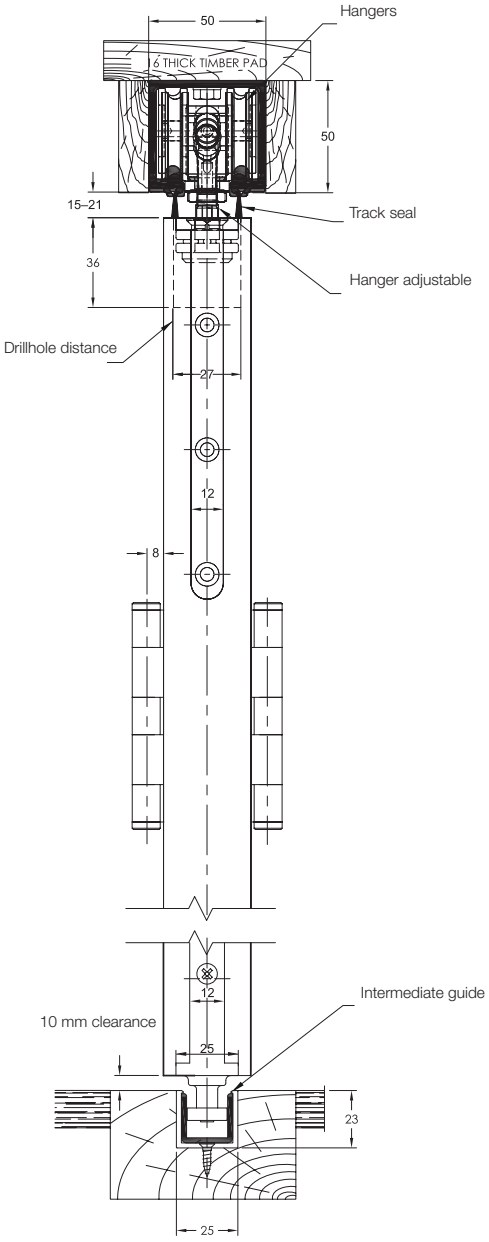


Features

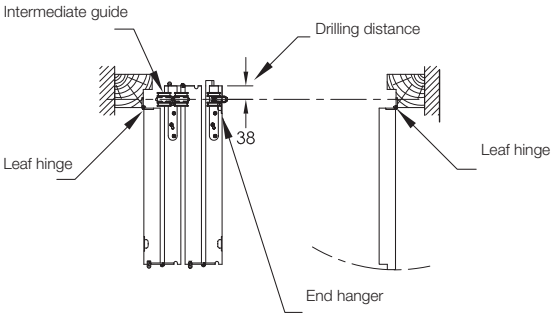
- Suitable for residential or high commercial hall
- Endfold hinges or with pivot function suitable for top hung interior
- Leaves can be folded to one or both sides

Technical data

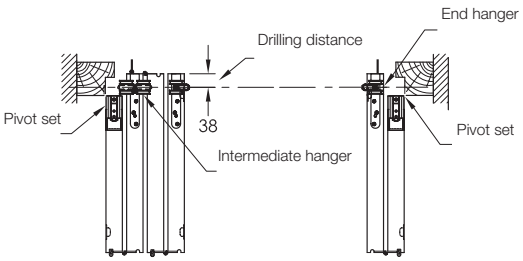
- Max. door weight: 100 kg per door leaf
- Max. door height: 3,300 mm
- Max. door leaf width: 900 mm
- For door thickness: 35–50 mm



Hinge top view installation

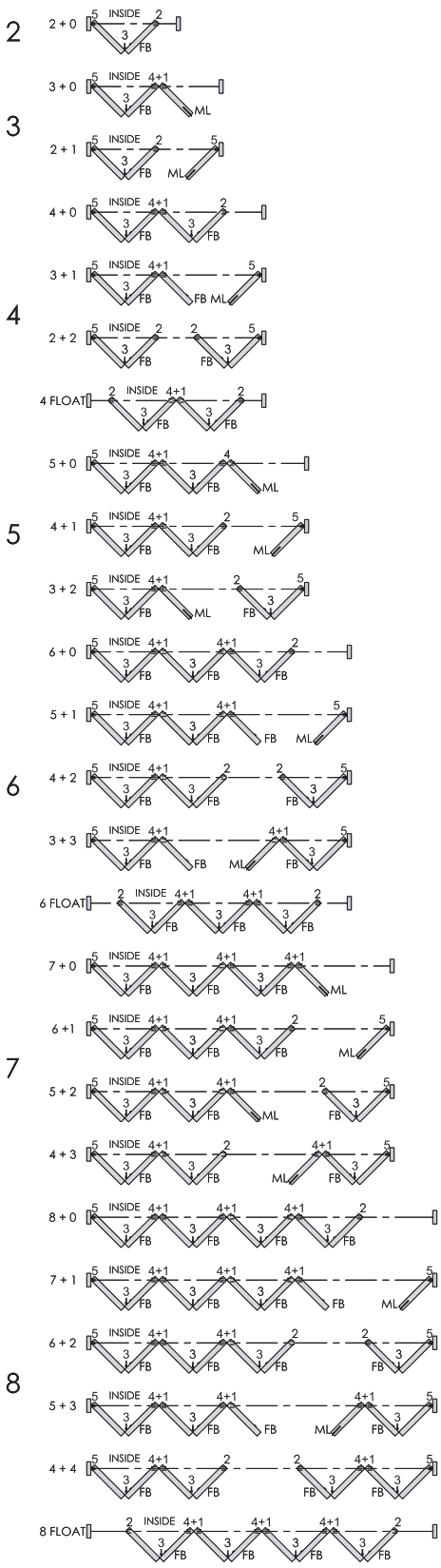


Pivot top view installation



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Application overview for pivot installation



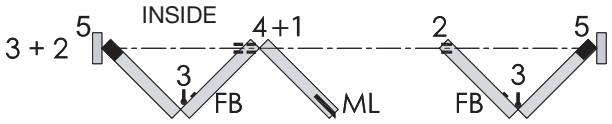
Part overview

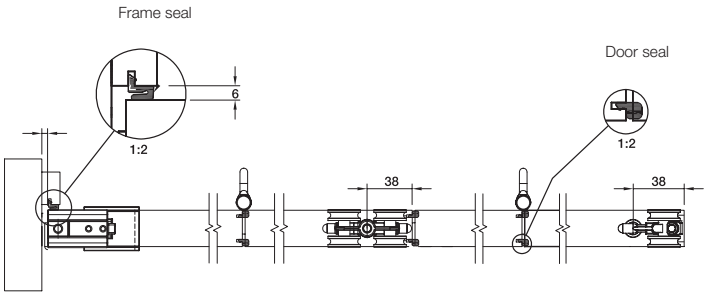
Symbol	Ref.	Description
	1	Leaf hinge
	2	End hanger set with guide
	3	Hinge set with hinge handle
	4	Intermediate hanger set with guide
	5	Adjustable pivot set
	FB	Flush bolt
	ML	Mortise lock

Order reference

Mortise lock is optional, please see in this catalogue chapter 2.
Leaf hinge is required for oversized doors, please see sets on following pages.

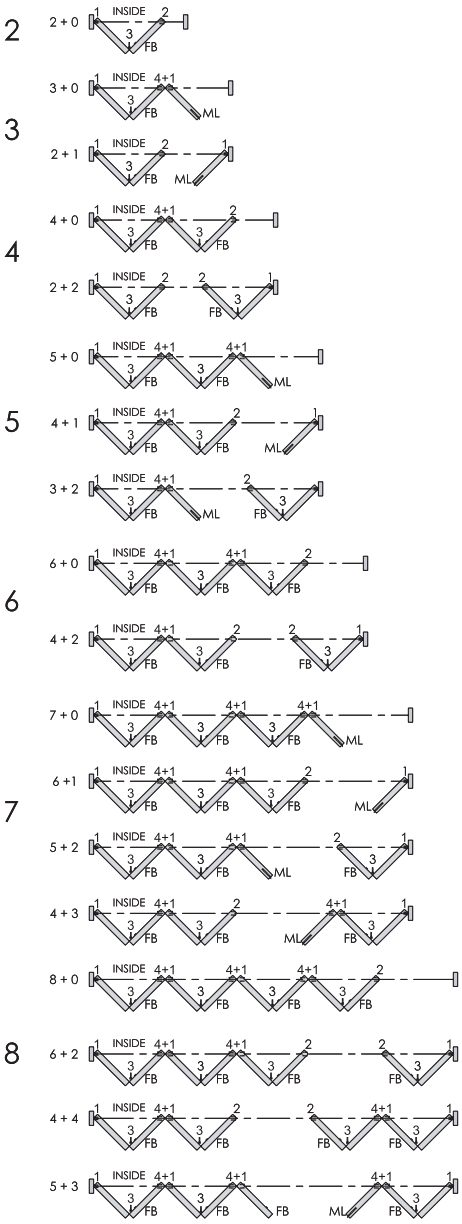
Example overview for 3+2 system





We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Application overview for hinge installation



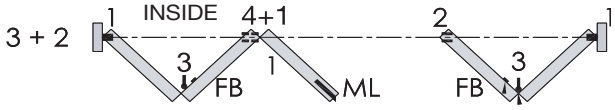
Part overview

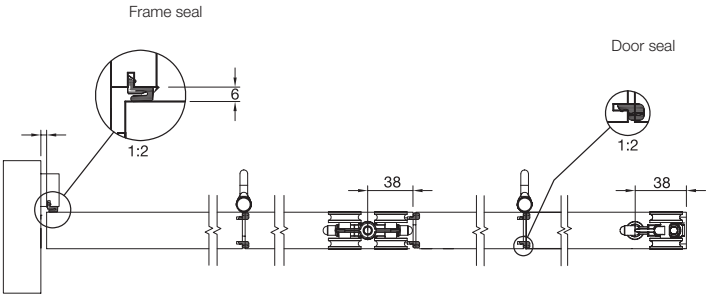
Symbol	Ref.	Description
	1	Leaf hinge
	2	End hanger set with guide
	3	Hinge set with hinge handle
	4	Intermediate hanger set with guide
	FB	Flush bolt
	ML	Mortise lock

Order reference

Mortise lock is optional, please see in this catalogue chapter 2.
Leaf hinge is required for oversized doors, please see sets on following pages.

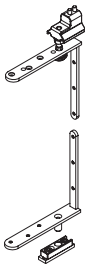
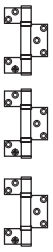
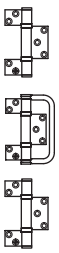
Example overview for 3+2 system

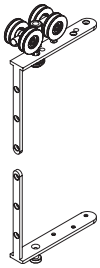
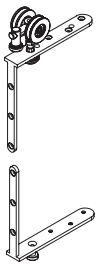


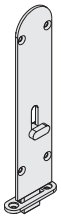
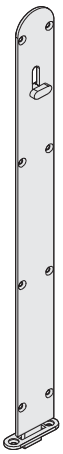
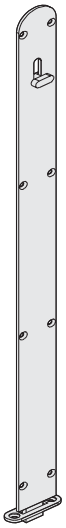


We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set components of Endfold 100 Al Fresco

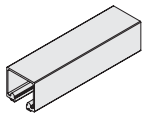
			
	5	1	3
Material/Finish	Asjustable pivot set	Non-mortise hinge set	Hinge set with hinge handle
Stainless steel matt	943.50.020	943.14.403	943.14.402

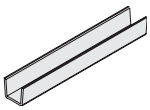
			
	4	2	3
Material/Finish	Intermediate hanger set with guide	End hanger set with guide	Intermediate hinge
Stainless steel matt	943.50.030	943.50.031	943.14.400

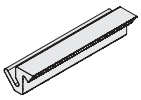
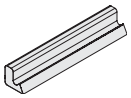
Flush bolts with slide			
			
Material/Finish	Flush bolts 190 mm	Flush bolts 450 mm	Flush bolts 600 mm
Stainless steel matt	911.62.670	911.62.671	911.62.672
Brass nickel plated satin	911.62.501	911.62.516	911.62.525

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Accessories and tracks for Endfold 100 Al Fresco

Running track		Material	Finish	Length mm	Cat. No.
	50 x 50 mm (WxH)	Aluminium	Clear anodized	2,000	943.34.920
				3,000	943.34.930
				4,000	943.34.940
				6,000	943.34.960

Bottom guide channel		Material	Finish	Length mm	Cat. No.
	20 x 21 x 2 mm (WxHxT)	Aluminium	Clear anodized	2,000	943.33.720
				3,000	943.33.730
				4,000	943.33.740
				6,000	943.33.760

Seals		Material	Colour	Cat.No.
	Frame seal	Plastic	Brown	950.06.201
			White	950.06.207
	Door seal with 6 mm thickness	Plastic	Brown	950.06.711
			White	950.06.717
	Track seal	Plastic	–	950.06.291

Calculations for length of seals (allowing 1m cutting reserve)

Frame seal length normal= (2x opening width + 2x opening height) +1m

Door seal length (6 mm thickness)= (2x no. of door leaves x opening height) +1m

Track seal length= Opening width + 1m

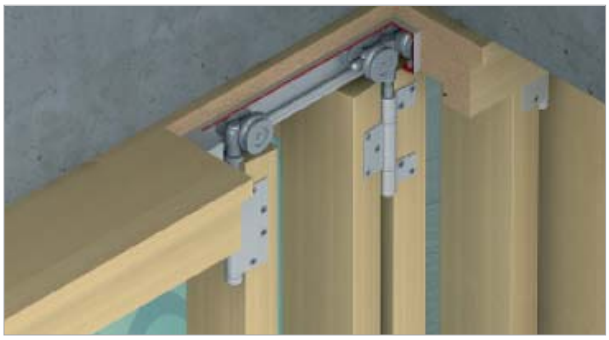
Order reference

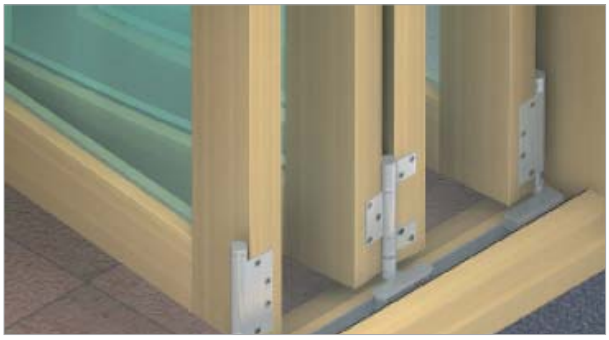
Please ask our sales department fo planning and installation assistance.

The exactly leaf size must be calculated by our sales department directly.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Folding door fitting Fold 75-M/100-M/150-M





OUTSTANDING QUALITY

Features

- For timber door frames
- For 2- to 8-leaf folding doors
- Floating suites possible
- Full corrosion resistant construction, ideal for coastal applications
- Concealed channel to enhance appearance
- Non-mortise hinges and hanger
- Precision bearings top and bottom to reduce rolling resistance
- Durable polypropylene channel provides quiet operation

Technical data

- Max. door weight per leaf: 75, 100 or 150 kg
- Max. door height: 3,300 mm (75/100 kg) or 4,000 mm (150 kg)
- Max. door leaf width: 1,000 mm (75/100 kg) or 1,200 mm (150 kg)
- Max. 16 leafs (8 left and 8 right)
- Door thickness: 35–68 mm (75/100 kg) and 44–68 mm (150 kg)

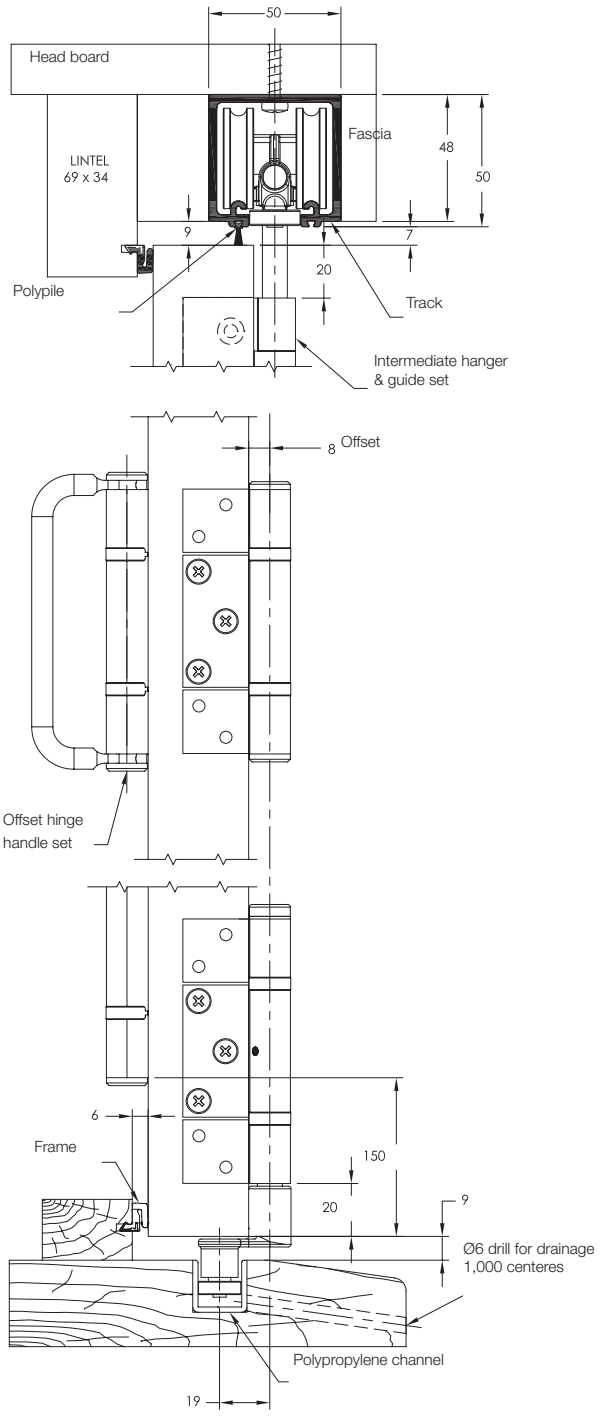
Material/Finish

- Material: Running gear nylon rollers with steel precision stainless steel bearings, stainless steel (304) hinges, stainless steel (316) pivot, hanger bodies and bottom guides, bottom guides with sealed precision stainless steel bearings

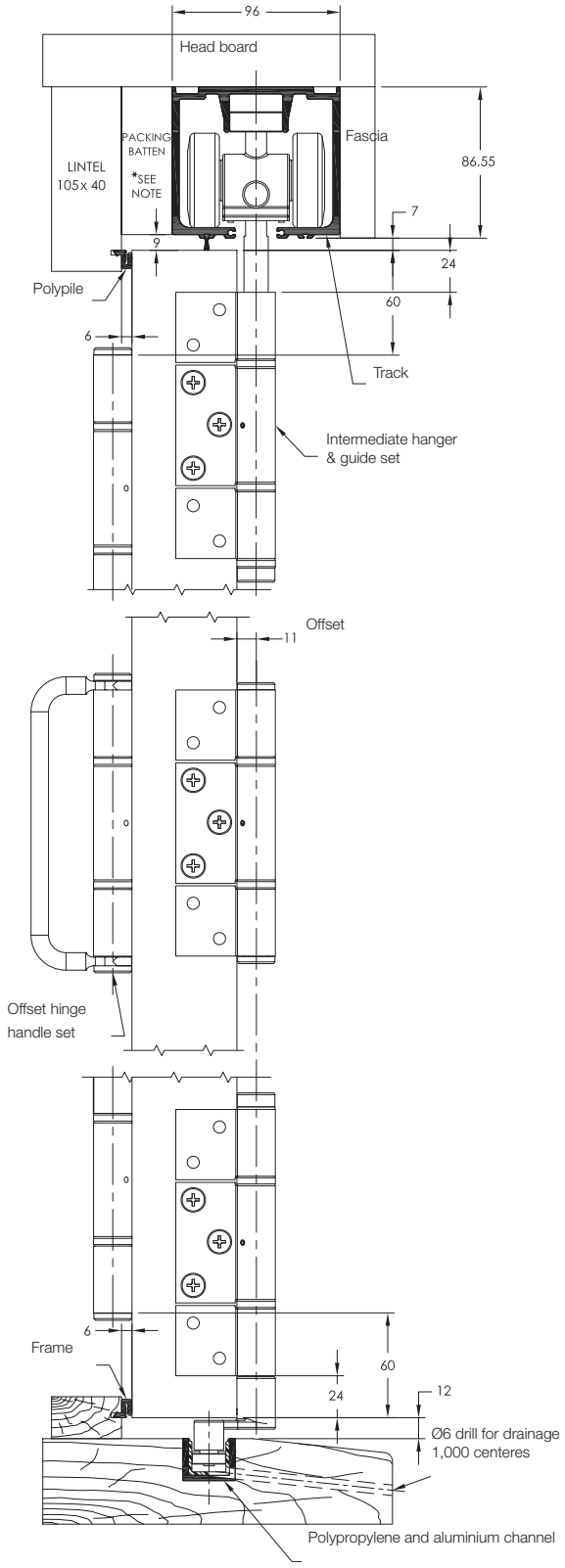
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Installation dimension for Fold 75-M/100-M/150-M

75 kg and 100 kg



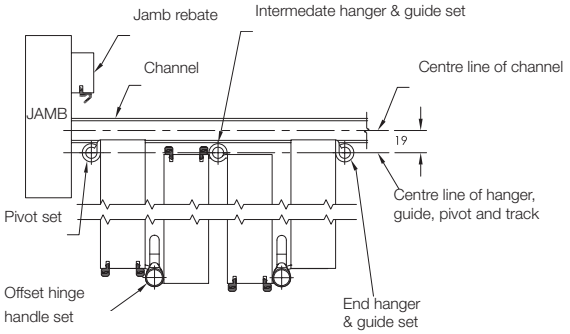
150 kg

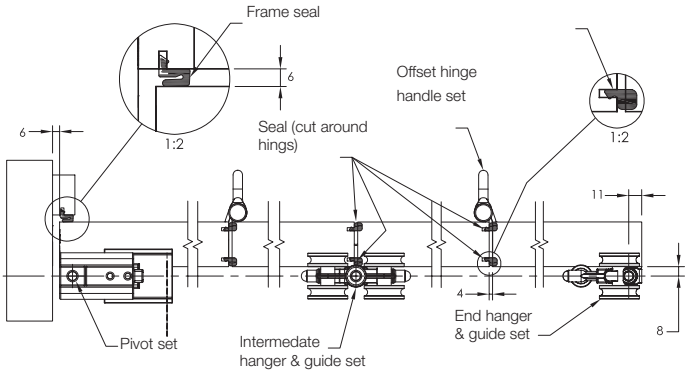


We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

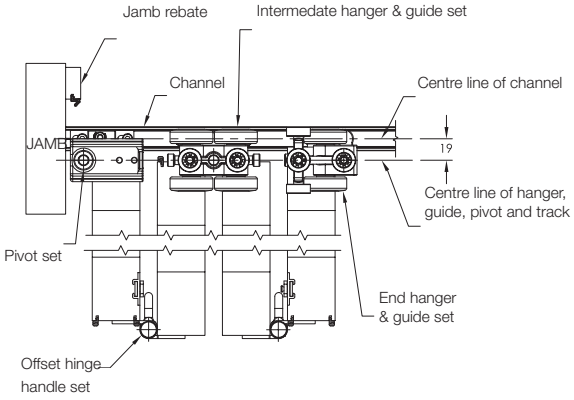
Top view closed and opened doors

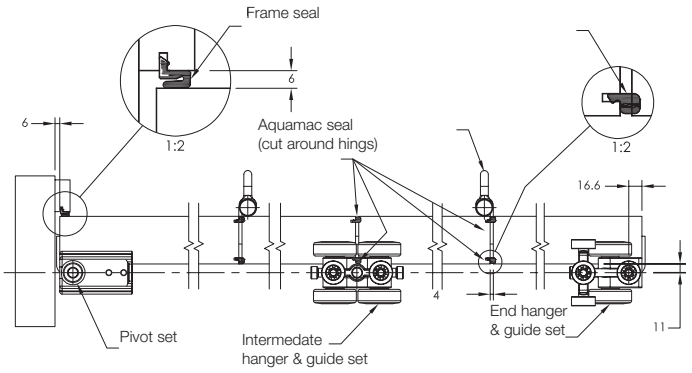
75 kg and 100 kg



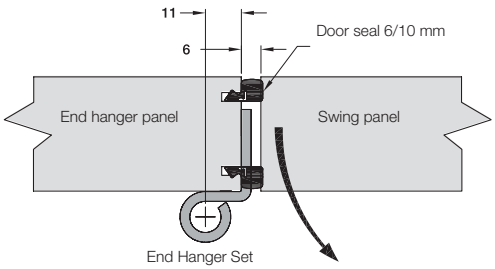


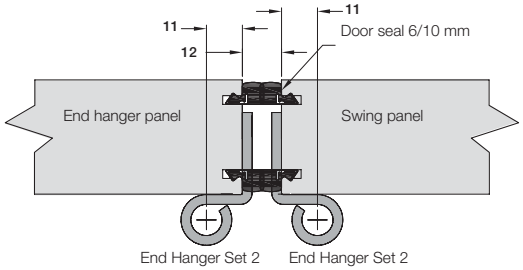
150 kg

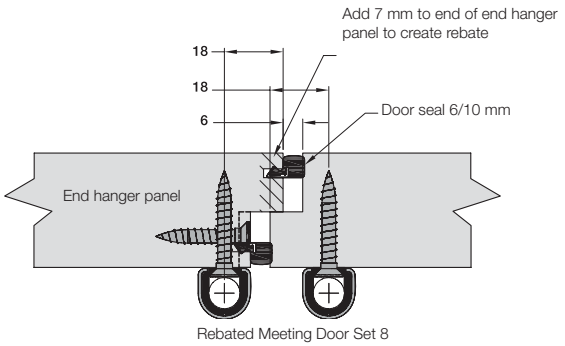




Overview meeting points (point where the last panels of right/left side meets each other)







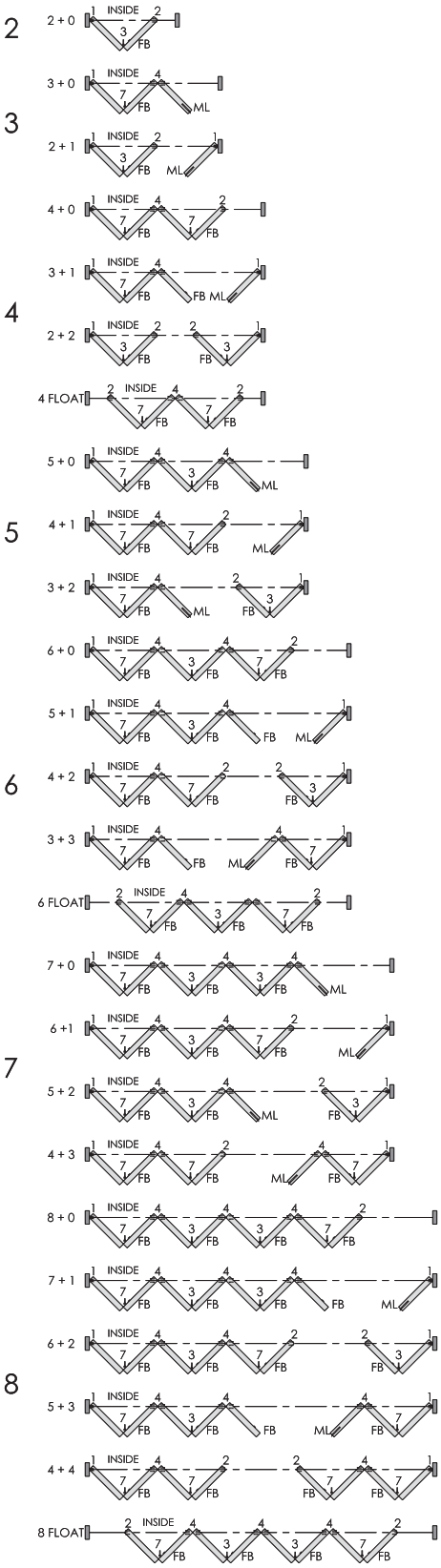
Note

Please use on a meeting point always a door seal as following:

- For 75/100 kg 6 mm door seal
- For 150 kg 10 mm door seal

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Application overview for outward opening doors



Part overview		
Symbol	Ref.	Description
	1	Adjustable pivot set
	1	Jamb hinge
	2	End hanger set with guide
	3	Hinge set with hinge handle
	4	Intermediate hanger set with guide
	7	Offset hinge set with hinge handle
	8	Meeting door set
	FB	Flush bolt
	ML	Mortise lock

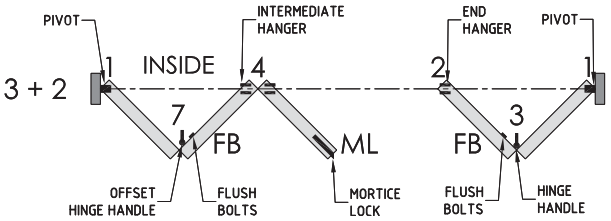
Order reference

Mortise lock is optional, please see in this catalogue chapter 2. Jamb hinge is required for oversized doors, please see sets on following pages.

Note

Instead of 2 end hanger sets with guide (No. 2) you can also choose 1 meeting door set (No. 8). The doors will be rebated on end. Usable for 75 and 100 kg versions.

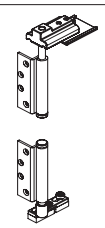
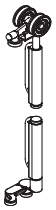
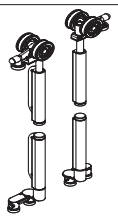
Example overview for 3+2 system

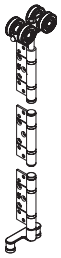


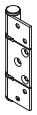
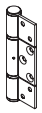
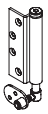
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fold 75-M

75 kg hinge and pivot sets

			
	1	2	8
Material/Finish	Pivot assembly non-mortise	End hanger set non-rebated	Meeting door set
Stainless steel satin	943.34.004	943.34.020	943.34.092
Brass polished PVD	943.34.001	943.34.014	943.34.086

			
	4	7	3
Material/Finish	Intermediate hanger set non-mortise	Offset hinge set with hinge handle non-mortise	Hinge set with hinge handle non-mortise
Stainless steel satin	943.34.068	943.34.133	943.34.097
Brass polished PVD	943.34.062	943.34.135	943.34.099

			
	7*	3*	1*
Material/Finish	Intermed. offset hinge non-mortise	Intermed. hinge non-mortise	Jamp pivot non-mortise
Stainless steel satin	943.34.182	943.34.158	943.34.149
Brass polished PVD	943.34.181	943.34.157	943.34.151

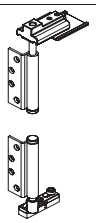
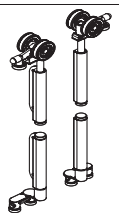
Order reference

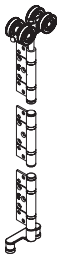
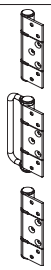
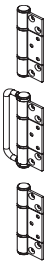
Please order additional 1*, if the door height is over 2,400 mm for more stability against warping. Please install between top and bottom part of pivot assembly non-mortise. Please order additional for intermediate hinge 7* and 3*

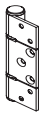
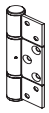
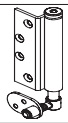
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fold 100-M

100 kg hinge and pivot sets

			
	1	2	8
Material/Finish	Pivot assembly non-mortise	End hanger set non-rebated	Meeting door set
Stainless steel satin	943.34.004	943.34.048	943.34.096
Brass polished PVD	943.34.001	943.34.045	943.34.093

			
	4	7	3
Material/Finish	Intermediate hanger set non-mortise	Offset hinge set with hinge handle non-mortise	Hinge set with hinge handle non-mortise
Stainless steel satin	943.34.068	943.34.133	943.34.097
Brass polished PVD	943.34.062	943.34.135	943.34.099

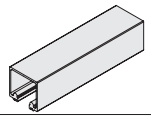
			
	7*	3*	1*
Material/Finish	Intermed. offset hinge non-mortise	Intermed. hinge non-mortise	Jamp pivot non-mortise
Stainless steel satin	943.34.182	943.34.158	943.34.149
Brass polished PVD	943.34.181	943.34.157	943.34.151

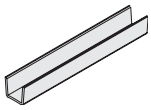
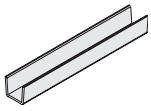
Order reference

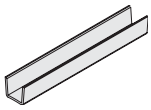
Please order additional 1*, if the door height is over 2,400 mm for more stability against warping. Please install between top and bottom part of pivot assembly non-mortise. Please order additional for intermediate hinge 7* and 3* .

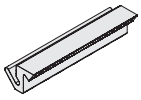
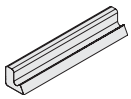
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Accessories and tracks for Fold 75-M/100-M

Running track		Material	Finish	Length mm	Cat.No.
	50 x 50 mm (W x H)	Aluminium	Clear anodized	2,000	943.34.920
				3,000	943.34.930
				4,000	943.34.940
				6,000	943.34.960

Bottom guide channel as single		Material	Finish	Length mm	Cat.No.
	20 x 21 x 2 mm (W x H x T)	Aluminium	Clear anodized	2,000	943.33.720
				3,000	943.33.730
				4,000	943.33.740
				6,000	943.33.760
	20 x 21 x 2 mm (W x H x T)	Polypropylene	–	2,000	943.33.920
				3,000	943.33.930
				4,000	943.33.940
				6,000	943.33.960

Support channel for polypropylene bottom guide chanel		Material	Finish	Length mm	Cat.No.
	25 x 23 x 2 mm (W x H x T)	Aluminium	Clear anodized	2,000	943.33.120
				3,000	943.33.130
				4,000	943.33.140
				6,000	943.33.160

Support channel for polypropylene bottom guide chanel		Material	Colour	Cat.No.
	Frame seal	Plastic	Brown	950.06.201
			White	950.06.207
	Door seal with 6 mm thickness	Plastic	Brown	950.06.711
			White	950.06.717
	Track seal	Plastic	–	950.06.291

Calculations for length of seals (allowing 1m cutting reserve)

Frame seal length normal= (2 x opening width + 2 x opening height) +1 m

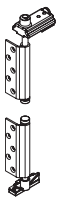
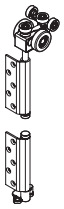
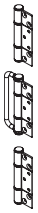
Door seal length (6 mm thickness)= (2 x no. of door leaves x opening height) +1 m

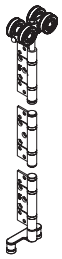
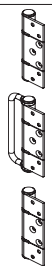
Track seal length= Opening width + 1 m

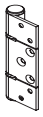
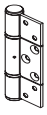
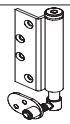
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fold 150-M

150 kg hinge and pivot sets

			
	1	2	3
Material/Finish	Pivot assembly non-mortise	End hanger set non-rebated	Hinge set with hinge handle non-mortise
Stainless steel satin	943.34.280	943.34.284	943.34.290

		
	4	7
Material/Finish	Intermediate hanger set non-mortise	Offset hinge set with hinge handle non-mortise
Stainless steel satin	943.34.286	943.34.298

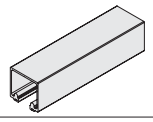
			
	7*	3*	1*
Material/Finish	Intermed. offset hinge non-mortise	Intermed. hinge non-mortise	Jamp pivot non-mortise
Stainless steel satin	943.34.296	943.34.288	943.34.282

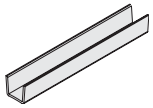
Order reference

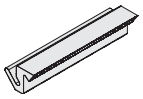
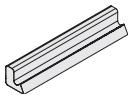
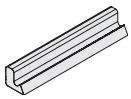
Please order additional 1*, if the door height is over 2,400 mm for more stability against warping. Please install between top and bottom part of pivot assembly non-mortise. Please order additional for intermediate hinge 7* and 3*.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Accessories and tracks for Fold 150-M

Running track		Material	Finish	Length mm	Cat.No.
	96 x 87 mm (WxH)	Aluminium	Clear anodized	4,000	943.34.941
				6,000	943.34.961

Bottom guide channel as single		Material	Finish	Length mm	Cat.No.
	20 x 21 x 2 mm (WxHxT)	Aluminium	Clear anodized	4,000	943.34.942
				6,000	943.34.962

Support channel for polypropylene bottom guide chanel		Material	Colour	Cat.No.
	Frame seal	Plastic	Brown	950.06.201
			White	950.06.207
	Door seal with 6 mm thickness	Plastic	Brown	950.06.711
			White	950.06.717
	Door seal with 10 mm thickness	Plastic	Brown	950.06.721
			White	950.06.727
	Track seal	Plastic	–	950.06.291

Calculations for length of seals (allowing 1m cutting reserve)

Frame seal length normal= (2x opening width + 2x opening height) +1m

Door seal length (6 mm thickness)= (2x no. of door leaves x opening height) +1m

Track seal length= Opening width + 1m

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

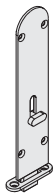
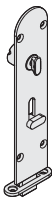
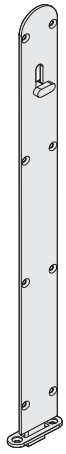
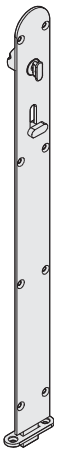
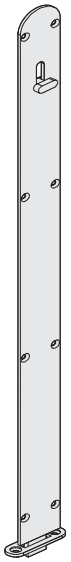
Flush bolts for Fold 75-M/100/150-M



- With slide
- Width: 41 mm
- Stoke: 20 mm

Supplied with:

1 Slide flush bolt
1 Strike plate
1 Set of fixing material

Flush bolts 190 mm			Flush bolts 450 mm		Flush bolts 600 mm
					
Material/Finish	Standard	Lockable	Standard	Lockable	Standard
Brass nickel plated satin	911.62.501	911.62.507	911.62.516	911.62.519	911.62.525
Brass polished PVD	911.62.750	911.62.764	911.62.752	911.62.865	911.62.754
Stainless steel matt	911.62.670	–	911.62.671	–	911.62.672

Order reference

Please request the planning and installation assistance of our sales department in preparation for hardware schedules and calculating of door sizes without Fold-75/100/150 calculator.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Additional insect screen for several fold applications



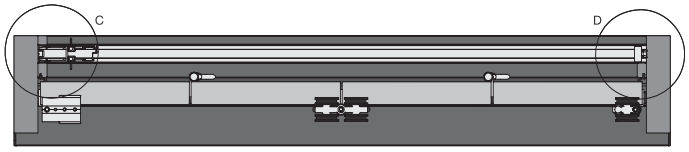
OUTSTANDING QUALITY

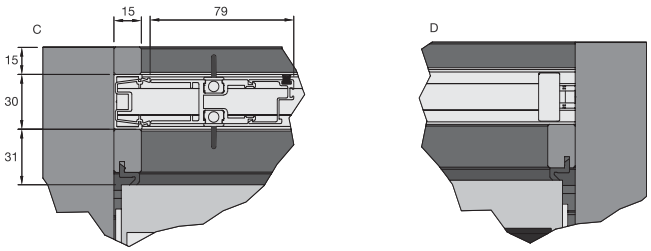
Häfele insect screen has been developed with the window and door industry in mind. Unlike others the product is designed specifically to be integrated into windows and doors making the unit discreet in appearance and operation.
Independent to any specific window or door system, Häfele insect screen can be used for French doors, Sliding patio doors, Folding door systems and many other window applications.
In addition we offer a feature that may please many architects, the ability to screen corner openings without the need of a corner post.

- From 600–3,200 mm height (single screen and double screen)
- From 900–4,500 mm width (single screen)
- From 1,800–9,000 mm width (double screen)
- Available in black

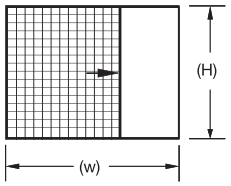
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Details top view





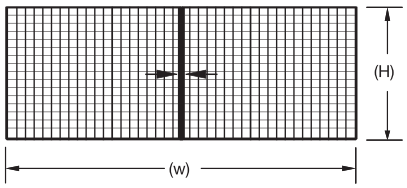
Single screen



Min. (H) - 600 mm
Max. (H) - 3,200 mm

Min (W) - 900 mm
Max (W) - 450 mm

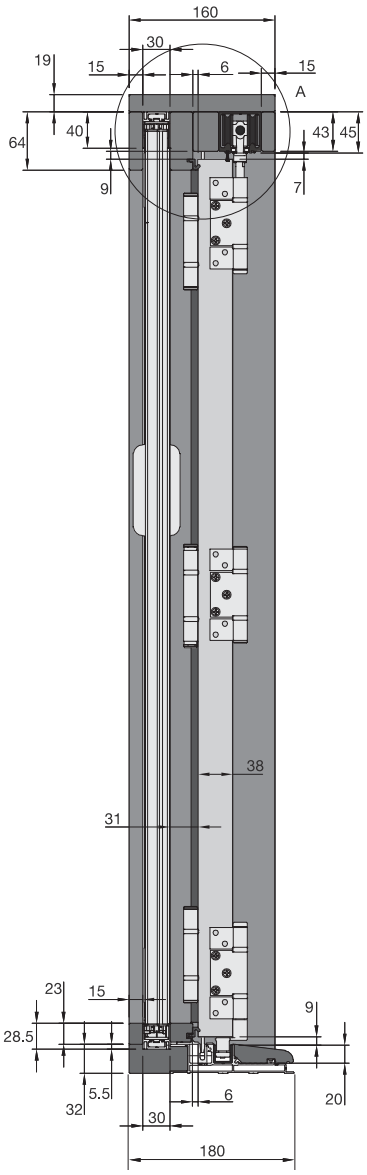
Double screen



Min. (H) - 600 mm
Max. (H) - 3,200 mm

Min. (W) - 1,800 mm
Max. (W) - 9,000 mm

Details end view

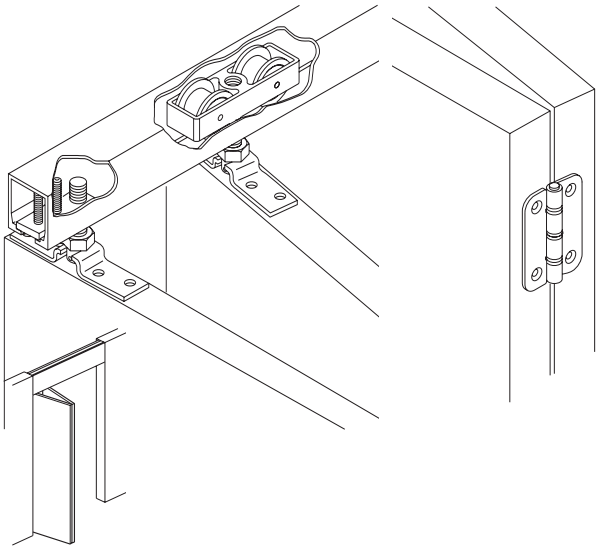


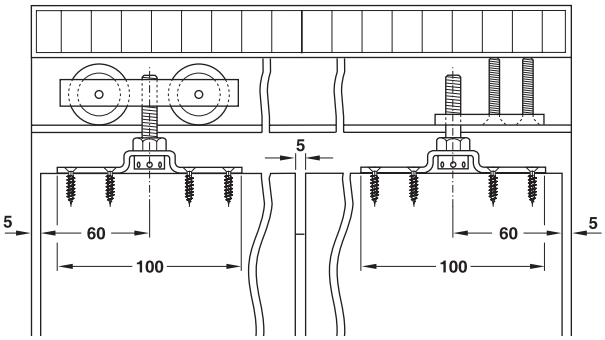
Note

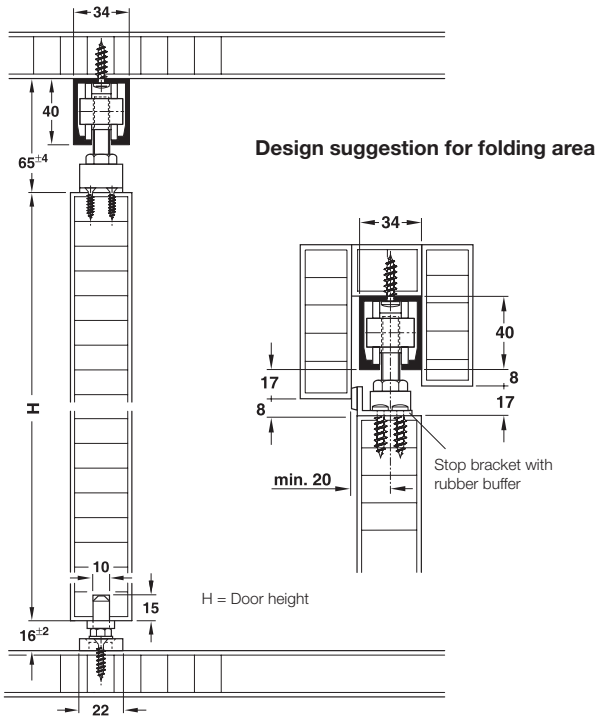
The screen is available in many different configurations.
For more information please contact our sales department.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Folding door fitting Bifold 40 HAWA







Features

- For 2-leaf bifold door installation
- Fittings are surface mounted, no recessing or grooving required
- Smooth and quiet operation
- Bottom guide channel not required
- High-quality folding door fitting for large wall units or living-room cabinets as well as partitions

Technical data

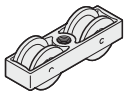
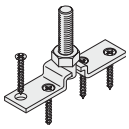
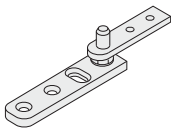
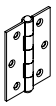
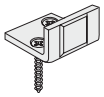
- Max. door weight per leaf: 40 kg
- Min. door thickness: 26 mm
- Max. door width per leaf: 600 mm

Material/Finish

- Running track aluminium clear anodized
- Running gear with nylon rollers
- Butt hinge steel galvanized
- Stop bracket steel with rubber buffer

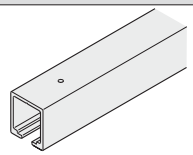
Folding door fitting set	Cat. No.
Fitting for 2-leaf bifold doors, without running track	407.58.003

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of:			Cat. No.
	Running gear, with nylon rollers	1 pc.	940.80.012
	Suspension plate, M10 bolt and mounting screws	2 pcs.	940.80.023
	Top pivot plate	1 pc.	407.58.010
	Bottom pivot	1 pc.	407.58.011
	Butt hinge, with riveted pinand guide bearing	3 pcs.	926.22.903
	Height adjusting pin, steel	1 pc.	940.40.091
	Stop bracket	1 pc.	407.58.020

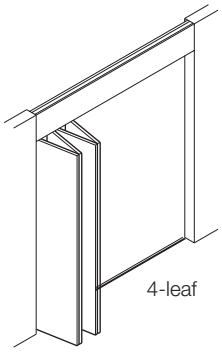
Order reference

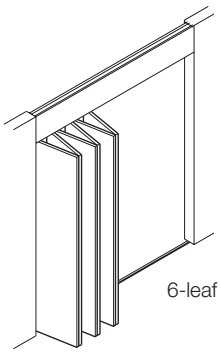
Catalogue numbers refer to 1 piece. Please indicate the quantity when ordering individual parts. For a 4-leaf opening where 2 leaves fold to the left and 2 leaves fold to the right side of the opening, please order 2 sets of the 2-leaf bifold fitting.

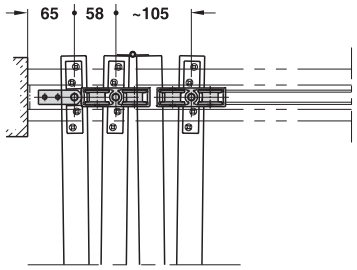
Running track	Length mm	Cat. No.
	2,000	940.80.200
	3,000	940.80.300
	4,000	940.80.400
	6,000	940.80.600

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Folding door fitting Folding 30 HAWA







Features

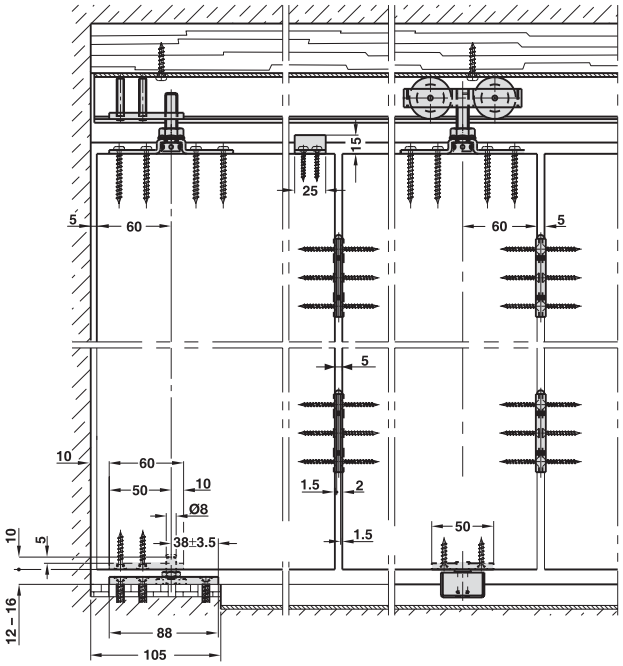
- For 4- and 6-leaf folding door installation
- Fittings are surface mounted, no recessing or grooving required
- Smooth and quiet operation
- High-quality folding door fitting for partitions

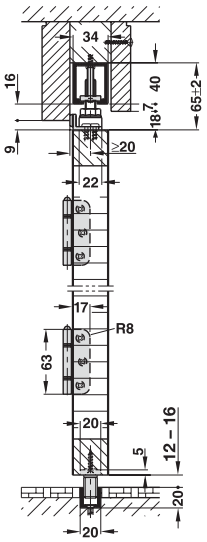
Technical data

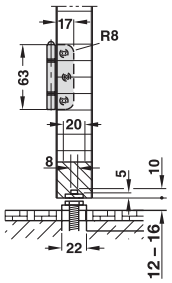
- Max. door weight per leaf: 30 kg
- Min. door thickness: 26–45 mm
- Max. door width per leaf: 600 mm

Material/Finish

- Running track aluminium clear anodized
- Butt hinge steel galvanized
- Bottom guide channel aluminium clear anodized

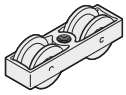
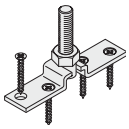
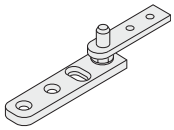
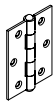
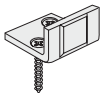






Folding door fitting set	Cat. No.
Fitting for 4-leaf folding doors, without running track	407.58.004
Fitting for 6-leaf folding doors, without running track	407.58.006

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set consisting of		Quantity for 4-leaf	Quantity for 6-leaf	Cat. No.
	Running gear, with nylon rollers	2 pcs.	3 pcs.	940.80.012
	Suspension plate, M10 bolt and mounting screws	3 pcs.	4 pcs.	940.80.023
	Top pivot plate	1 pc.	1 pc.	407.58.010
	Bottom pivot	1 pc.	1 pc.	407.58.011
	Butt hinge, with riveted pinand guide bearing	9 pcs.*	15 pcs.*	926.22.903
	Height adjusting pin, steel	1 pc.	1 pc.	940.40.091
	Stop bracket	2 pcs.	3 pcs.	407.58.020

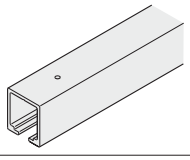
Order reference

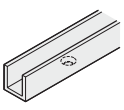
Catalogue numbers refer to 1 piece. Please indicate the quantity when ordering individual parts. For a 4-leaf opening where 2 leaves fold to the left and 2 leaves fold to the right side of the opening, please order 2 sets of the 2-leaf bifold fitting.

* Butt hinges incl. in fitting set are for a max.door height of 2,200 mm

Please order additional hinges based on the chart below:

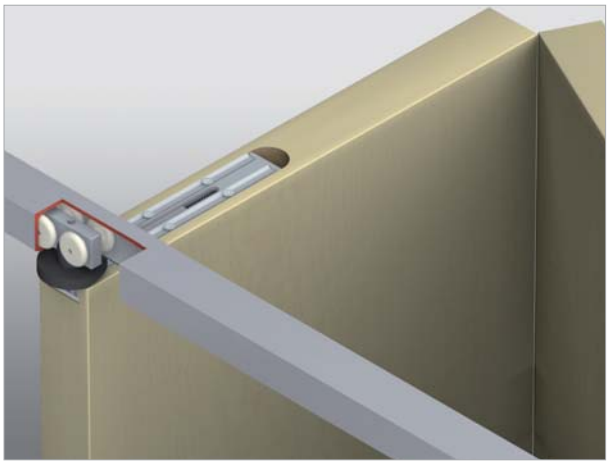
Door height		Hinges required
up to 2,700 mm	=	4
up to 3,200 mm	=	5

Running track	Length mm	Cat. No.
	2,000	940.80.200
	3,000	940.80.300
	4,000	940.80.400
	6,000	940.80.600

Additional components		Length mm	Cat. No.
	Lower guide plate with plastic slider free of play	–	943.04.030
	Bottom guide channel, pre-drilled, 20 x 20 mm	2,000	941.00.920
		3,000	941.00.930
		4,000	941.00.940
		6,000	941.00.960

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Folding door fitting T-snap G2



Features

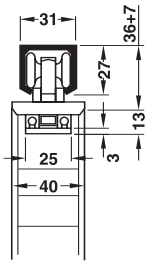
- For 2-leaf and 4-leaf folding walls
- Door adjustable (depending on using door hinges)
- Quiet running action

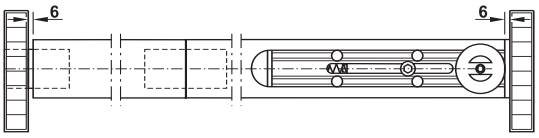
Technical data

- Max. door weight for each folding element: 40 kg (2 doors)
- For door thickness: 40 mm

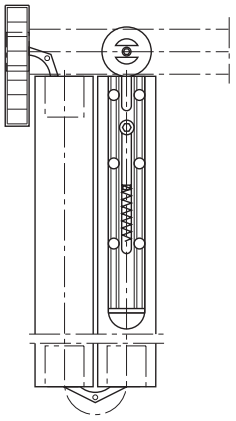
Material/Finish

- Running track aluminium bright
- Wall mounting bracket steel chromatized





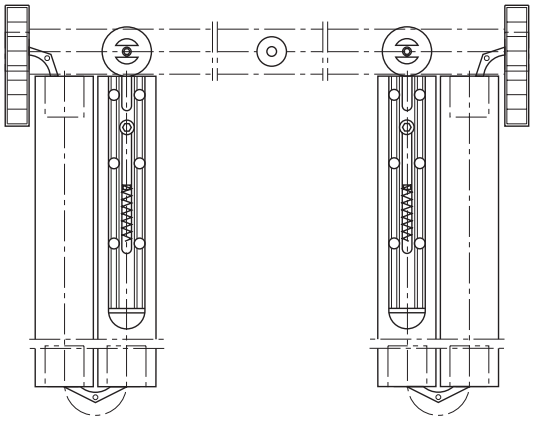
2-leaf folding door, closed



2-leaf folding door

Note

The pivot point is shifted by operating the sliding door.
The running gear has a bearing function and the load must not be completely eased by the hinges as smooth guidance of the system is then no longer guaranteed.
Suitable for screw-fixed and concealed mortise hinges.



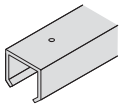
4-leaf (2-leaf + 2-leaf) folding door

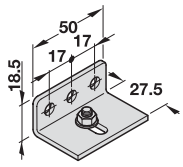
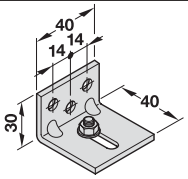
Installation

An all-round gap of at least 6 mm between door frame and folding door has to remain so that the folding door can be opened.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Folding door fitting set	Cat. No.
For 2-leaf folding doors and walls, without running track	943.16.000
For 4-leaf folding doors and walls, without running track	943.16.001

Running track	Length mm	Cat. No.
	2,000	940.84.200
	3,000	940.84.300
	4,000	940.84.400
	6,000	940.84.600

Additional components		Cat. No.
	Wall mounting bracket, 27.5 mm	940.84.071
	Wall mounting bracket, 40 mm	940.84.072

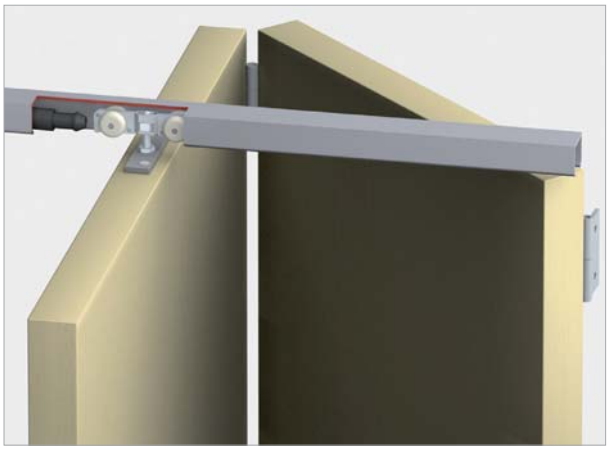
Note

Please install wall mounting brackets every 400 mm

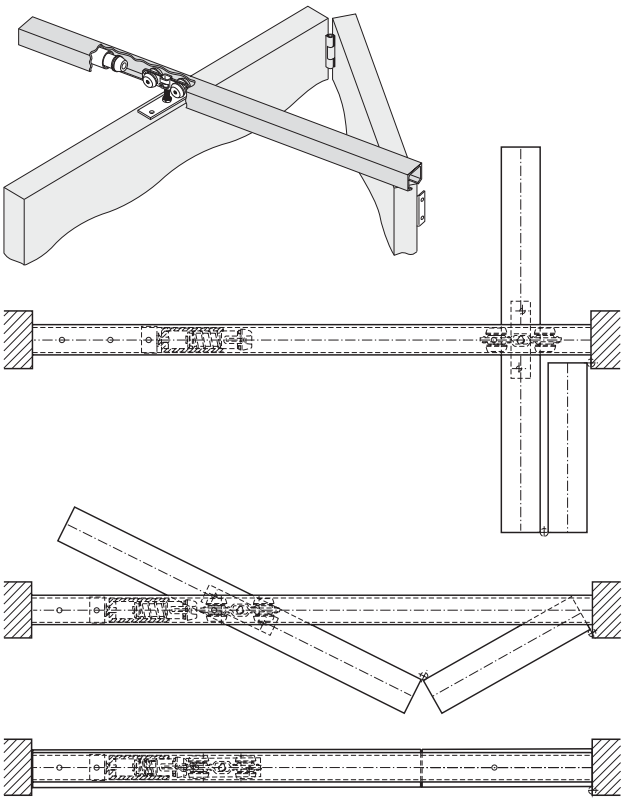
5

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Folding door fitting T-fold 50







Features

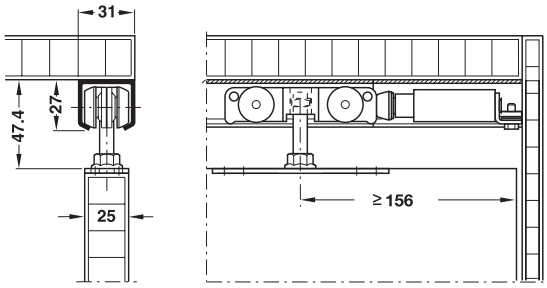
- For 2- and 4-leaf folding door and wall
- To save space in small room
- Barrier–free folding door system
- Closing force is adjustable
- Height adjustable door leaves
- Locking in end position not necessary
- Self-cleaning running track
- Quiet running action
- Without arresting mechanism

Technical data

- Max. door weight for each folding element: 50 kg (2 doors)

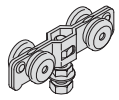
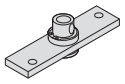
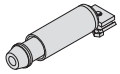
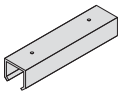
Material/Finish

- Running track aluminium bright
- Wall mounting bracket steel chromatized



Folding door fitting set	Cat. No.
For folding doors and walls, without running track	943.17.010

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

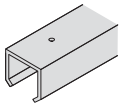
Set consisting of:		Quantity for 2-leaf	Cat. No.
	Running gear 4 rollers, ball bearing mounted	1 pc.	943.17.012
	Support flange, for screw fixing	1 pc.	943.17.020
	Softmaster soft close mechanism	1 pc.	940.84.040
	Adapter piece pre-drilled, length 100 mm	1 pc.	943.17.030
	Track stopper	1 pc.	940.84.042

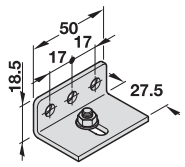
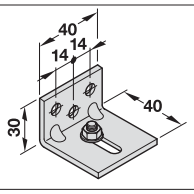
Order reference

Catalogue numbers refer to 1 piece. Please specify required quantity when ordering individual parts.

Please order 2 sets of 2-leaf folding doors for 4-leaf folding doors.

5

Running track	Length mm	Cat. No.
	2,000	940.84.200
	3,000	940.84.300
	4,000	940.84.400
	6,000	940.84.600

Additional components		Cat. No.
	Wall mounting bracket, 27.5 mm	940.84.071
	Wall mounting bracket, 40 mm	940.84.072

Note

Please install wall mounting brackets every 400 mm

Please calculate the running track length 100 mm shorter as the end-to-end length that the adapter piece can be inserted.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Folding door fitting Fold 55-S





Features

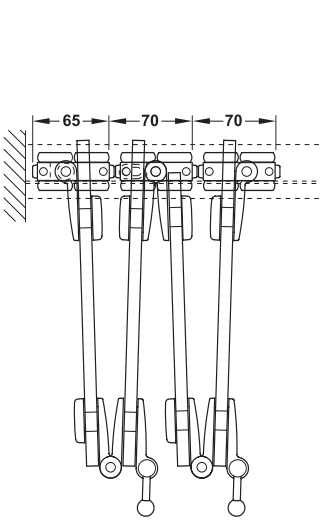
- For 2-leaf to 6-leaf folding sliding doors
- For glass thickness: 8 or 10 mm
- Suitable for toughened safety glass and laminated sheet glass
- Mounting glass drilling suspension
- Height adjustable door leaves +4/-6 mm

Technical data

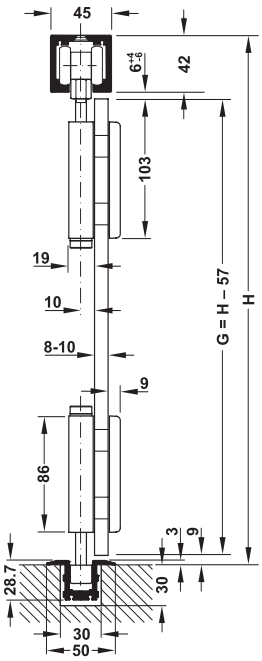
- Max. door weight per leaf: 55 kg
- Max. door width: 800 mm
- Max. door height: 2,500 mm
- Max. opening width: 4,800 mm

Material/Finish

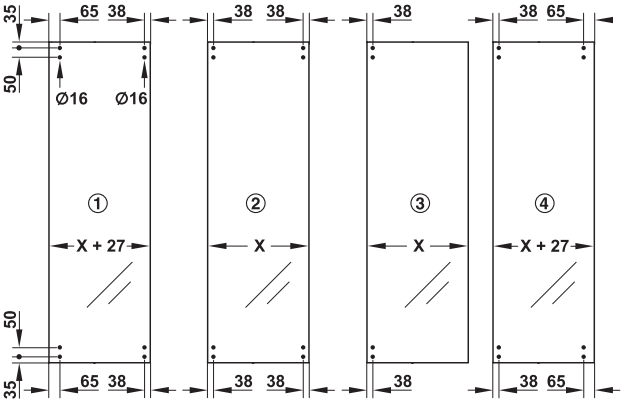
- Material: Aluminium silver coloured anodized
- Part A–J: Brass chrome plated matt



G = Glass height
H = Clear opening height



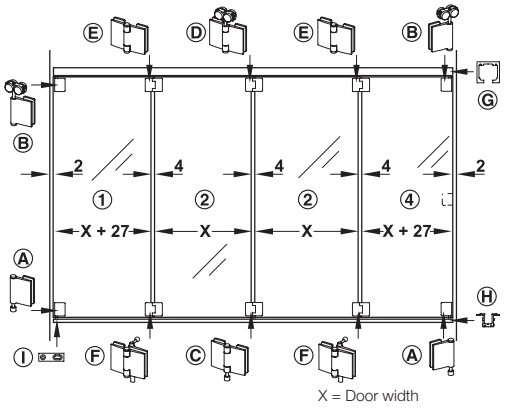
Position and type of fittings



Number of door leaves	Order of fittings
2-leaf	① ④
3-leaf	① ② ③
4-leaf	① ② ② ④
5-leaf	① ② ② ② ③
6-leaf	① ② ② ② ② ④

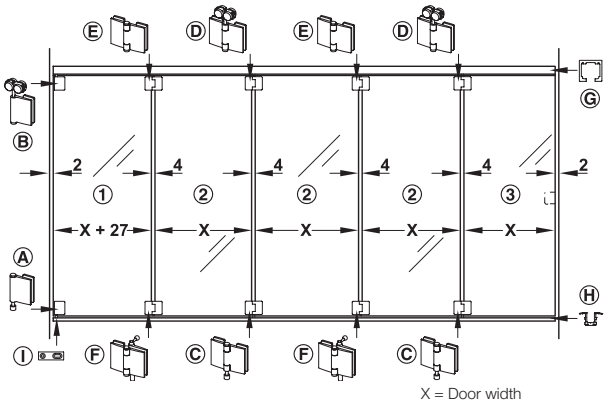
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Example of 4-leaf system (even number of doors)



X = Door width

Example of 5-leaf system (odd number of doors)

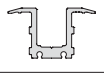


X = Door width

Number of door leaves			For 2-leaf	For 3-leaf	for 4-leaf	for 5-leaf	for 6-leaf	Cat. No.
Bottom hinge for first/ last panel	Ⓐ		2 pcs.	1 pc.	2 pcs.	1 pc.	2 pcs.	946.49.053
Top hinge fitting for first/ last panel	Ⓑ		2 pcs.	1 pc.	2 pcs.	1 pc.	2 pcs.	946.49.052
Bottom sliding hinge	Ⓒ		–	1 pc.	1 pc.	2 pcs.	2 pcs.	946.49.077
Top sliding hinge	Ⓓ		–	1 pc.	1 pc.	2 pcs.	2 pcs.	946.49.076
Top and bottom hinge	Ⓔ		1 pc.	1 pc.	2 pcs.	2 pcs.	3 pcs.	946.49.074
Bottom hinge with locking bolt	Ⓕ		1 pc.	1 pc.	2 pcs.	2 pcs.	3 pcs.	946.49.075
Bottom pivot for first/ last panel	Ⓘ		1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	946.49.061

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantity when ordering individual parts. If catch is required please order separately.

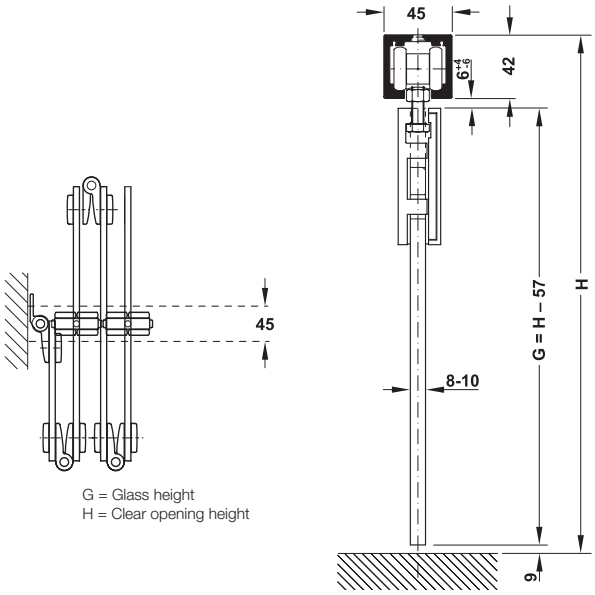
Track			Material	Finish	Length mm	Cat. No.
Running track	Ⓖ		Aluminium	Silver coloured anodized	3,000	946.49.943
					6,000	946.49.946
Bottom guide channel	Ⓗ		Aluminium	Silver coloured anodized	3,000	946.49.833
					6,000	946.49.836

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Folding door fitting Fold 70-R







Features

- For 1.5-leaf to 7.5-leaf folding sliding doors
- For glass thickness: 8 or 10 mm
- Suitable for toughened safety glass and laminated sheet glass
- Mounting glass drilling suspension
- Height adjustable door leaves +4/-6 mm

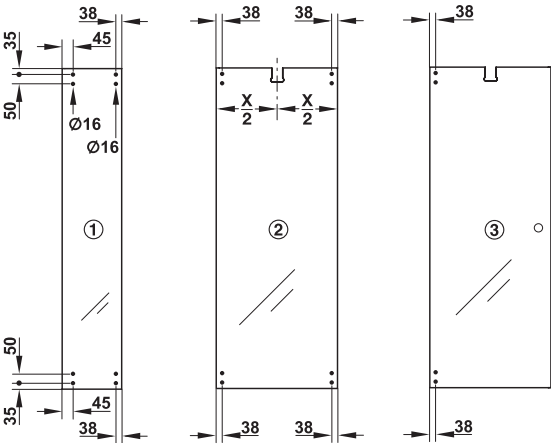
Technical data

- Max. door weight per leaf: 70 kg
- Max. door width: 900 mm
- Max. door height 2,500 mm
- Max. opening width: 6,750 mm

Material/Finish

- Material: Aluminium silver coloured anodized
- Part A–J: Brass chrome plated matt

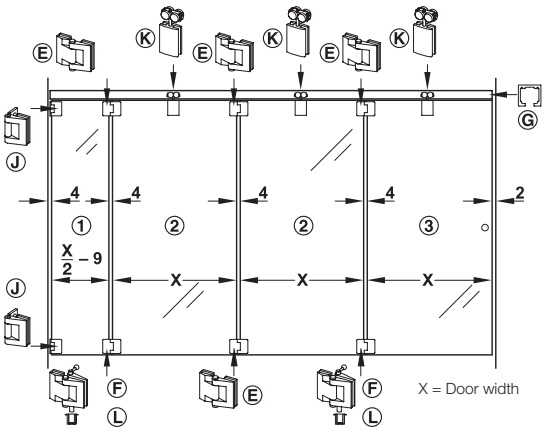
Position and type of fittings



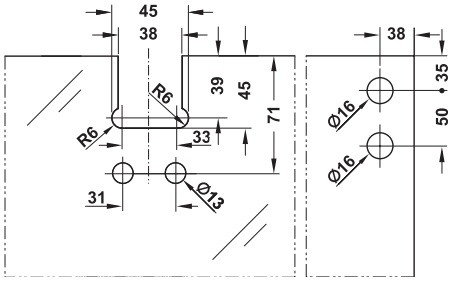
Number of door leaves	Order of fittings
1.5-leaf	① ③
2.5-leaf	① ② ③
3.5-leaf	① ② ② ③
4.5-leaf	① ② ② ② ③
5.5-leaf	① ② ② ② ② ③
6.5-leaf	① ② ② ② ② ② ③
7.5-leaf	① ② ② ② ② ② ② ③

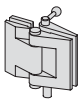
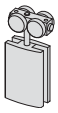
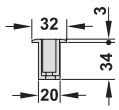
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Example for 3.5-leaf system



Glass preparation details



Quantity for fitting/leaf			1.5-leaf	2.5-leaf	3.5-leaf	4.5-leaf	5.5-leaf	6.5-leaf	7.5-leaf	Cat. No.
Top and bottom hinge for first panel	Ⓙ		2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	946.49.054
Folding hinge without locking	Ⓔ		1 pc.	3 pcs.	4 pcs.	6 pcs.	7 pcs.	9 pcs.	10 pcs.	946.49.074
Bottom hinge with locking bolt	Ⓕ		1 pc.	1 pc.	2 pcs.	2 pcs.	3 pcs.	3 pcs.	4 pcs.	946.49.075
Top sliding hinge	Ⓚ		1 pc.	2 pcs.	3 pcs.	4 pcs.	5 pcs.	6 pcs.	7 pcs.	946.49.080
Floor socket adjustable for hinge F	Ⓛ		1 pc.	1 piece	2 pcs.	2 pcs.	3 pcs.	3 pcs.	4 pcs.	946.49.090
Floor socket adjustable with cover lid for hinge F			1 pc.	1 pc.	2 pcs.	2 pcs.	3 pcs.	3 pcs.	4 pcs.	946.49.091

Order reference

Catalogue numbers refer to 1 piece. Please specify the quantity when ordering parts. If catch is required please order separately.

For article numbers 946.49.090/946.46.091 which are same products please select one article number for order.

Track			Material	Finish	Length mm	Cat. No.
Running track	Ⓖ		Aluminium	Silver coloured anodized	3,000	946.49.943
					6,000	946.49.946

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding louvre door fitting Frontslide 60/A



Ceiling and top wall mounting

Features

- For sliding louvre doors made of wood, metal or aluminium
- For functional facade decoration
- For sun, weather and sight protection
- Quiet running action
- Guide with zero clearance
- Space saving
- With clip-on fascia for inner and outer side
- Sliding louvre doors can be moved individually into any position
- Corrosion resistant

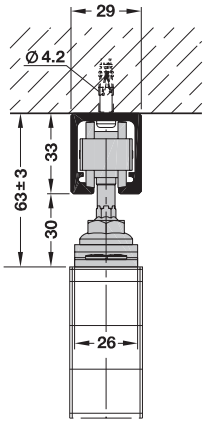
Technical data

- Max. door weight per louvre leaf: 60 kg
- Max. louvre door width: 400 mm
- For louvre door thickness: 28–40 mm

Material/Finish

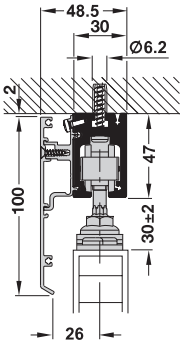
- Running track aluminium silver coloured anodized
- Running gear with plastic wheel

Basic option



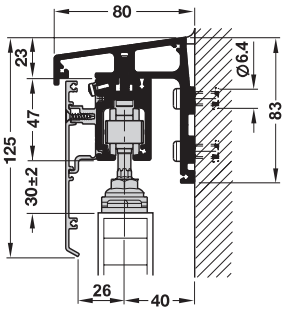
Ceiling and window lintel mounting without fascia

Option 1



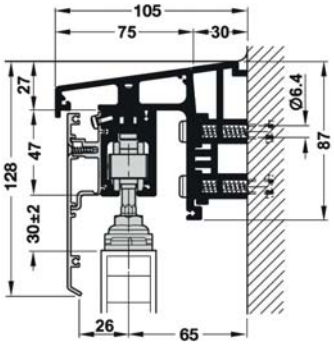
Ceiling and window lintel mounting with fascia on one side

Option 2



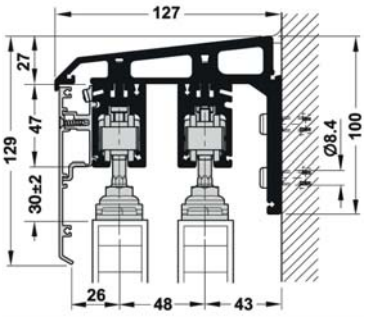
Wall mounting with fascia on one side

Option 3



Wall mounting with larger distance (weather bead)

Option 3a

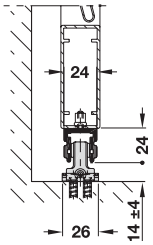


Wall mounting with spacer profile and fascia on one side

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

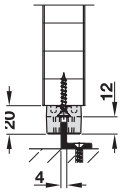
Floor and bottom wall mounting

Option 4



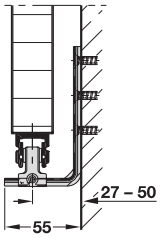
Floor mounting with guide track and floor guide with zero clearance

Option 5



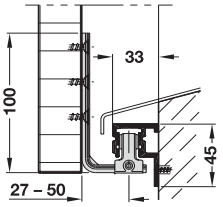
Floor mounting with point guidance and aluminium bracket provided on site

Option 7



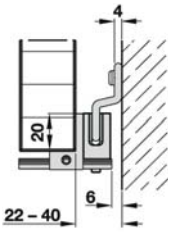
Bottom wall mounting with guide track and wall mounted short guide brackets

Option 9



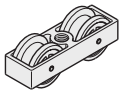
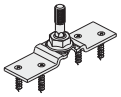
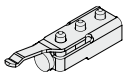
Bottom wall mounting with wall mounted guide track and short guide bracket

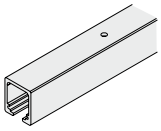
Option 11



Bottom wall mounting with wall mounted Z guide profile and guide with zero clearance

	Cat. No.
Fitting for 1-leaf louvre doors, without running track and guide channel	947.02.001

Set consisting of:			Cat. No.
	Running gear, 2 plastic rollers, M8	2 pcs.	940.62.012
	Suspension bar with suspension screw M8, stainless steel	2 pcs.	940.41.026
	Track buffer with adjustable retainer	2 pcs.	940.62.041

Running track		Suitable for	Length mm	Cat. No.
	Running track, drilled for systems with fascia	Options 1, 2, 3	2,500	947.00.925
			3,500	947.00.935
			6,000	947.00.960
			Manufactured to size	947.00.999
	Running track, drilled for systems without fascia	–	2,000	940.62.920
			4,000	940.62.940
			6,000	940.62.960
			Manufactured to size	940.62.999
	Connecting pins for running tracks and profiles 1 set (6 pieces)	–	–	943.30.092

Note

For firm fixing of running track to angled profile use special mountings screws only. Running tracks and angled support profiles have varying hole distances.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding louvre door fitting Frontslide 60/A-Symmetric



Features

- For symmetrical sliding of louvre doors made of wood, metal or aluminium
- For functional facade decoration
- For sun, weather and sight protection
- Quiet running action
- Guide with zero clearance
- Space saving, corrosion resistant
- With clip-on fascia for inner and outer side
- Sliding louvre doors can be moved individually into any position

Technical data

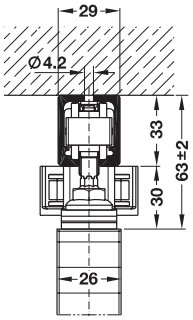
- Max. door weight per louvre leaf: 60 kg
- For louvre door width: 500–1,500 mm
- For louvre door thickness: 28–40 mm

Material/Finish

- Running track aluminium silver coloured anodized
- Running gear with plastic wheel

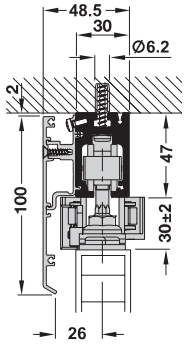
Ceiling and top wall mounting

Basic option



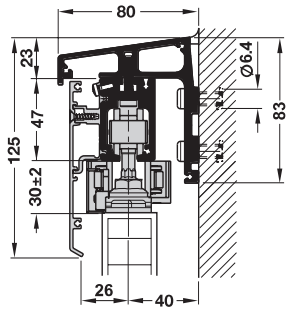
Ceiling and window lintel mounting without fascia

Option 1



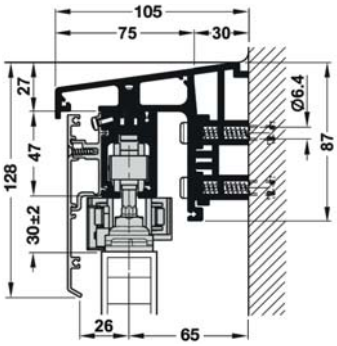
Ceiling and window lintel mounting with fascia on both side

Option 2



Wall mounting with fascia on one side

Option 3



Wall mounting with fascia and distance profile on one side

Toothed belt length calculation

All models: Toothed belt length = system width x 2

	Cat. No.
For 2 sliding louvre doors, without toothed belt	947.00.005

Order reference

Please order running tracks, profiles, fascia, guide tracks and guides separately.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding louvre door fitting Frontslide 60/A-Telescopic



Features

- For sliding louvre doors made of wood, metal or light metal
- For functional facade decoration
- For sun, weather and sight protection
- Quiet running action
- Guide with zero clearance
- Space saving
- With clip-on fascia for inner and outer side
- Different guidance options
- Corrosion resistant

Technical data

- Max. weight per louvre door leaf 60 kg
- For louvre door width 550–1,100 mm
- For louvre door thickness 28–40 mm

Finish

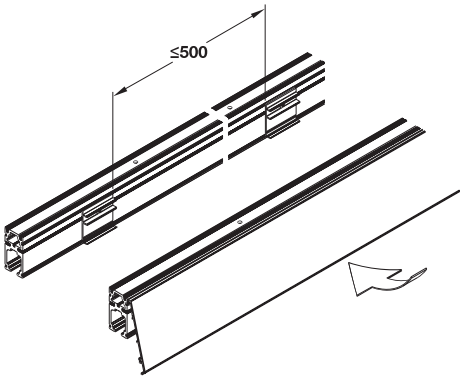
- Running track aluminium silver coloured anodized
- Running gear with plastic wheel

	Cat. No.
For 2 sliding louvre doors (type G, E outside)	947.00.004

Order reference

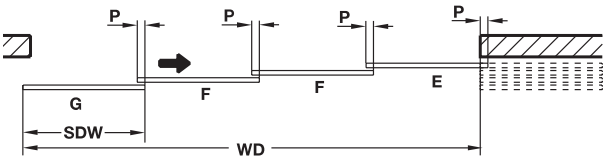
Please order running tracks and fascia separately.

Fascia mounting



For clipping onto inner and outer side

Sliding louvre door width calculation



WD = Wall dimension
SDW = Sliding louvre door width
SDW = WD/ND + P
P = Max. 50 mm
ND = Number of sliding louvre doors
P = Sliding louvre door overlap
G/F/E = Sliding louvre door set

Toothed belt length calculation

All models: Toothed belt length = system width x 2

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding louvre door fitting Frontslide 60/Matic



Ceiling and top wall mounting

Features

- For electrically controlled sliding of louvre doors made of wood, metal or aluminium
- For functional facade decoration
- For sun, weather and sight protection
- Quiet running action, guide with zero clearance
- Maintenance free, space saving
- With clip-on fascia for inner and outer side
- Sliding louvre doors can be moved individually into any position

Technical data

- Max. door weight per louvre leaf: 60 kg
- Max. louvre door width: 600 mm
- For louvre door thickness: 28–40 mm

Material/Finish

- Running track aluminium silver coloured anodized
- Running gear with plastic wheel

Running track length calculation

For Frontslide 60/Matic:

Track length = system width – 115 mm

Toothed belt length calculation

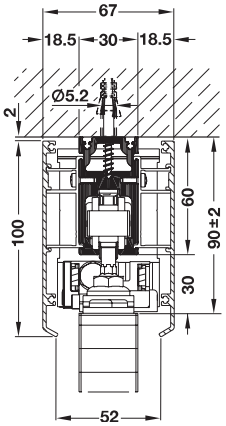
All models: Toothed belt length = system width x 2

	Cat. No.
For 1 sliding louvre door	947.00.000

Order reference

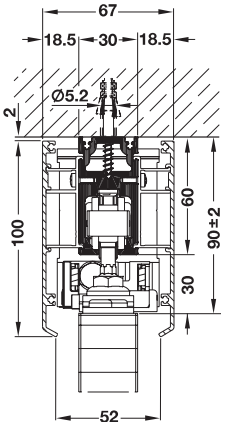
Please order drive, running tracks, profiles, fascia, guide tracks and floor guides separately.

Basic option



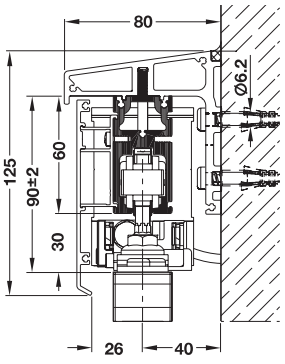
Ceiling and window lintel mounting without fascia

Option 1



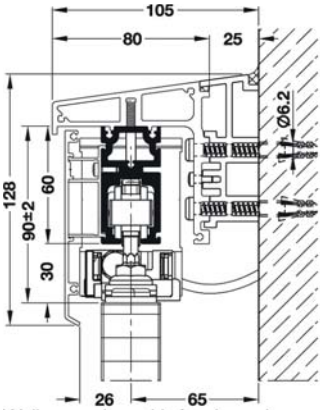
Ceiling and window lintel mounting with fascia on both side

Option 2



Wall mounting with fascia on one side

Option 3



Wall mounting with fascia and distance profile on one side

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

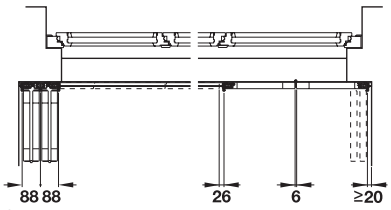
Folding louvre door fitting Frontfold 20



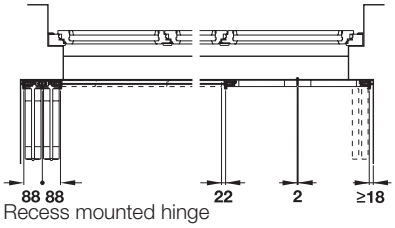
Installation

Folding louvre doors can be mounted in front of windows (louvre shutters) or on the outside of a balcony.
The folded panels can be pushed laterally against a wall or used as free standing screen or wind protection.

Folded panels and gap width

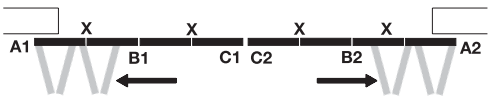


Surface mounted hinge



Recess mounted hinge

Folded panels and gap width



A1	Fixed, folding to the left	A2	Fixed, folding to the right
B1	Centre, folding to the left	B2	Centre, folding to the right

Features

- For sliding and folding of louvre doors made of wood, aluminium or metal
- Suitable for outside use
- Height adjustable ±5 mm
- Quiet running action
- Low wear and tear
- Folded panels pivot-fitted at one side
- Unlimited number of doors

Technical data

- Max. door weight per louvre leaf: 20 kg
- Max. louvre door width: 600 mm
- For louvre door thickness:
  wood 28–36 mm, aluminium/metal 28–32 mm

Material/Finish

- Running track aluminium silver coloured anodized
- Running gear with plastic wheel

Order reference

Please request the quotation with your detailed specifications from our sales department directly.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

All-Glass Sliding System ALUTEC 100



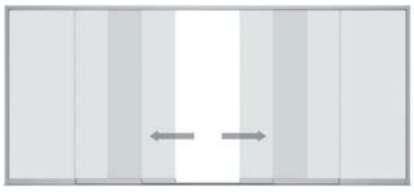
Features

- Floor-mounted sliding system
- Sliding to the left or right as desired
- 15 mm panel construction depth
- With 1-, 2-, 3-, 4- or 5-track slide and guide rail
- Follower function for sliding panel means system is easy to use
- Floor rail with anti-slip coating can be integrated into the floor
- Unobstructed living space
- Internal or external locking of the sliding panels (optional)
- Unpressurised drainage and easy cleaning due to optimum length of rails
- Glazing with toughened safety glass
- Panel structure of 8 or 10 mm
- Powder coating (RAL) or eloxal (EURAS)

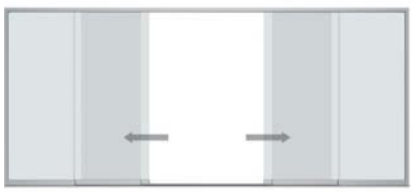


Note

For more information, please contact our sales department directly!



Unlock and slide the opening panel



Easy displacement of the elements by integrated followers



Large opening area with opened elements

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Slide and Turn System ALUTEC 110



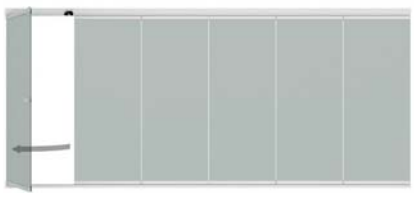
Features

- Low-wear and maintenance-free fittings
- Different bottom tracks
- Pressure-free drainage of bottom track by inclined floor construction
- Catch channel at the inside of the bottom track to drain condensation water and cleaning materials
- Top hung construction with a choice of flush or weathered bottom track options
- Horizontal running mechanism with triple stainless steel ball bearings and carbon fibre-reinforced polyamide wheels
- Inward or outward opening of the panels possible
- Choice of panel partition and sliding direction
- Height compensation of up to 22 mm (+-11 mm)
- Double brush seal with plastic bridge at top and bottom of the glass panels
- Airborne sound insulation up to Rw 34 dB according to DIN EN ISO 140-3
- Glass thickness of 6, 8, 10 mm
- Screwed glazing for effortless future replacement of glass

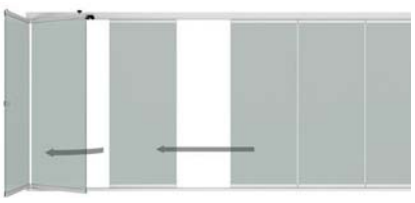


Note

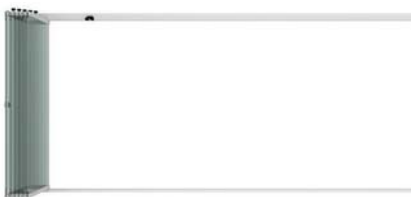
For more information, please contact our sales department directly!



Easy opening by turning knob



Easy sliding and turning of individual elements



Large opening space if elements opened

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding System ALUTEC 120



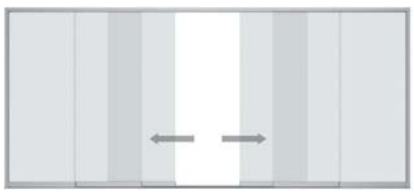
Features

- Non insulated aluminium system
- Floor-mounted sliding system
- Sliding to the left or right as desired
- Narrow exterior views: Frame 50 mm, casement 40 mm, glazing bar 70 mm
- Opening types: 2- or 3-track with up to 6 moving casements
- Max. door casement height: 3,000 mm
- Max. casement weight: 180 kg
- Construction depth: 2-track 65/50 mm, 3-track 115/50 mm
- Glazing thickness of 6–10 mm, 20 mm and 24 mm possible

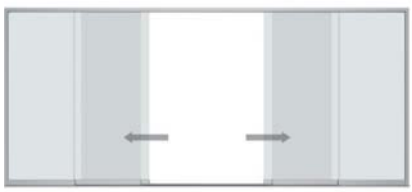


Note

For more information, please contact our sales department directly!



Unlock and slide the opening panel



Easy displacement of the elements by integrated followers



Large opening area with opened elements

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



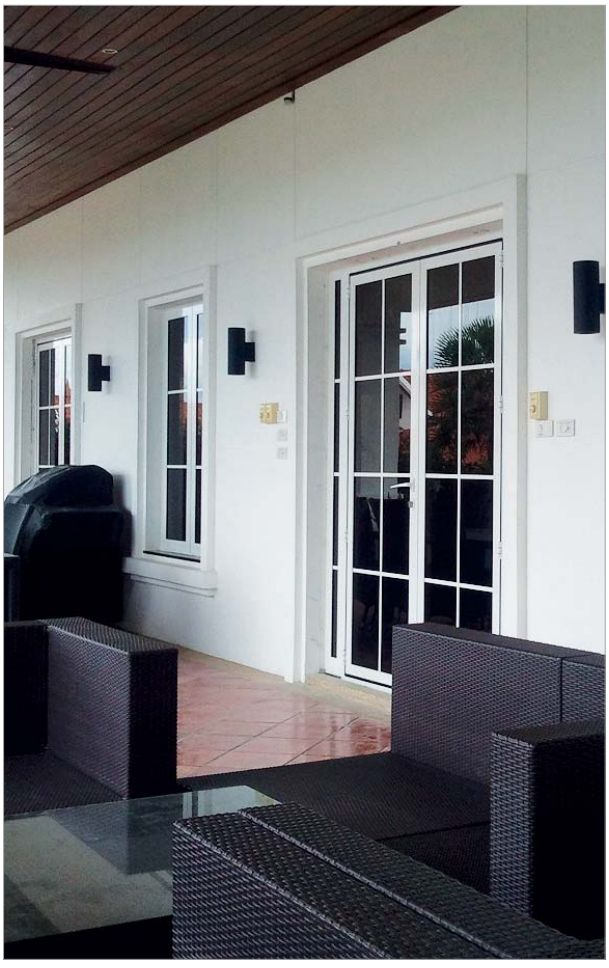
Folding System ALUTEC 130

Folding system ALUTEC 130 can offer large-scale glazing which open and close comfortable by meaning of the interconnected panels - a transparent all-rounder with the guarantee of quality and longevity.

Awning Windows, Casement Windows and Fixed Glazing ALUTEC 140

An awning window is appropriate for many architectural styles with an intriguing appearance when grouped with other window types. It is hinged at the top and opens outwards from the bottom in an upwards swing.

A casement window is the perfect complement to the simplicity of modern design, while also providing maximum ventilation. This type of window is hinged on either side so the sash opens outwards, to the right or left, in a swinging motion.



Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Silent Aluflex 80: A wealth of options for people who want the best!

topCo

Escape the mundane and discover something special:
Unusual inspirations and surprising solutions to your space requirements – the Silent Aluflex 80 can do all of this. Let us tempt you with the ideas on the following pages. Let yourself be swept along by the surprising solutions for kitchens, dining rooms, bathrooms, offices and hallways. Discover new storage space and uses for slopes, recess and stairs that you never even dreamed of!
Make more of your roomes and your furniture – with Silent Aluflex 80!



Design concept: Cabinet wall in living/sleeping area
Silent Aluflex 80 hardware system with 3 doors, double running and guide track, silver coloured anodized frame profile



Design concept: Sliding wall in wellness area
Silent Aluflex 80 hardware system with 4 doors, single running and guide track, silver coloured anodized frame profile



Design concept: Angled sliding wall in bedrooms
Silent Aluflex 80 hardware system for sloping ceilings with 3 doors, double running and guide track, silver coloured anodized frame profile



Design concept: Angled sliding cabinet wall in sleeping area
Silent Aluflex 80 hardware system with 4 doors, single running and guide track, silver coloured anodized frame profile with subdiving bar profiles

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

The convenience that you deserve

topCo

Unique living and operating convenience using well-engineered hardware; Large sliding doors are particularly impressive because of their maximum running safety and gentle, reliable closing – over the course of many years.





It is a question of style

Be it a living room in an old high-ceilinged city building, a cosy country home full of nooks and crannies in an idyllic spot, or a modern building – individual sliding doors that are made to measure for the space that you have available can be installed up to height of 2.5 metres and as wide as you like. The best shape, design and materials for your situation are decided by your own personal lifestyle.



Panel thickness 6, 8 and 10 mm for clip – on profile without compensates for uneven areas on floors and ceilings up to -5/+10 mm

- Internal height: Max 3,000 mm
- Door width: 500–1,500 mm
  Height adjustment: -5/+10 mm on running gear using screw
- Version: Aluminium frame doors for wooden or glass/mirror panels
- Material: Steel running gear and axle, plastic guide rollers
- Running gear: Bottom running, 1 roller, plastic coated ball bearing
- Installation: Aluminium frame and guide track for screw fixing, running track for self adhesive fixing

Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Solutions for various rooms

topCo



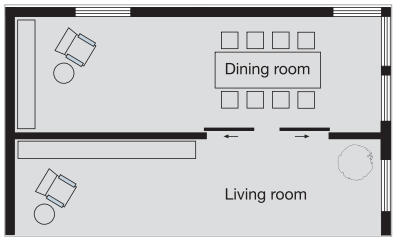
Combination with wooden and glass door



Entrance from bathroom to fitness room



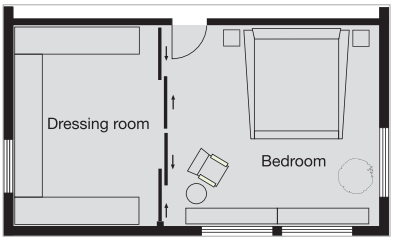
Increase useful for walk in cloth



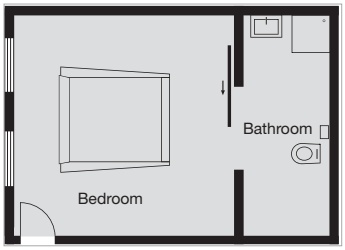
From lobby to boudoir



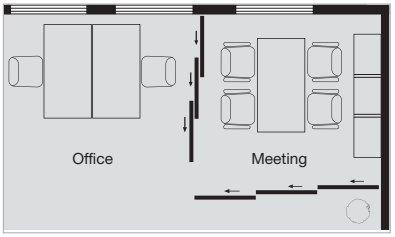
Start the day at your peak



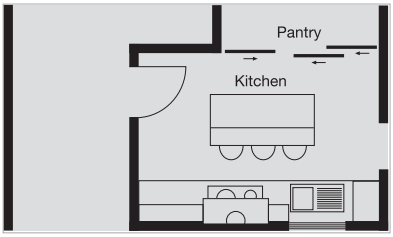
Enjoy the choose of your clothes



For handicapped people



Concentrated creativity



Modern kitchen area



Recees in the floor (option)



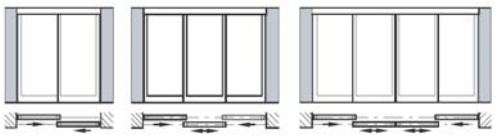
Tripple running and guide track (option)



Heavy duty extension with a high load capacity

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

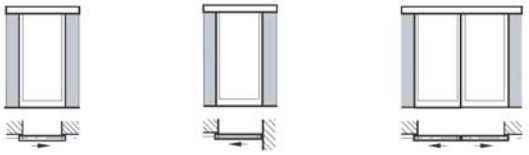
Application Infront for straight ceilings



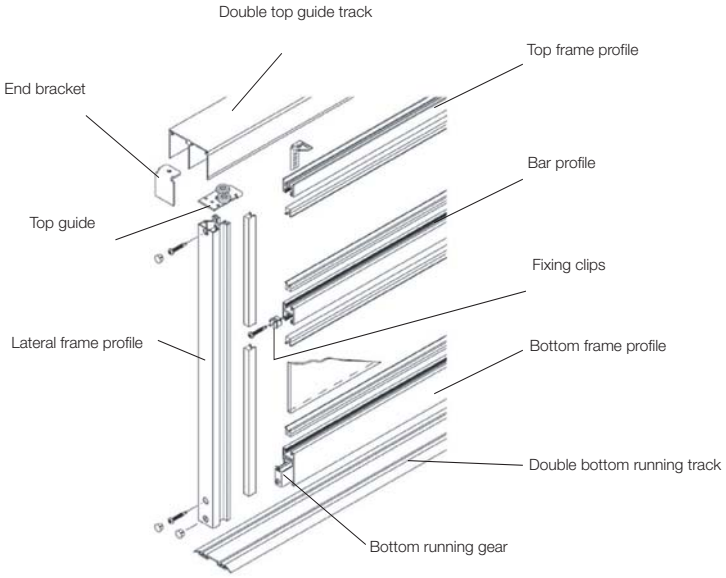
2 doors 3 doors 4 doors

Vorfront for strainght ceilings

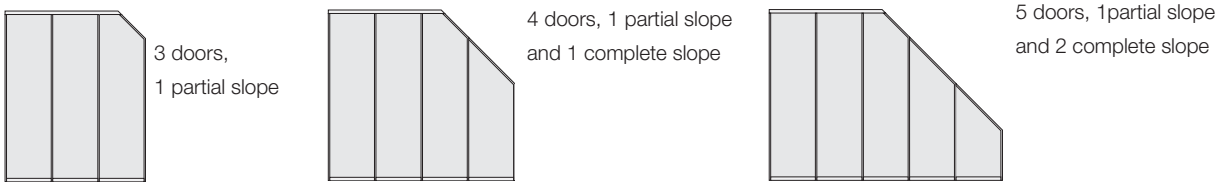
topCo



1 doors 1 doors, Installation in the corner of a room 2 doors



Infront for sloping ceilings

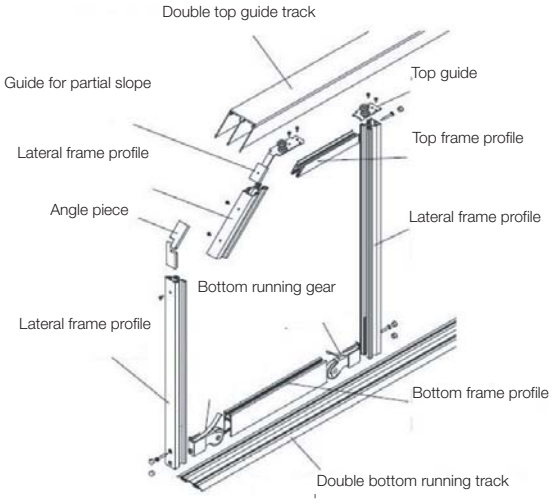


3 doors, 1 partial slope

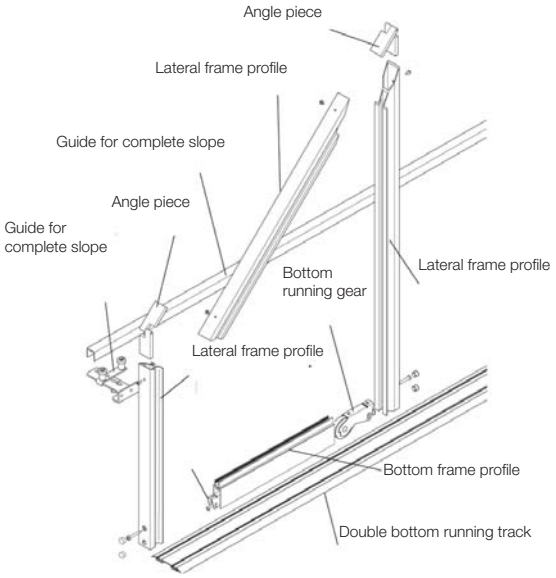
4 doors, 1 partial slope and 1 complete slope

5 doors, 1partial slope and 2 complete slope

Partial slope (Front door or rear door)



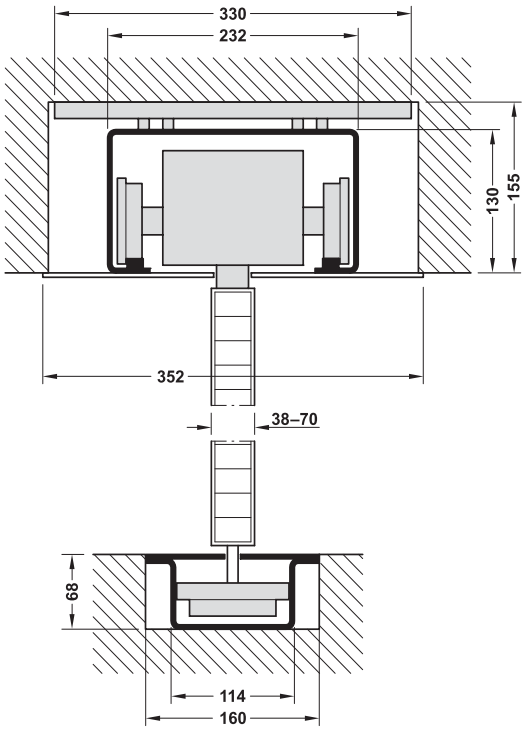
Complete slope (Only rear door)



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding wall Wall 200-T - for wood





Ceiling connection: Running track recess mounted or integrated in suspended ceiling

Features

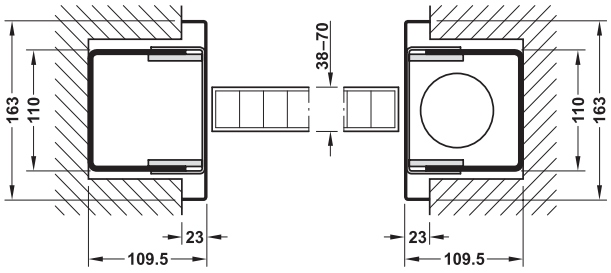
- Suitable for flexible room partitioning or screens with up to 8 doors
- Sliding door height adjustable ±5 mm
- Version: Door panel 90° stackable in running direction, distance from axle to axle of doors in the parking area 160 mm, centric suspension, eccentric suspension on request, number of supension fittings is determined by the system width and door width

Technical data

- For door weights up to 200 kg
- Max. door height: 4,000 mm
- Door width: 750–1,500 mm
- For wood thickness: 38–70 mm

Material/Finish

- Running and guide tracks steel galvanized
- Guide track cover stainless steel brushed



Wall connection Wall connection

	Cat. No.
Wall 200-T, connection with clip-on profile for wood	943.41.005
Track delivery in advance and installation if required	943.41.009

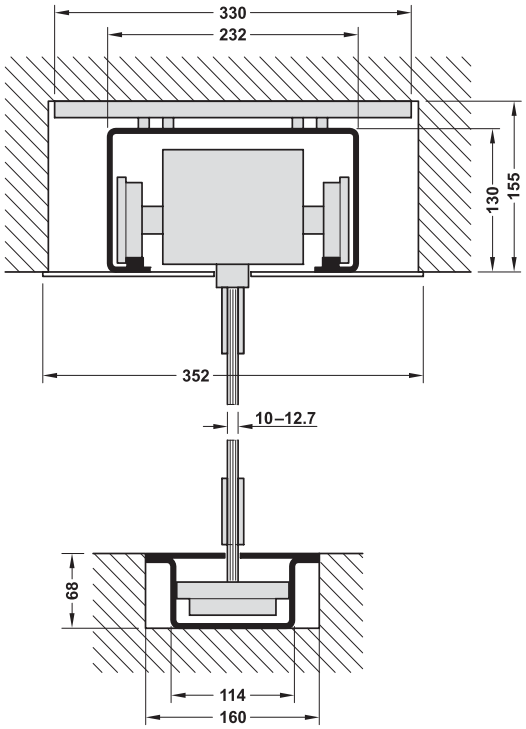
Order reference

Please request the quotation with your detailed specifications from our sales department directly.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding wall Wall 200-T - for glass





Ceiling connection: Running track recess mounted or integrated in suspended ceiling

Features

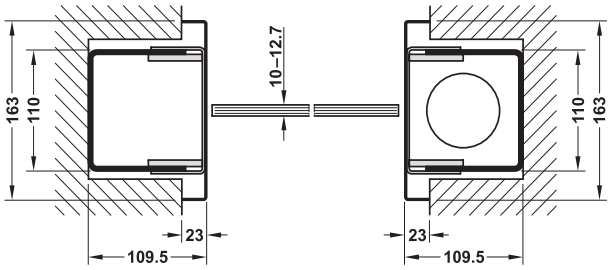
- Suitable for: Tempered safety glass, laminated glass
- Suitable for flexible room partitioning or screens with up to 8 doors
- Sliding door height adjustable ±5 mm
- Version: Door panel 90° stackable in running direction, distance from axle to axle of doors in the parking area 160 mm, centric suspension, eccentric suspension on request, number of supension fittings is determined by the system width and door width

Technical data

- For door weights up to 200 kg
- Max. door height: 4,000 mm
- Door width: 750–1,500 mm, smaller sizes on request
- For glass thickness: 10–12,7 mm

Material/Finish

- Running and guide tracks steel galvanized
- Guide track cover stainless steel brushed



Wall connection

Wall connection

	Cat. No.
Wall 200-T, connection with clip-on profile for glass	943.41.006
Track delivery in advance and installation if required	943.41.009

Order reference

Please request the quotation with your detailed specifications from our sales department directly.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

mono



5

Flexibility with robust simplicity

With the Mono we emphasises the most essential aspects of movable walls: flexibility and the efficient use of space in as simple a form as possible. The single panels form the basis of a robust accordion style folding wall that is very easy to use. The ball bearing trolleys with PVC treads run smoothly and silently along the high-quality aluminium track. This hard-wearing system guarantees easy and silent operation.
The Mono does not require floor guides. Our wall systems aren't only easy to use, they're also easy to assemble. It's easy to install the wall: using clear assembly instructions, the Mono can, in principle, be installed by one person. Of course, you can always call upon one of our experienced assembly teams. The Mono is available in diverse panel widths and many combinations are possible: closure on one side, centre closure or closure on both sides. It's also possible to connect several walls together. The closing post is fitted with a simple lock function. We also offers a heavier lock and a cylinder euro lock. When the wall is completely open, the panels form an attractive partition that takes up very little space

Note

For more information, please contact our sales department directly!

Mono

- Single folding wall
- Choice of several panel widths
- Perfectly easy to operate
- Easy assembly
- Very attractive price
- Large selection of finishes
- Very "space friendly"



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

progress



Budget-friendly flexibility

We put the dynamic use of space within everyone's reach with the Progress. The most important characteristics of this folding wall are ease of operation, compact dimensions and efficient design. Slim construction and a well thought-out, patented hinge system mean that you benefit from great user-friendliness.

Despite its lightweight construction, Progress has the desired stability and an excellent acoustic value (Rw) of 28 or 31 dB. With the Progress, you can quickly and effortlessly make new, comfortable rooms. You can also choose from closure on one side or centre closure. A cylinder euro lock is optional.

Progress

- Double folding wall
- Maximum ease of operation
- Favourable price-quality ratio
- Flat or accordion wall
- Accoustic value (Rw) of 28 or 31 dB

The dB values are measured in accordance with ISO 140 standard, the Rw values are determined in accordance with ISO 717 standard. Test reports are available upon request.



Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

palace 80



Elegance and sound insulation

The Palace 80 has a panel thickness of only 80 mm. This means a minimal loss of space, while retaining excellent acoustic properties. This panel wall's slim design contributes to its ease of handling, still corporating an optimal stability. Because they weigh so little, the panels glide very easily over the track system. And we can also guarantee optimal stability..

Palace 80

- Sound insulation from 36 to 44 dB Rw
- Maximum height 3.05 m
- Stable and self-supporting frame construction
- Enormous flexibility thanks to a broad range of panel



For many types of users, the Palace 80 may very well be the ultimate solution for creating more space and flexibility. This movable wall with a panel thickness of only 80 mm will guarantee an optimal ease of operation with only the slightest loss of space. The favourable cost aspect also makes it an excellent alternative. Furthermore, the Palace 80 proves that a slim construction does not affect the stability and sound insulation. The trolleys of this wall are suspended on metal bearers running horizontally through the panel. The result is a self supporting structure.

Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

palace 110



OUTSTANDING QUALITY

Unlimited possibilities in design

Efficiency and safety, as well as esthetics and stability: that is what the Palace 110 stands for. This robustly executed movable wall satisfies even the toughest requirements.

The Palace 110 makes it much easier to organise your space: a high degree of sound insulation, single or double doors, heights of more than fifteen metres, curved panels if required, semi-automatic operation and a fire resistance rating of more than sixty minutes!

The Palace 110 proves that quality and design can be perfectly integrated. This wall can be adapted to suit every interior design. There are countless possibilities as shape, material, colour, finished edges, corner elements and glass openings. Even curved walls and tracks can be delivered.

The Palace 110 is perfectly suited to create silence, with panels measuring only 110 mm in thickness. Even when this concerns heights of more than 15 metres. Custom solutions are our specialty. In consultation with Häfele, you can determine the parking positions and the lay-out of the track, tailored to your personal requirements. For those who require a product that is extremely easy to operate, our semi-automatically operated movable walls may be the very best solution. Häfele aims to deliver products that are completely tailored to your need.

Palace 110

- Sound insulation of 37 to 57 dB Rw
- Durable and stable metal construction
- Possible heights of more than 15 m
- Optimal flexibility, curved walls and tracks possible
- Available in a fire-resistant model of up to 30 and 60 minutes
- Available in a broad range of finishes
- High-quality track and trolley system
- Semi-automatically operated top and bottom seals possible

Note

For more information, please contact our sales department directly!

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5

Semi-Automatic

More comfortable and convenience it came with semi-automatic operation. The top and bottom pressure seals are controlled by electrical device. Closing or releasing of the adjusting panel shall be controlled electrically by a key-switch positioned on one side of the panel. In order to overcome power failure, we supply an emergency transformer, which can be used when the main transformer of the wall does not able to give 24 V to the wall. With the emergency transformer, panels can be overruled and released. This transformer is not battery operated and needs to be connected with a normal 230 V power main power supply.



Transpalace

- Sound insulation till 44 dB Rw
- Design
- Glass can be replaced separately
- Aluminium profile, available in every RAL colour
- Slim glass available in every colour
- Welded aluminium/steel construction

The most exclusive model in the Palace series is the Transpalace. This sturdy, transparent movable wall has been allow you to retain the transparency, while enjoying what the finished with double-layer safety glass. Transpalace will other Palace walls have to offer, such as a high degree of sound insulation, a stable frame and a beautiful design. The technology has been subtly incorporated behind a thin pane of glass, in the colour of your choice..

Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



Clear options for every space

Movable glass walls offer a variety of applications: in shops, hotels, cafes and restaurants and government, banking and insurance buildings, for instance. The President series makes it easy for you to create privacy, while its transparency and open look and feel will allow the space itself to remain intact. Thanks to its slim construction, this functional and stable wall will take up only a remarkably small amount of space in a parked position.

From shopping-arcade to reception area: the President is stylish and will let in plenty of light. For additional privacy, the glass can be etched, sandblasted or decorated with foil. Your company logo, texts and entire designs can also be added. Because we develops and produces the President series completely under its own management, there's practically no limit when it comes to turning creative ideas into practical solutions. A selection can be made, for instance, between straight and curved, as well as segmented panels. Let your imagination run free and discover, with the help of our consultants, which movable glass wall will be shown to its best advantage in your project!

President

- Completely transparent partition
- Height up to 3.5 m
- Curved segmented models available
- Virtually unlimited choice of options in pattern and design
- High-quality track and trolley system
- Extremely durable clamping construction without drilling the glass
- Profiles and track available in several colours



Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding stacking timber partitions Aperto 60/H HAWA

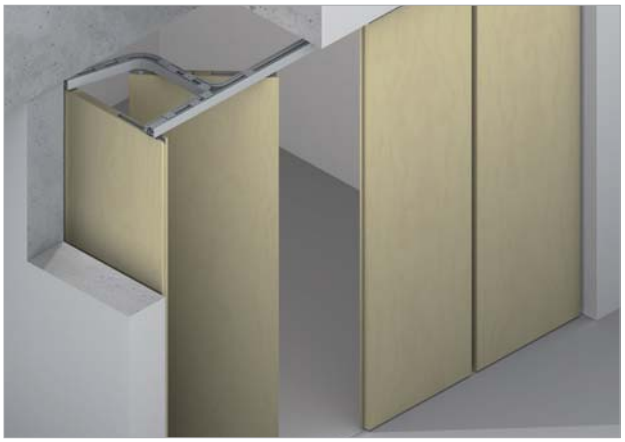




Stacking area:
Elegantly engineered curves



Floor guide:
No level differences



Stacking at 90° to the side axis

Features

- Top hung system for light weight timber partitions up to 9 panels with an overall opening width up to 8,500 mm
- Minimal stacking area space
- Impractical designs such as partitions from a counter top to ceiling are possible
- Ideal for most residential and commercial partitions

Technical data

- For panel thickness: 35–50 mm
- Panel width: 550–950 mm, panel height: 2,600 mm
- Max. panel weight: 60 kg
- Vertical adjustment +/- 3 mm

Material/Finish

- Top track, bottom guide channel: Aluminium anodized satin



Stacking parallel to the side axis

Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding stacking timber partitions Variotec 150/H HAWA





Features

- For large timber partition panels
- High performance track curves gives complete freedom design
- Huge range of panel layout configurations
- Great felexibility in parking area designs
- Enabling the use of all available opening spaceto be maximised
- Parallel and perpendicular stacking arrangements are possible

Technical data

- Min. panel thickness: 40 mm (with integral brush seals 50 mm)
- Panel width: 1,000 mm
- Max. panel weight: 150 kg
- Vertical adjustement +6/-3

Material/Finish

- Top track, bottom guide channel: Aluminium anodized satin

Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding stacking glass partitions Aperto 60/GL HAWA





Stacking at 90° to the side axis



Stacking parallel to the side axis

Features

- Top hung system for lighter weight fully glazed full height room partitions
- Allows a completely flush partition
- Minimal stacking area space
- Impractical designs, such as partitions from a counter top to ceiling
- For most residential and commercial floor to ceiling partitions

Technical data

- Min. glass thickness: 8 and 10 mm (toughened safety glass)
- Max. panel weight: 60 kg, max. panel height: 2,600 mm
- Vertical adjustement +/-3
- Min. panel width: 500 mm
- Max. panel width for:
  Stacking 90°, sliding or pivot door 950 mm
  Stacking parallel, sliding door 1,100 mm
  Stacking parallel, pivot door 1,200 mm

Material/Finish

- Top track, bottom guide channel: Aluminium anodized satin

Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding stacking glass partitions Variotec 150/GV HAWA





Features

- For large glazed partition panels
- Providing of complete solutions for room devision and separation
- Complete freedom of design
- Huge range of panel layout configurations
- Great flexibility in parking area design
- State of the art two point suspension trolley hangers allow glazed panels to be moved extremely quietly and smoothly along tracks

Technical data

- Glass thickness: 10 and 12 mm
- Max. panel width: 1,000 mm
- Max. panel height: 3,500 mm
- Max. panel weight: 150 kg
- Vertical adjustement +6/-3

Material/Finish

- Top track, bottom guide channel: Aluminium anodized satin
- Horiz. glass suspension, retainer profiles: Aluminium anodized



Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding stacking frameless glass partitions Cornertec 150/GV HAWA





Small corner suspension points replace the need for full width suspension profiles

Features

- For large frameless glass partitions incorporating corner suspension patch fittings
- Visualy appealing system for aesthetically desirable benefits of frameless glass
- Easy integration of cover plates in existing applications and into new build projects
- Exceptionally smooth and quiet cornering and general operation of top track and channel curves

Technical data

- Glass thickness: 10 and 12 mm
- Max. panel height: 3,500 mm
- Max. panel weights: 100 and 150 kg respectively
- Vertical adjustement +6/-3

Material/Finish

- Top track, bottom guide channel: Aluminium anodized satin

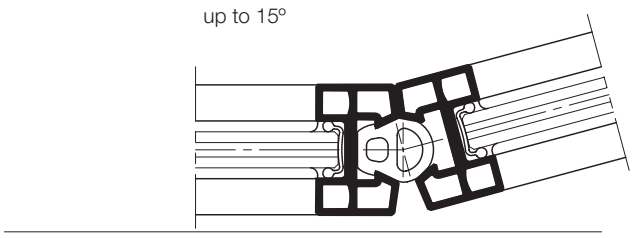
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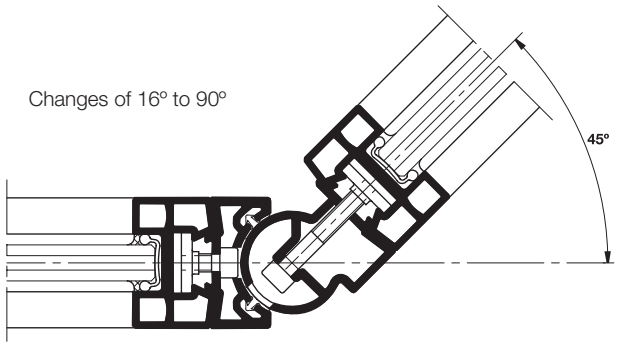
For more information, please contact our sales department directly!

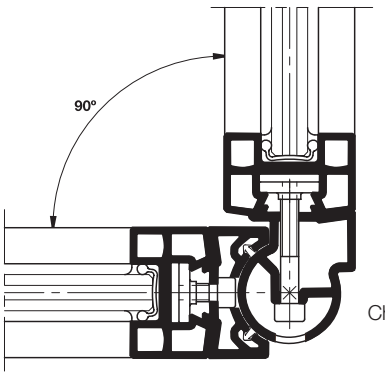
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding stacking tall glass panels Variotec 150/GR Frame profile HAWA









Changes of direction

Features

- Frame profile for all-glass sliding walls
- Enhance rigidity for tall glass structures
- Slimline design meets highest aesthetic requirements
- For thoughened safety or laminated glass panels
- Installation with curved tracks are possible
- Changes in direction between 16° and 90°

Technical data

- Max. glass thickness:
  Toughened safety glass 10, 12 and 12.7 mm
  Laminated safety glass up to 13 mm
- Max. panel height: 3,500 mm
- Max. panel weight: 150 kg

Material/Finish

- Top track, bottom guide channel: Aluminium anodized satin

Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding folding frameless glass partition Variofold 80/GV HAWA





Examples of panel sets



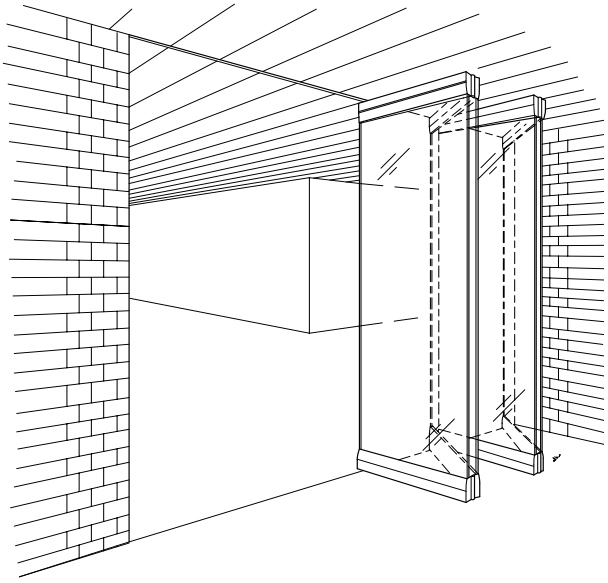
Set for 2-leaf unit



Set for 4-leaf unit



Set for 6-leaf unit



Features

- For 2-, 4- and 6-leaf top hung folding frameless glass doors
- Single pivot doors permitted

Technical data

- For glass thickness:
  Toughened safety glass: 10,12 or 12.7 mm,
  Laminated safety glass: 10.6–11.8 mm
- Min. door width: 400 mm
- Max. door width: 900 mm
- Max. door height: 2,600 mm
- Max. door weight per leaf: 80 kg

Material/Finish

- Top track: Aluminium silver anodized
- Bottom channel: Aluminium or brass

Note

Top track can not be curved. First door is pivoted and end capped.
2 door suits may be installed without bottom channel.

Note

For more information, please contact our sales department directly!

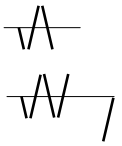
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding folding frameless glass partition Centrefold 80/GV HAWA

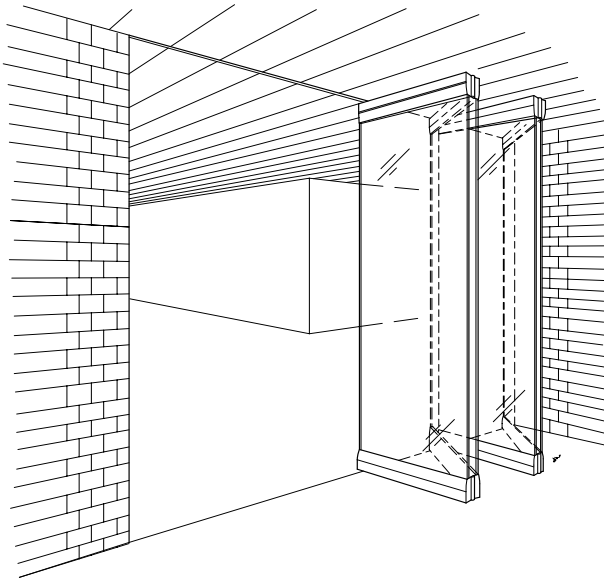




Examples of panel sets



Set for 2½-leaf unit
Set for 3½-leaf unit



Features

- To suit centre fold configuration for up to 5½ glass panels
- Single pivot doors from opposite jamb as no access doors permitted

Technical data

- For glass thickness:
  Toughened safety glass: 10,12 or 12.7 mm,
  Laminated safety glass: 10.6–11.8 mm
- Min. door width: 400 mm
- Min. door width: 900 mm
- Max. door height: 2,600 mm
- Max. door weight per leaf: 80 kg

Material/Finish

- Top track: Aluminium silver anodized
- Bottom channel: Aluminium or brass

Note

Top track can not be curved. Door suits up to 2½ panels may operated without bottom channel. Technical details and options as for Variofold 80/G system.

Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door drive Classic 80-B eDrive/80-B eDrive Synchrony SLIDO





Features

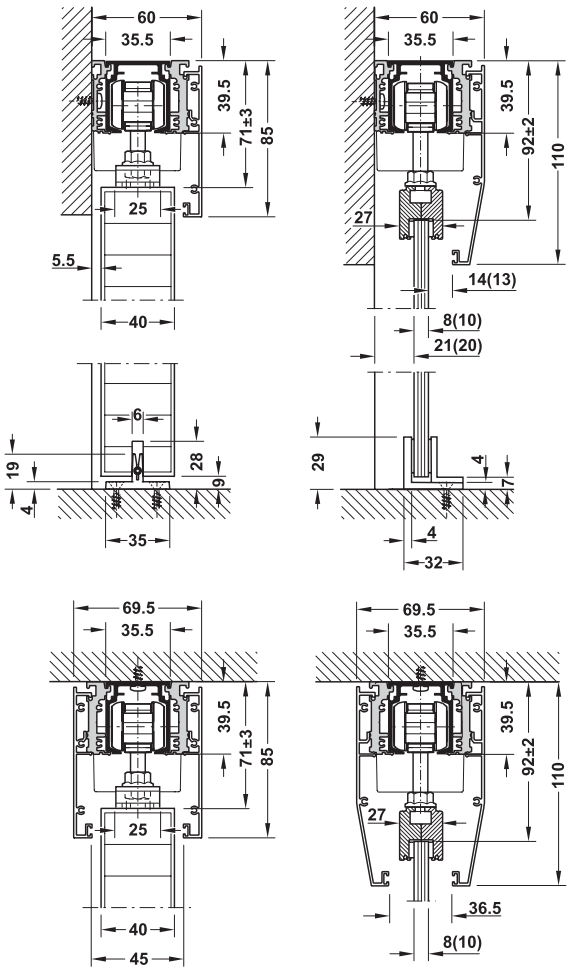
- For moving 1 or 2-leaf sliding doors in residential and commercial areas
- Wear and tear free, smooth running DC motor, obstacle detection, self-learning capability of end points, max. 100 cycles per day
- Installation: Wall mounting, recessed in wall and ceiling installation, screw fixing with wooden door, clamp connection with glass door

Technical data

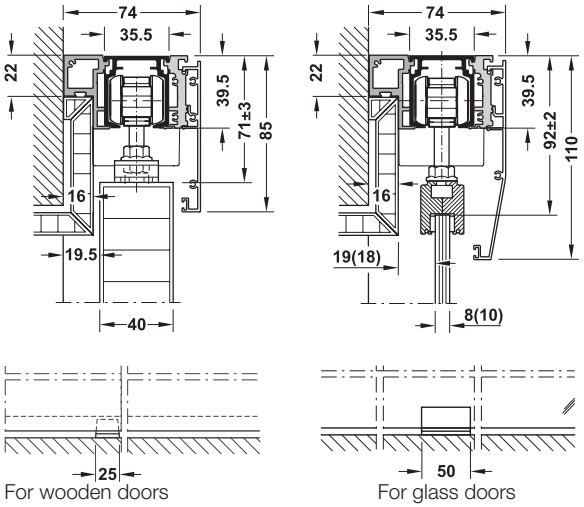
- Max. leaf weight: 80 kg 1-leaf, (2 x 40 kg 2-leaf)
- Min. door width: 500 mm
- Thickness of wooden door: 30–40 mm
- Thickness of tempered safety glass: 8 or 10 mm
- Motor: 24 V DC
- Opening/closing speed 0.3 m/s (variably adjustable)
- Voltage supply: 230 V/50 Hz

5

Ceiling installation and wall mounting



Frame solution

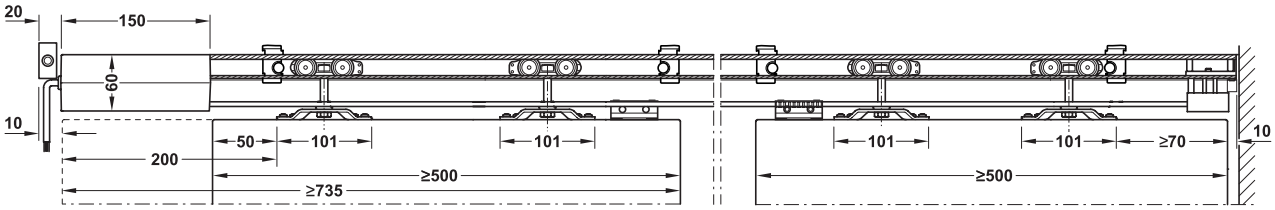


For wooden doors

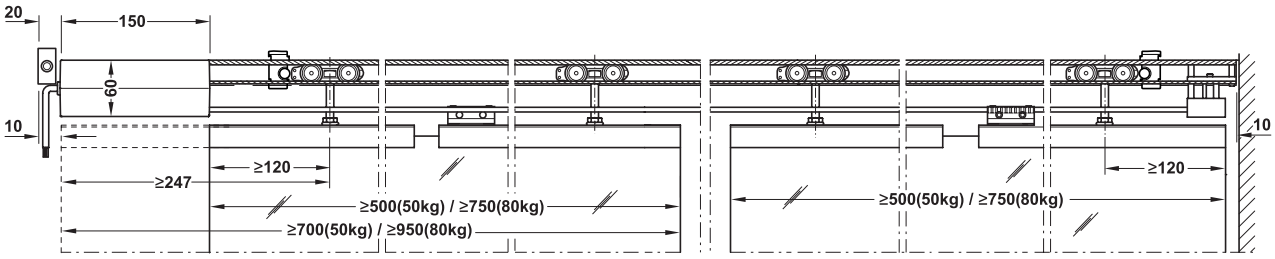
For glass doors

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Section running gears and track



For wooden doors



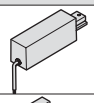
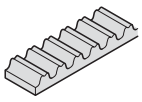
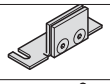
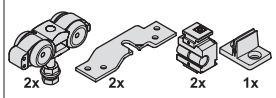
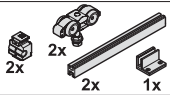
For glass doors

1 Set sliding door drive assembly	For	Max. door weight kg	Cat. No.
Sliding door drive with sliding door fitting and toothed belt, for 1-leaf sliding doors, without running track	Wooden doors	80	940.97.108
	Glass doors	80	940.97.109
		50	940.97.110

Order reference

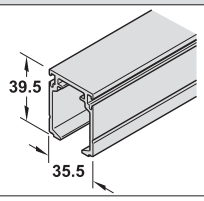
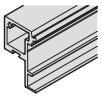
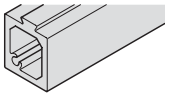
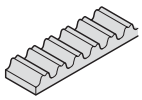
Please order running track, adapter profile and clip panel separately. Please order toothed belt for door width min.1450 mm separately.

Please order wall support profile for wall mounting and Classic 80-B eDrive Synchro set for 2-leaf doors symmetrically opening separately.

Set consisting of		Length mm	For 1 door		
			Wood 80 kg	Glass 80 kg	Glass 50 kg
	Motor unit with control and power supply unit 220V	–	1 pc.	1 pc.	1 pc.
	Adapter piece for covering front face at drive end	15	1 pc.	1 pc.	1 pc.
	Toothed belt with steel cord, width 10 mm, for max. door width 1,450 mm	6,000	1 pc.	1 pc.	1 pc.
	Toothed belt clamp	–	1 pc.	1 pc.	1 pc.
	Deflection unity	–	1 pc.	1 pc.	1 pc.
	Running gears, support flanges, stop and floor guide	–	1 pc.	–	–
	Running gears, glass clamps, stop and floor guide	–	–	1 pc.	1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door drive Classic 80-B eDrive/80-B eDrive Synchrony SLIDO

Track and accessories		Material	Finish	Length mm	Cat. No.
	Running track	Aluminium	Silver coloured anodized	2,000	940.97.722
				3,000	940.97.732
				4,000	940.97.742
	Wall support profile, distance 5 mm	Aluminium	Silver coloured anodized	2,000	940.97.520
				3,000	940.97.530
				4,000	940.97.540
	Wall support profile, distance 15.5 mm	Aluminium	Silver coloured anodized	2,000	940.97.521
				3,000	940.97.531
				4,000	940.97.541
	Adapter piece for covering the front edge at the drive end	Aluminium	Silver coloured anodized	15	940.97.068
	Adapter profile, distance 13 mm	Aluminium	Silver coloured anodized	2,000	940.97.320
				3,000	940.97.330
				4,000	940.97.340
	Frame/wall profile, distance 19.5 mm	Aluminium	Silver coloured anodized	2,000	940.97.220
				3,000	940.97.230
	Frame/panel profile, distance 16 mm	Aluminium	Silver coloured anodized	2,000	940.97.211
				3,000	940.97.221
	Clip panel, for wooden doors, height 82 mm	Aluminium	Silver coloured anodized	2,000	940.97.420
				3,000	940.97.430
				4,000	940.97.440
	End caps (1 pair), for wall mounting, for clip panel height 82 mm	Aluminium	Silver coloured anodized	–	940.97.094
	Clip panel, for glass doors, height 105 mm	Aluminium	Silver coloured anodized	2,000	940.97.422
				3,000	940.97.432
				4,000	940.97.442
	End caps (1 pair), for wall mounting, for clip panel height 105 mm	Aluminium	Silver coloured anodized	–	940.97.067
	Toothed belt with steel cord, width 10 mm length = 2x track lengt + 200 mm	–	–	Manufactured to size	940.97.099

Order reference

Other running track lengths, clip panels and end caps in stainless steel coloured anodized available on request.

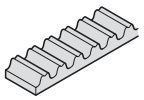
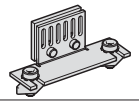
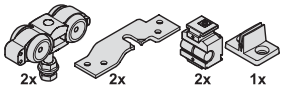
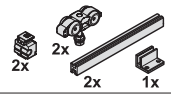
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

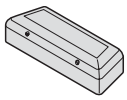
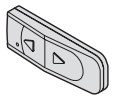
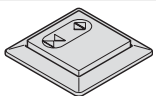
1 Set sliding door drive assembly	For	Max. door weight kg	Cat. No.
Supplementary kit incl. sliding door fitting, toothed belt and 1 follower, for second door of 2-leaf sliding doors, without running track	Wooden doors	2 x 40	940.97.120
	Glass doors	2 x 40	940.97.121
		2 x 25	940.97.122

Order reference

Classic 80-B eDrive set is mandatory for 2-leaf symmetrically opening doors.

Please order toothed belt for min. door width 1,450 mm separately.

Set consisting of		Length mm	For 1 door		
			Wood 80 kg	Glass 80 kg	Glass 50 kg
	Toothed belt with steel cord, width 10 mm, for max. door width 1,450 mm	6,000	1 pc.	1 pc.	1 pc.
	Follower	–	1 pc.	1 pc.	1 pc.
	Running gears, support flanges, stop and floor guide	–	1 pc.	–	–
	Running gears, glass clamps, stop and floor guide	–	–	1 pc.	1 pc.

Accessories		Material	Finish	Cat. No.
	Radar motion detector	Plastic	White	940.97.089
			Silver coloured	940.97.095
	1-channel hand transmitter, for 1-leaf sliding doors or 2-leaf synchronously sliding doors	Plastic	White	940.97.097
	Remote control push button switch, without frame, can be retrofitted	Plastic	White	940.97.098

Order reference

Remote control push button switch (940.97.098) is mandatory when using the 1-channel hand transmitter.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door drive ECdrive GEZE





Uncompromisingly reliably

The GEZE ECdrive series offers reliable and cost-effective automatic door drives.
This drive is perfectly suited for heavily frequented door areas. Thanks to the low wear of the high-quality rollers and the self-cleaning roller carriage, the automatic sliding door moves particularly quietly. The use of state-of-the-art control technology ensures high accessibility comfort and safety.
The ECdrive is type-tested and certified in accordance with DIN 18650.

The ECdrive offers high versatility

GEZE offers the right door drive for every application. The unifying feature of all our products is the GEZE quality standard:

- In the FR-variations, this model is approved for use in escape routes
- Door leaf weight up to 120 kg
- Passage width up to 3 m



Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door drive Slimdrive GEZE



The extremely low construction height allows you to integrate these drives almost invisibly into your facades. The state-ofthe-art drive vanishes completely and makes way for transparency and aesthetics. The Slimdrive can be used for wide and high openings.

A low-wear high-performance motor drives a virtually silent running gear and is type-tested and certified according to DIN 18650. Thanks to the combination with the Slimdrive integrated all-glass system (IGG), the transparency of an all-glass facade can be realised consistently – also in the entrance area.

Versatility on a small space

- Suitable for use in escape routes
- Door leaf height up to 3 m
- Door leaf weight up to 125 kg

Reduction means perfection

Thanks to a construction height of only 7 cm, this system blends in to your room concept almost invisible.
Unique and versatile for use in sliding doors.





Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door drive Powerdrive GEZE



Powerful safety

The power horse amongst automatic sliding doors leaves nothing to be desired. Safety and comfort even with heavy doors are the trademark of the Powerdrive series. The self-cleaning roller carriages ensure a low-maintenance and silent application.
The Powerdrive is type-tested and certified in accordance with DIN 18650.



The Powerdrive moves even the heaviest doors

- Door leaf weight up to 200 kg (for FR-models up to 160 kg)
- Passage width up to 3 m
- Massive carriage with three-dimensional door leaf adjustment
- Approved for use in escape routes

Note

For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Overview automatic sliding door system GEZE

	ECdrive	Slimdrive SL NT	Powerdrive PL
Product features			
Dimensions (height x depth) mm	120 x 175	70 x 190	200 x 185
Opening width 1-leaf mm	700 – 3,000	700 – 3,000	700 – 3,000
Opening width 2-leaf mm	900 – 3,000	900 – 3,000	800 – 3,000
Max. leaf weight 1-leaf kg	120	125	200 *
Max. leaf weight 2-leaf kg	2 x 120	2 x 125	2 x 180 * /200 **
Max. opening and closing speed m/s	0.8	0.8	0.8
Variants * **			
Automatic sliding doors (standard)	Available	Available	Available
Emergency exit routes (FR)	Available	Available	Available

* Max. 160 kg for FR variation

** If needed opening and hold-open times will be increased.

*** For further variants, please don't hesitate to contact our sales representatives directly.

Note
For more information, please contact our sales department directly!

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

6 Glass Door Fittings



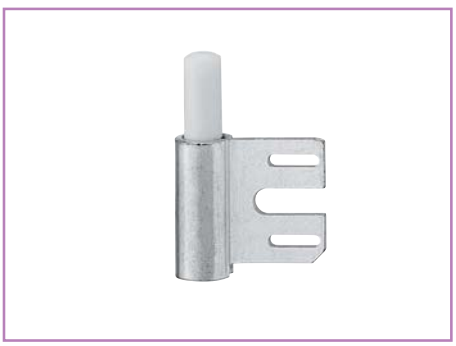














Patch fittings





Patch fitting standard type 6.4

Patch fitting tubular type 6.26

Double action spring hinge 6.29

Glass door fitting for hinged doors 6.30

Frame part 6.48

Weld-on/screw-on pocket 6.51

Glass door accessories





Striking plate 6.53

WC thumbturn cylinder 6.53

Lever handles 6.54

Spindle, split 6.56

Adapter for lever handle aperture part 6.56

Self-adhesive profile for glass panel 6.56

Slide-on door bolt 6.57

Door catch 6.57

Door handle 6.58

Flush pull handle 6.59

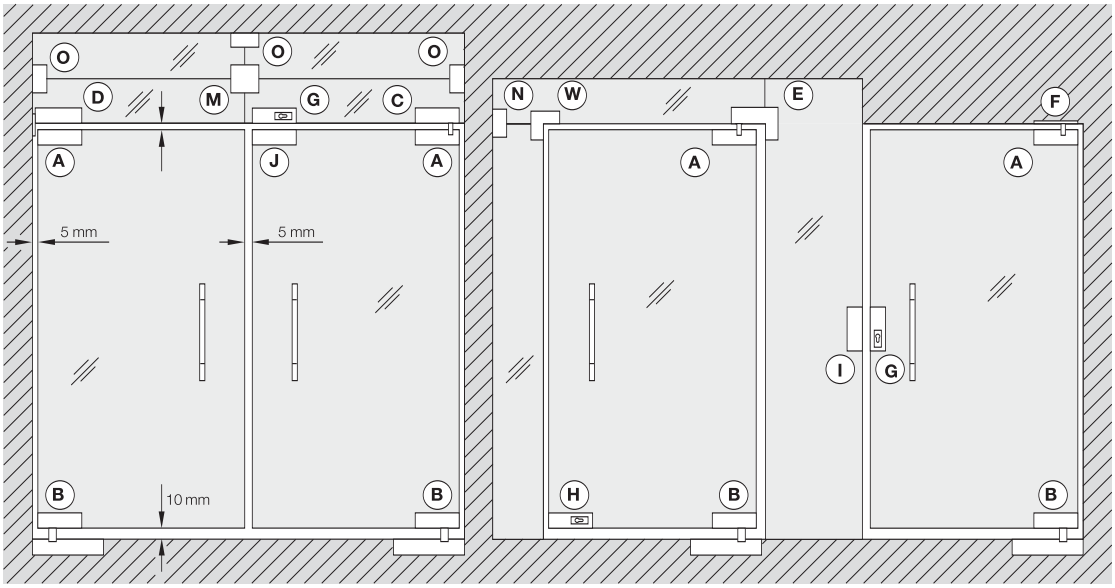
Automatic glass door seal 6.59

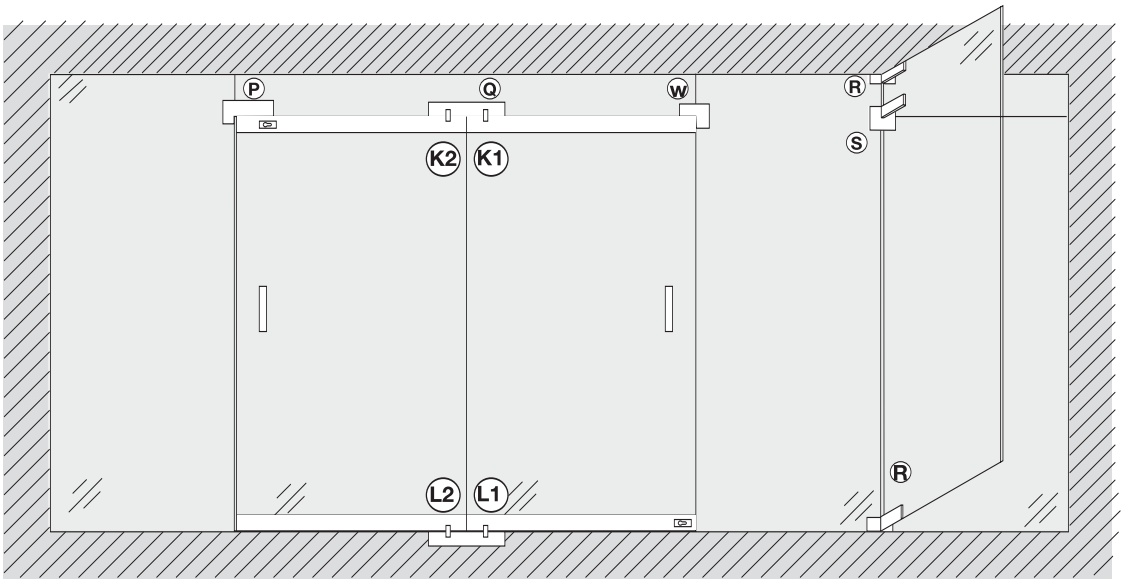
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

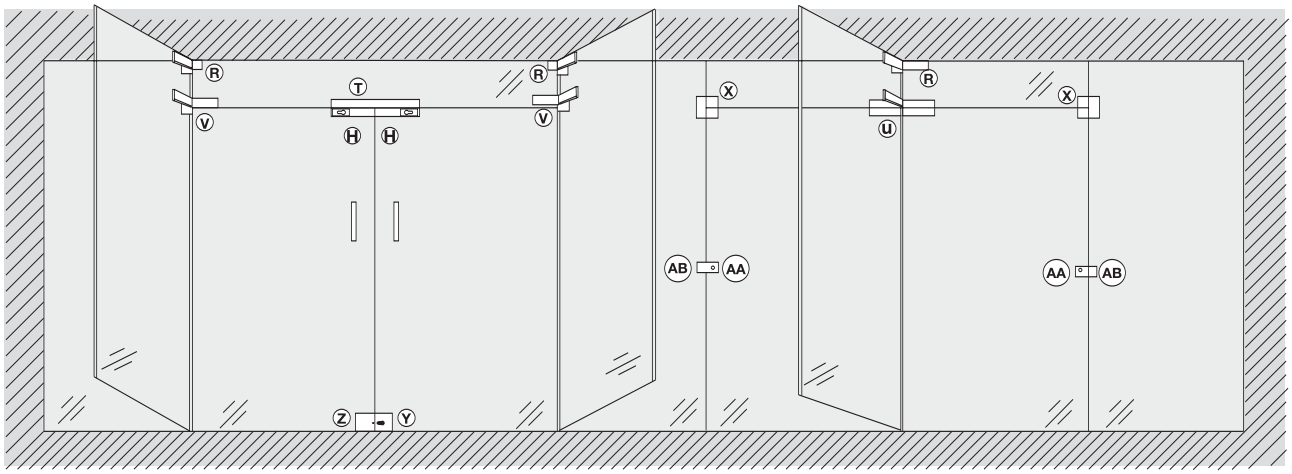


We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Patch fittings standard type StarTec





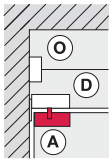


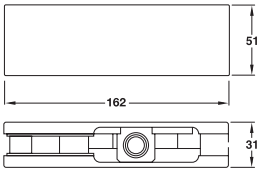
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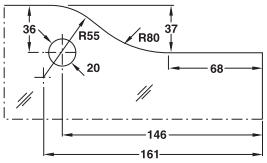
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓐ **Patch fitting** StarTec









Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand
- For double action doors

Technical data

- Max. door weight: 80 kg
- Max. door leaf width: 1,100 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

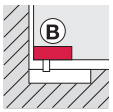
Supplied with

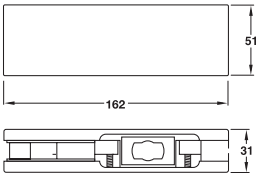
1 Top patch fitting for double action doors
2 Allen keys SW 2 and 5
1 Additional gasket for glass thickness 10 mm

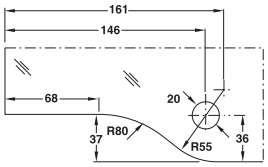
Material/finish	Cat. No.
Stainless steel matt (304)	981.00.010
Stainless steel polished (304)	981.00.011

Ⓑ **Bottom patch fitting** StarTec









Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand
- For double action doors

Technical data

- Max. door weight: 80 kg
- Max. door leaf width: 1,100 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws
- For mounting the glass door, a door spring must be ordered separately

Supplied with

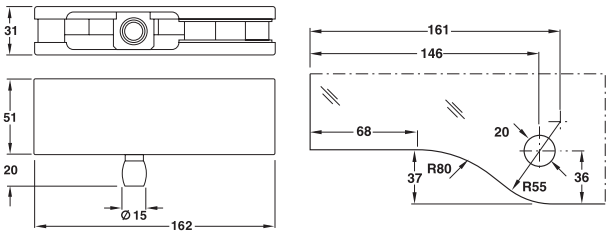
1 Bottom patch fitting for double action doors
2 Allen keys SW 2 and 5
1 Additional gasket for glass thickness 10 mm

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.000
Stainless steel polished (304)	981.00.001

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓒ Fanlight pivot patch fitting StarTec





Features

- Counter bearing for top patch fitting
- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand

Technical data

- Pivot laterally adjustable ±3 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

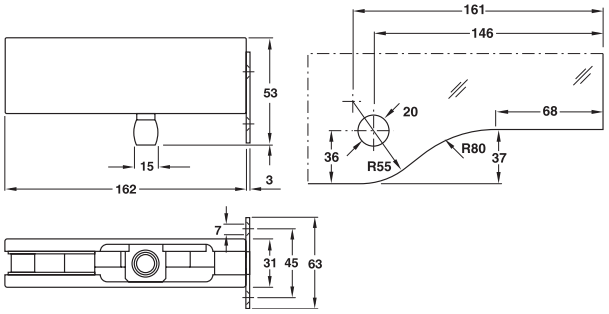
Supplied with

1 Fanlight pivot patch fitting
2 Allen keys SW 2 and 5
1 Additional gasket for glass thickness 10 mm

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.020
Stainless steel polished (304)	981.00.021

Ⓓ Fanlight pivot patch fitting with wall fixing plate StarTec





Features

- Counter bearing for top patch fitting
- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand

Technical data

- Pivot laterally adjustable ±3 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

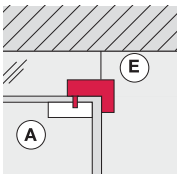
1 Fanlight pivot patch fitting with wall fixing plate
2 Allen keys SW 2 and 5
1 Additional gasket for glass thickness 10 mm
Fixing material

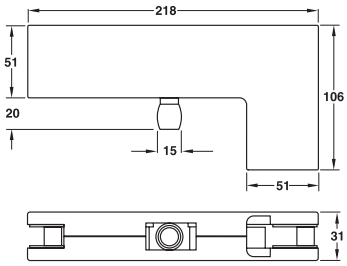
Material/finish	Cat. No.
Stainless steel matt (304)	981.00.110
Stainless steel polished (304)	981.00.111

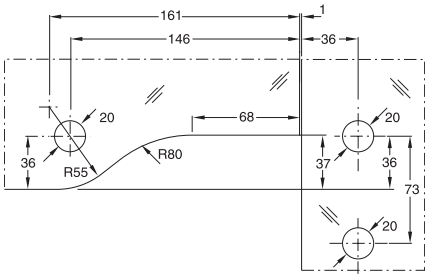
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓔ **Fanlight/side panel pivot patch fitting** StarTec









Features

- Counter bearing for top patch fitting
- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand

Technical data

- Pivot laterally adjustable ±3 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Fanlight/side panel pivot patch fitting

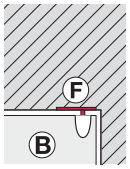
2 Allen keys SW 2 and 5

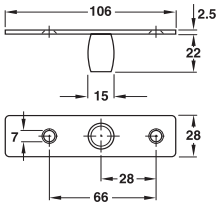
1 Additional gasket for glass thickness 10 mm

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.030
Stainless steel polished (304)	981.00.031

Ⓕ **Ceiling bearing** StarTec







Features

- Counter bearing for top patch fitting
- Suitable for DIN left hand and DIN right hand

Installation

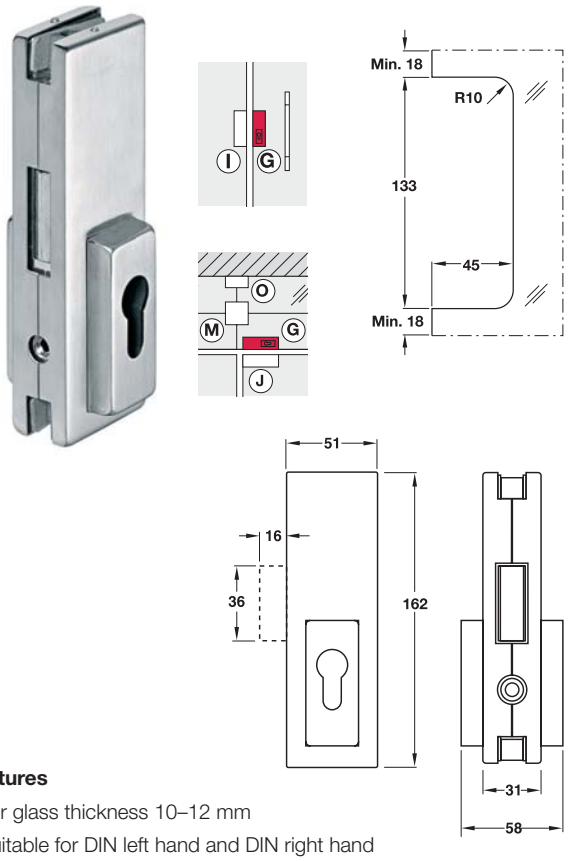
- Screw fixing

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.080

6

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓖ Centre patch lock with PC aperture StarTec



Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand
- For profile cylinders (please order separately
- Bolt 1-turn

Installation

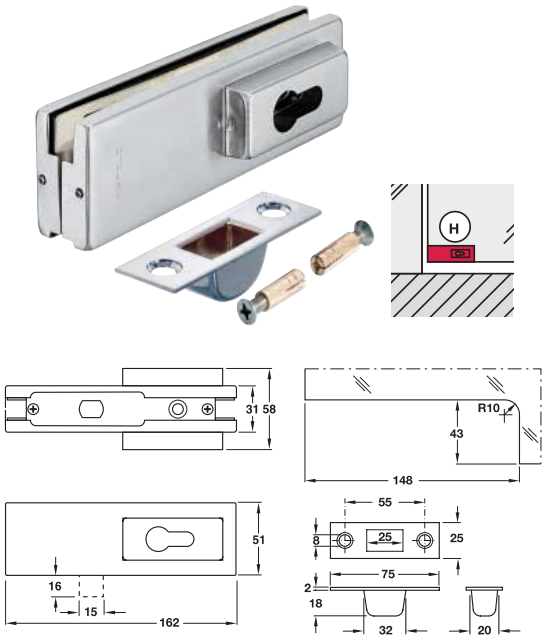
- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Centre patch lock with PC aperture
2 Allen keys SW 2 and 5
1 Fixing screw for profile cylinder
1 Additional gasket for glass thickness 10 mm

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.410
Stainless steel polished (304)	981.00.411

Ⓗ Corner patch lock with PC aperture StarTec



Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand
- For profile cylinders (please order separately
- Bolt 1-turn

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

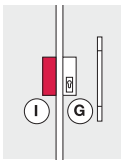
1 Corner patch lock with PC aperture
2 Allen keys SW 2 and 5
1 Striking plate with fixing material
1 Fixing screw for profile cylinder
1 Additional gasket for glass thickness 10 mm

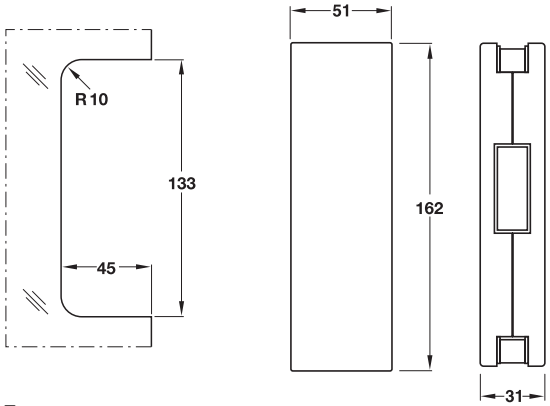
Material/finish	Cat. No.
Stainless steel matt (304)	981.00.400
Stainless steel polished (304)	981.00.401

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓘ Centre strike patch for centre lock StarTec







Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Centre strike patch for centre lock

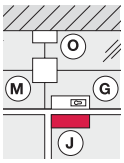
2 Allen keys SW 2 and 5

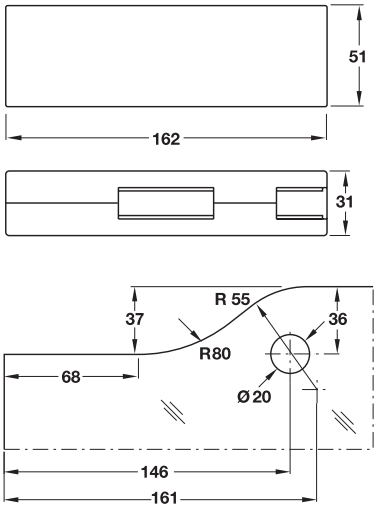
1 Additional gasket for glass thickness 10 mm

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.420
Stainless steel polished (304)	981.00.421

Ⓙ Over panel strike patch for corner lock StarTec







Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Over panel strike patch for centre lock

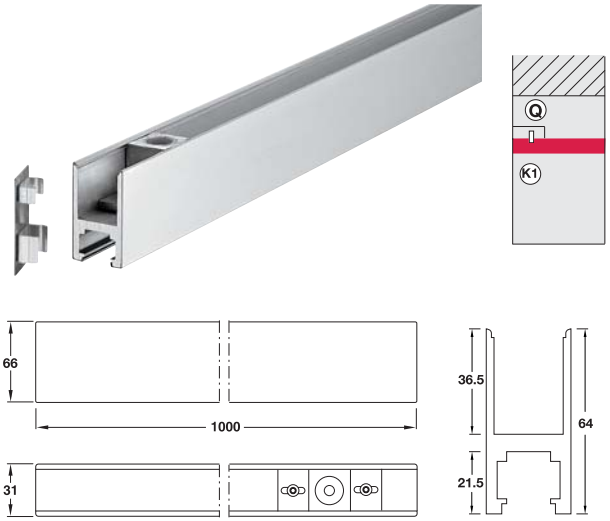
2 Allen keys SW 2 and 5

1 Additional gasket for glass thickness 10 mm

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.470
Stainless steel polished (304)	981.00.471

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

(K1) **Top rail** StarTec



Features

- For glass thickness 10–12 mm
- Rail can be cut to size
- Suitable for DIN left hand and DIN right hand

Technical data

- Max. door weight: 80 kg
- Length: 1,000 mm
- Bolt retainer adjustable ±3 mm

Installation

- Fixing with clamp insert profile and silicone

Supplied with

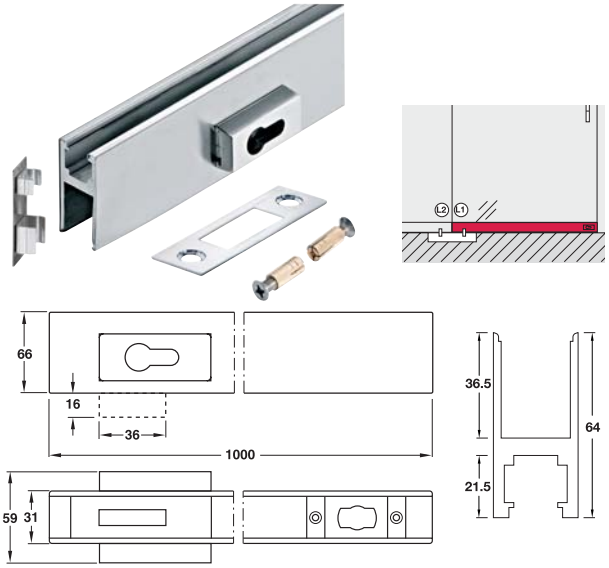
1 Top rail

2 End caps

1 Set of clamp insert profile for glass

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.252
Stainless steel polished (304)	981.00.253

(L1) **Bottom rail with PC aperture** StarTec



Features

- For glass thickness 10–12 mm
- Rail can be cut to size
- Suitable for DIN left hand and DIN right hand
- For profile cylinders (please order separately)
- Bolt 1-turn

Technical data

- Max. door weight: 80 kg
- Length: 1,000 mm

Installation

- Fixing with clamp insert profile and silicone

Supplied with

1 Bottom rail

2 End caps

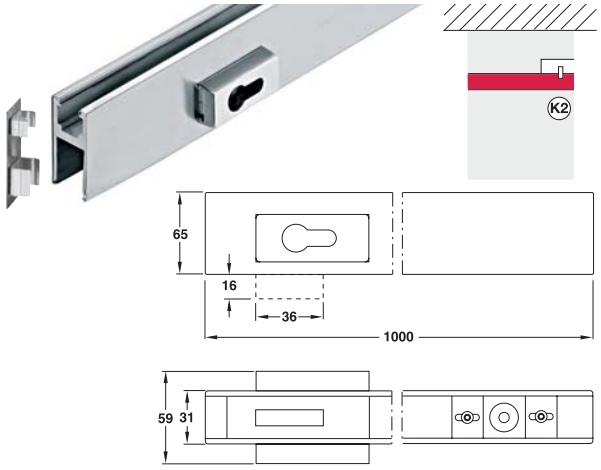
1 Striking plate and profile cylinder with fixing material

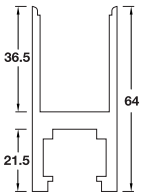
1 Set of clamp insert profile for glass

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.200
Stainless steel polished (304)	981.00.201

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

(K2) Top rail with PC aperture StarTec





Features

- For glass thickness 10–12 mm
- Rail can be cut to size
- Suitable for DIN left hand and DIN right hand
- For profile cylinders (please order separately)
- Bolt 1-turn

Technical data

- Max. door weight: 80 kg
- Length: 1,000 mm
- Bolt retainer adjustable ±3 mm

Installation

- Fixing with clamp insert profile and silicone

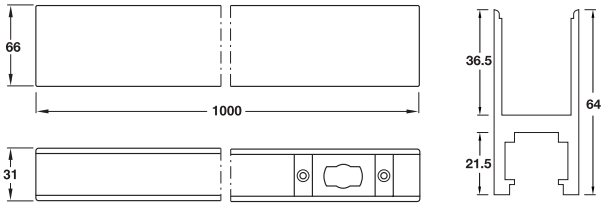
Supplied with

1 Top rail with PC aperture
2 End caps
1 Fixing screw for profile cylinder
1 Set of clamp insert profile for glass

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.250
Stainless steel polished (304)	981.00.251

(L2) Bottom rail StarTec





Features

- For glass thickness 10–12 mm
- Rail can be cut to size
- Suitable for DIN left hand and DIN right hand

Technical data

- Max. door weight: 80 kg
- Length: 1,000 mm

Installation

- Fixing with clamp insert profile and silicone

Supplied with

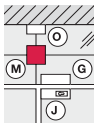
1 Bottom rail
2 End caps
1 Set of clamp insert profile for glass

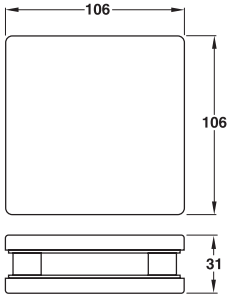
Material/finish	Cat. No.
Stainless steel matt (304)	981.00.202
Stainless steel polished (304)	981.00.203

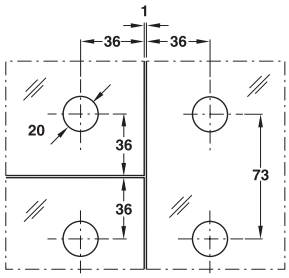
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓜ Glass connection patch fitting StarTec









Features

- Connecting 2 to 4 glass panels
- For glass thickness 10–12 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Glass connection patch fitting

2 Allen keys SW 2 and 5

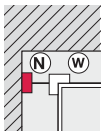
1 Additional gasket for glass thickness 10 mm

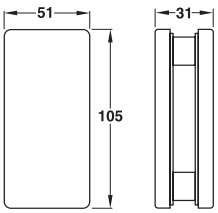
Material/finish	Cat. No.
Stainless steel matt (304)	981.00.120
Stainless steel polished (304)	981.00.121

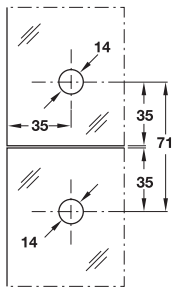
Ⓝ/Ⓞ Glass to wall connection patch fitting StarTec

Ⓝ



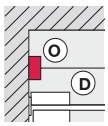


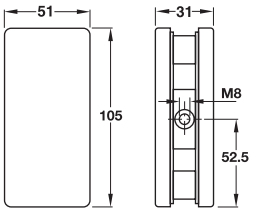


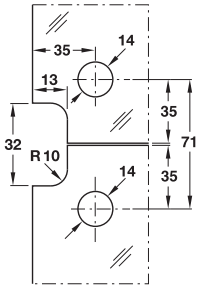


Ⓞ









Features

- For glass thickness 10–12 mm
- Suitable for left and right hand use
- Without thread for connecting 2 glass panels, or with thread for glass to wall connection and connecting 2 glass panels

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Glass to wall connection patch fitting

2 Allen keys SW 2 and 5

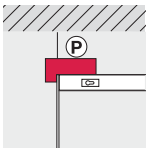
1 Additional gasket for glass thickness 10 mm

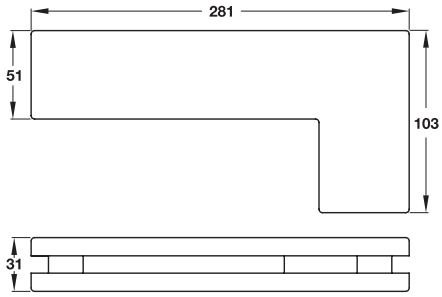
Material/finish	Ⓝ	Ⓞ
Stainless steel matt (304)	981.00.130	981.00.140
Stainless steel polished (304)	981.00.131	981.00.141

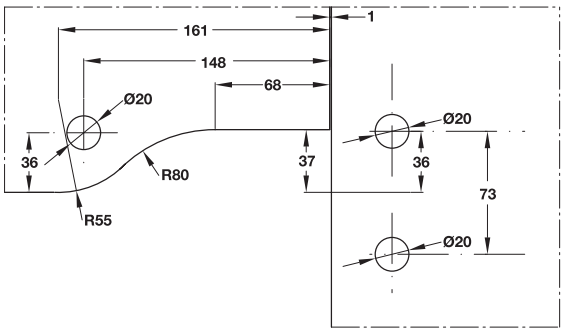
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓟ Fanlight/side panel strike patch fitting for corner lock StarTec









Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

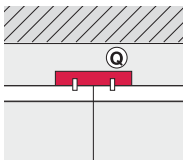
1 Fanlight/side panel strike patch fitting for corner lock

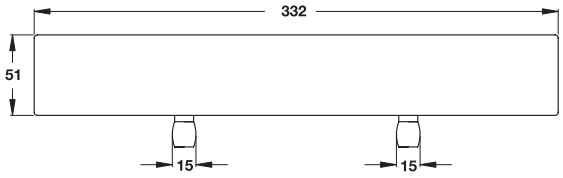
2 Allen keys SW 2 and 5

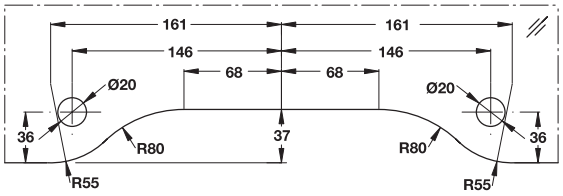
Material/finish	Cat. No.
Stainless steel matt (304)	981.00.180
Stainless steel polished (304)	981.00.181

Ⓠ Fanlight panel double pivot patch fitting StarTec









Features

- Counter bearing for top patch fitting
- For glass thickness 10–12 mm

Technical data

- Pivot laterally adjustable ±3 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Fanlight panel double pivot patch fitting

2 Allen keys SW 2 and 5

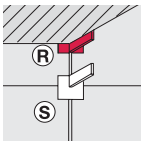
1 Additional gasket for glass thickness 10 mm

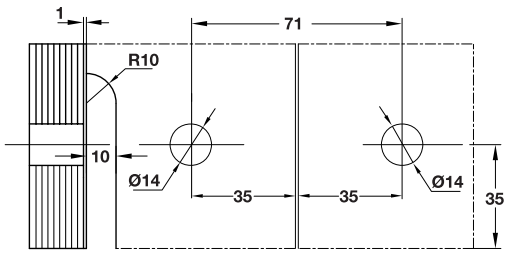
Material/finish	Cat. No.
Stainless steel matt (304)	981.00.170
Stainless steel polished (304)	981.00.171

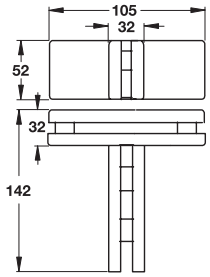
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

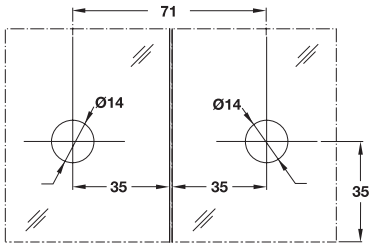
Ⓡ **Side/fin panel patch fitting** StarTec











Features

• For glass thickness 10–12 mm

Installation

• Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Side/fin panel patch fitting

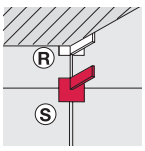
2 Allen keys SW 2 and 5

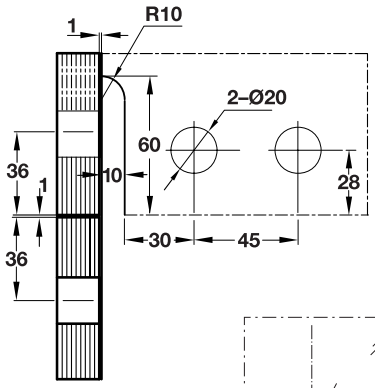
1 Additional gasket for glass thickness 10 mm

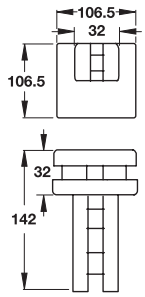
Material/finish	Cat. No.
Stainless steel matt (304)	981.00.070
Stainless steel polished (304)	981.00.071

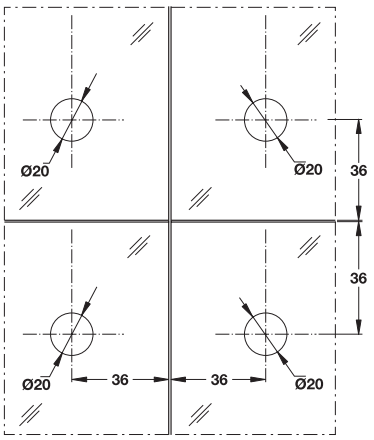
Ⓢ **Side/fin panel patch fitting** StarTec











Features

• For glass thickness 10–12 mm

Installation

• Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Side/fin panel patch fitting

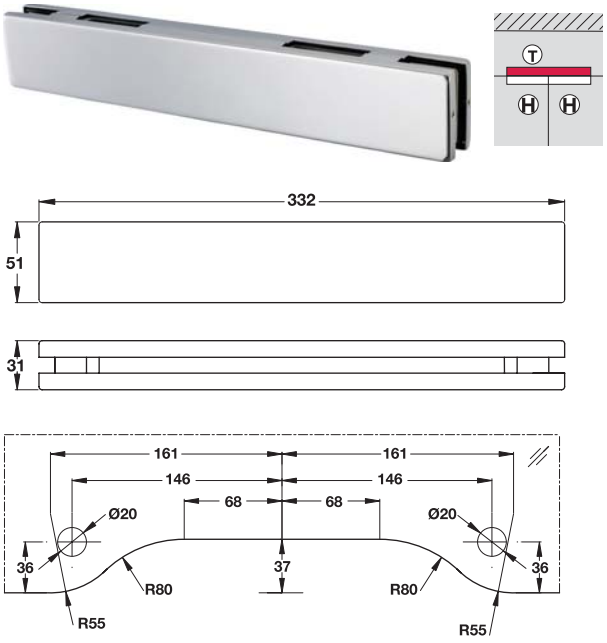
2 Allen keys SW 2 and 5

1 Additional gasket for glass thickness 10 mm

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.190
Stainless steel polished (304)	981.00.191

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓣ Fanlight double strike patch for corner lock StarTec



Features

- For glass thickness 10–12 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

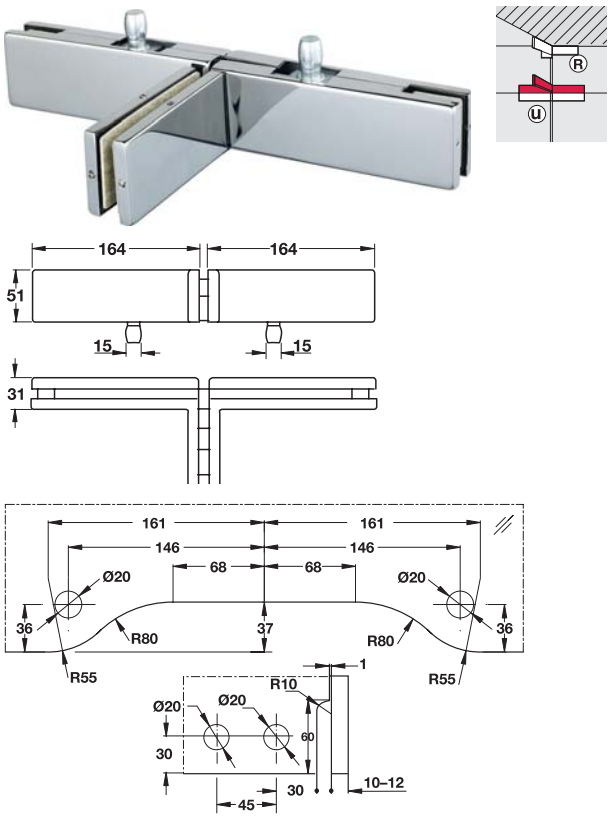
1 Fanlight double strike patch for corner lock

2 Allen keys SW 2 and 5

1 Additional gasket for glass thickness 10 mm

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.160
Stainless steel polished (304)	981.00.161

Ⓤ Fanlight/fin panel double pivot patch fitting StarTec



Features

- Counter bearing for top patch fitting
- For glass thickness 10–12 mm

Technical data

- Pivot laterally adjustable ±3 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Fanlight/fin panel double pivot patch fitting

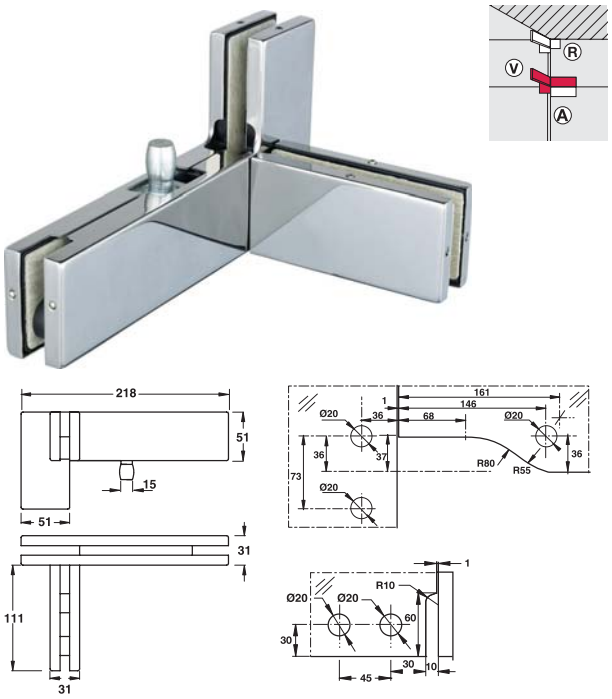
2 Allen keys SW 2 and 5

1 Additional gasket for glass thickness 10 mm

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.150
Stainless steel polished (304)	981.00.151

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓥ Fanlight/side/fin panel pivot patch fitting StarTec



Features

- Counter bearing for top patch fitting
- For glass thickness 10–12 mm

Technical data

- Pivot laterally adjustable ±3 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

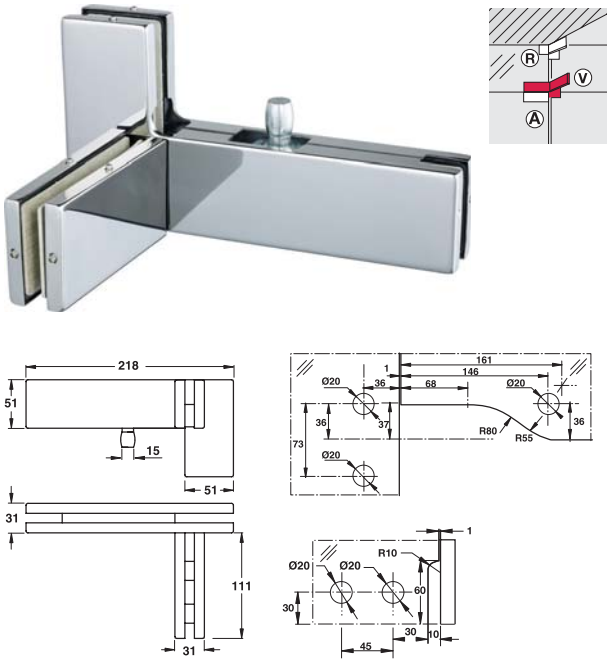
1 Fanlight/side/fin panel pivot patch fitting

2 Allen keys SW 2 and 5

1 Additional gasket for glass thickness 10 mm

Material/finish	Cat. No.
Left hand	
Stainless steel matt (304)	981.00.050
Stainless steel polished (304)	981.00.051

Ⓥ Fanlight/side/fin panel pivot patch fitting StarTec



Features

- Counter bearing for top patch fitting
- For glass thickness 10–12 mm

Technical data

- Pivot laterally adjustable ±3 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Fanlight/side/fin panel pivot patch fitting

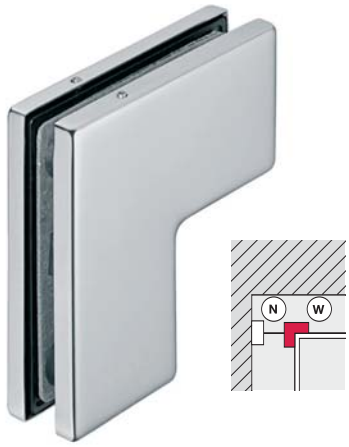
2 Allen keys SW 2 and 5

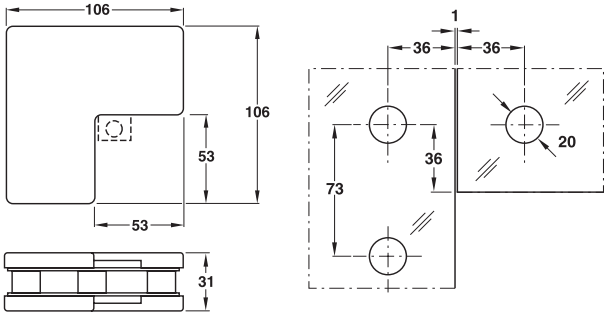
1 Additional gasket for glass thickness 10 mm

Material/finish	Cat. No.
Right hand	
Stainless steel matt (304)	981.00.040
Stainless steel polished (304)	981.00.041

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓦ Fanlight/side panel connection patch fitting StarTec





Features

- For glass thickness 10–12 mm
- Optional with door buffer
- Suitable for DIN left hand and DIN right hand

Installation

- Clamp fixing, concealed, with hexagon socket screws

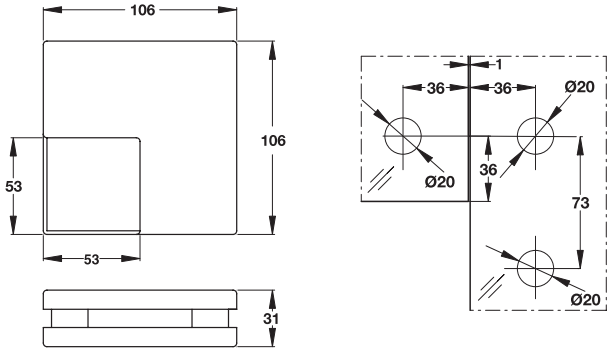
Supplied with

1 Fanlight/side panel connection patch fitting
2 Allen keys SW 2 and 5
1 Additional gasket for glass thickness 10 mm
1 Insert door buffer
2 Blind insert profiles

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.060
Stainless steel polished (304)	981.00.061

Ⓧ Fanlight/side panel connection patch fitting with stop StarTec





Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Fanlight/side panel patch fitting with stop
2 Allen keys SW 2 and 5
1 Additional gasket for glass thickness 10 mm

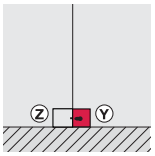
Material/finish	Cat. No.
Stainless steel matt (304)	981.00.100
Stainless steel polished (304)	981.00.101

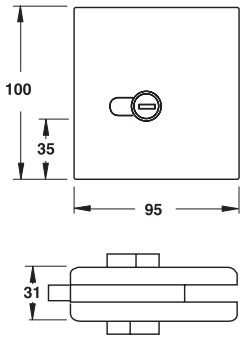
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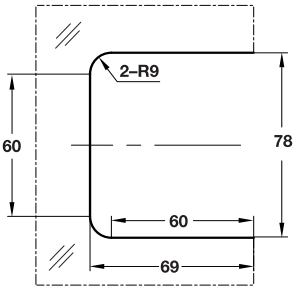
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓨ Corner patch lock square with PC aperture StarTec









Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand
- For profile cylinder (please order separately)
- Bolt 1 turn

Installation

- Clamp fixing, concealed, with hexagon socket screws

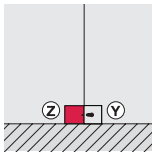
Supplied with

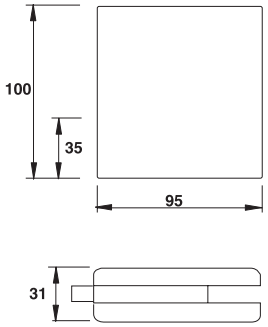
1 Corner patch lock square with PC aperture
2 Allen keys SW 2 and 5
1 Additional gasket for glass thickness 10 mm

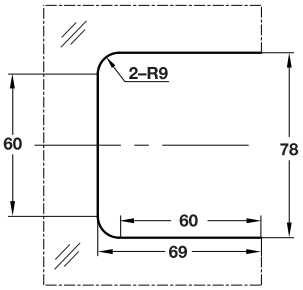
Material/finish	Cat. No.
Stainless steel matt (304)	981.00.450
Stainless steel polished (304)	981.00.451

Ⓩ Corner strike patch square for corner lock StarTec









Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand
- For profile cylinder

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

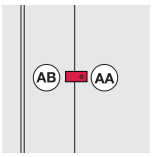
1 Corner strike patch square for corner lock
2 Allen keys SW 2 and 5
1 Additional gasket for glass thickness 10 mm

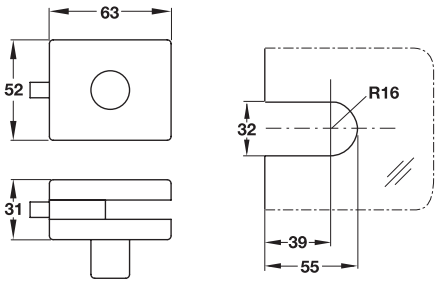
Material/finish	Cat. No.
Stainless steel matt (304)	981.00.460
Stainless steel polished (304)	981.00.461

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

(AA) Centre patch lock with thumbturn StarTec







Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Centre patch lock with thumb turn

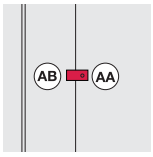
2 Allen keys SW 2 and 5

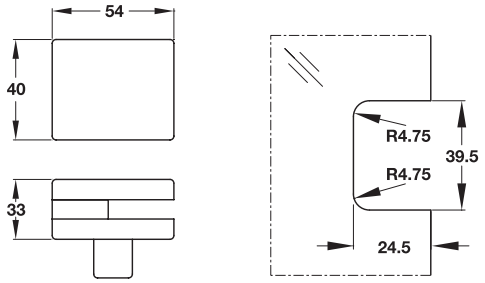
1 Additional gasket for glass thickness 10 mm

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.430
Stainless steel polished (304)	981.00.431

(AB) Centre strike patch for thumbturn lock StarTec







Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Centre strike patch for thumbturn lock

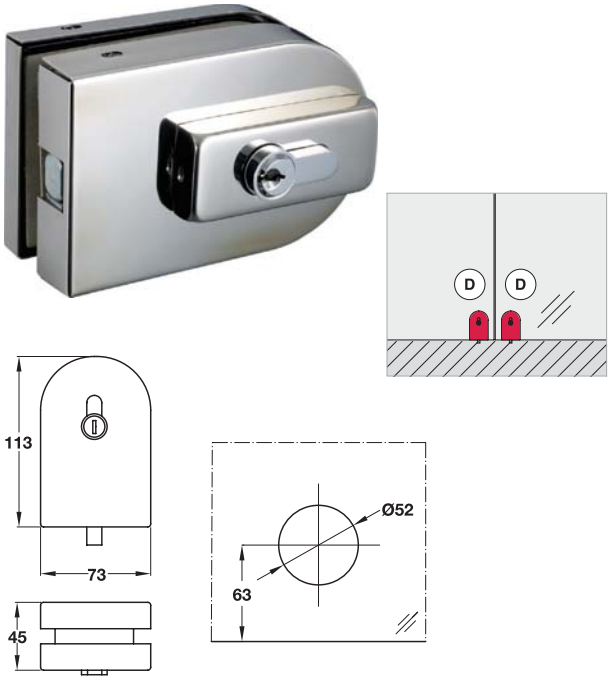
2 Allen keys SW 2 and 5

1 Additional gasket for glass thickness 10 mm

Material/finish	Cat. No.
Stainless steel matt (304)	981.00.440
Stainless steel polished (304)	981.00.441

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓓ Bottom patch with PC aperture StarTec



Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand
- For profile cylinder (please order separately)
- Bolt 1-turn

Installation

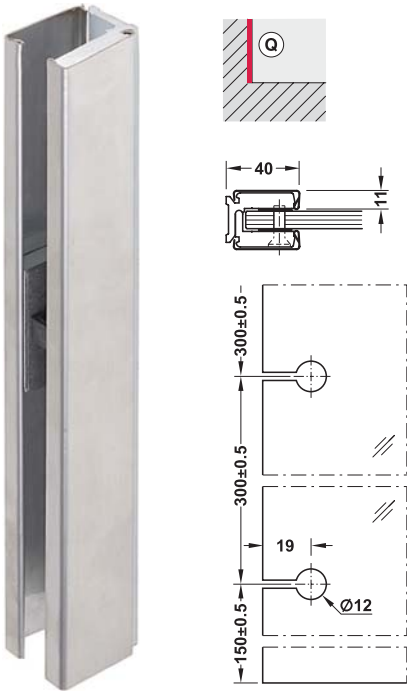
- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Bottom patch with PC aperture
2 Allen keys SW 2 and 5
1 Additional gasket for glass thickness 10 mm
1 Striking plate with fixing material
1 Fixing screw for profile cylinder

Material/Finish	Cat. No.
Stainless steel matt (304)	981.00.630

Ⓠ Wall and ceiling connection profile



Features

- For fixed glass with wall/ceiling connection
- For glass thickness 10–12 mm

Technical data

- Length: 3,000 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws clamp fixing points every 300 mm

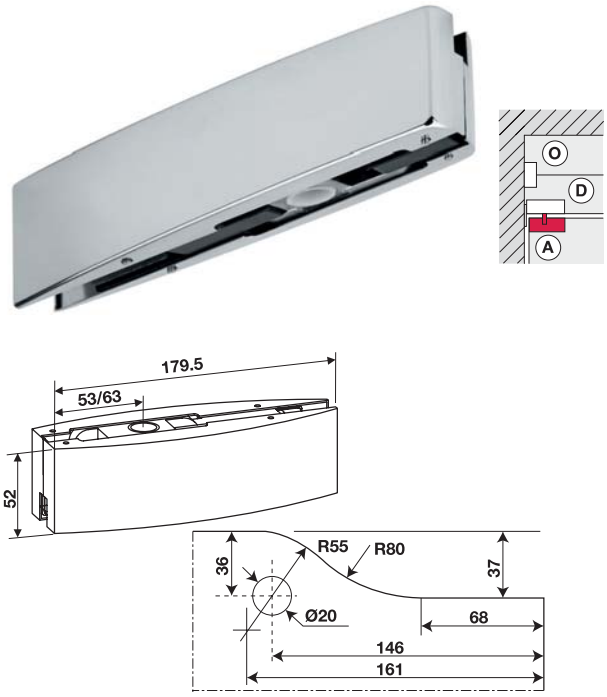
Supplied with

1 Clip-on profile
2 Covers

Material/Finish	Cat. No.
Covers stainless steel matt	981.35.210

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓐ **Patch fitting** StarTec



Features

- For glass thickness 8–12 mm
- Suitable for DIN left hand and DIN right hand
- For double action doors

Technical data

- Max. door weight: 80 kg
- Max. door leaf width: 1,100 mm

Installation

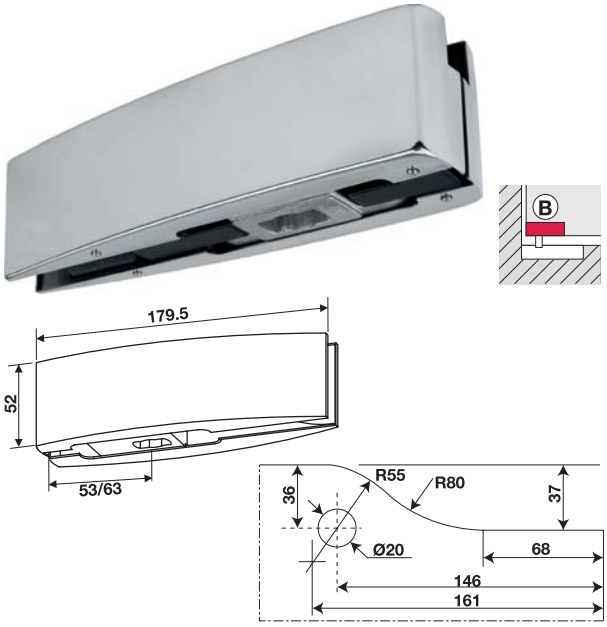
- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Top patch fitting for double action doors
2 Allen keys SW 2 and 5
1 Additional gasket for glass thickness 10 mm

Material/Finish	Cat. No.
Stainless steel matt (304)	981.52.680

Ⓑ **Bottom patch fitting** StarTec



Features

- For glass thickness 8–12 mm
- Suitable for DIN left hand and DIN right hand
- For double action doors

Technical data

- Max. door weight: 80 kg
- Max. door leaf width: 1,100 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws
- For mounting the glass door, a door spring must be ordered separately

Supplied with

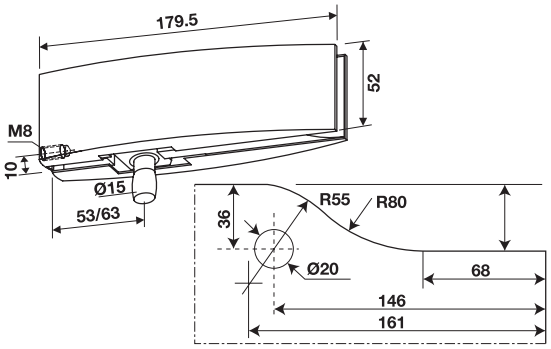
1 Bottom patch fitting for double action doors
2 Allen keys SW 2 and 5
1 Additional gasket for glass thickness 10 mm

Material/Finish	Cat. No.
Stainless steel matt (304)	981.52.660

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓒ **Fanlight pivot patch fitting** StarTec





Features

- Counter bearing for top patch fitting
- For glass thickness 8–12 mm
- Suitable for DIN left hand and DIN right hand

Technical data

- Pivot laterally adjustable ±3 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

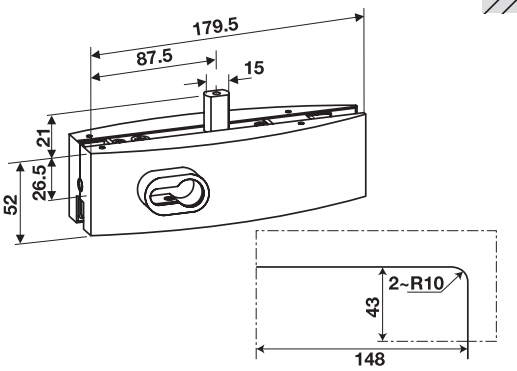
Supplied with

1 Fanlight pivot patch fitting
2 Allen keys SW 2 and 5
1 Additional gasket for glass thickness 10 mm
1 Brass expansion anchor M8

Material/Finish	Cat. No.
Stainless steel matt (304)	981.52.690

Ⓗ **Corner patch lock with PC aperture** StarTec





Features

- For glass thickness 8–12 mm
- Suitable for DIN left hand and DIN right hand
- For profile cylinder (please order separately)
- Bolt 1-turn

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

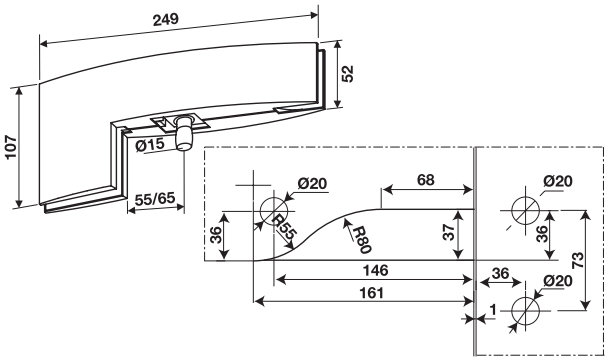
1 Corner patch lock with PC aperture
2 Allen keys SW 2 and 5
1 Striking plate with fixing material
1 Fixing screw for profile cylinder
1 Additional gasket for glass thickness 10 mm

Material/Finish	Cat. No.
Stainless steel matt (304)	981.52.670

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓔ **Fanlight/side panel pivot patch fitting** StarTec





Features

- Counter bearing for top patch fitting
- For glass thickness 8–12 mm
- Suitable for DIN left hand and DIN right hand

Technical data

- Pivot laterally adjustable ±3 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

1 Fanlight/side panel pivot patch fitting

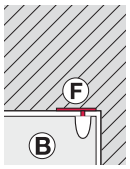
2 Allen keys SW 2 and 5

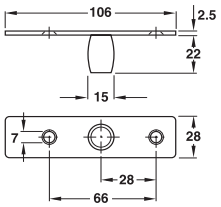
1 Additional gasket for glass thickness 10 mm

Material/Finish	Cat. No.
Stainless steel matt (304)	981.52.700

Ⓕ **Ceiling bearing** StarTec







Features

- Counter bearing for top patch fitting
- Suitable for DIN left hand and DIN right hand

Installation

- Screw fixing

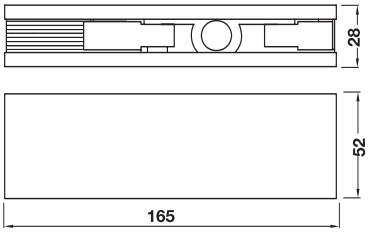
Material/Finish	Cat. No.
Stainless steel matt (304)	981.00.080

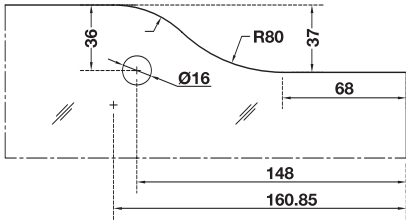
6

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓐ **Patch fitting** StarTec







Features

- For glass thickness 8–15 mm
- Suitable for DIN left hand and DIN right hand & DIN right hand
- For double action doors

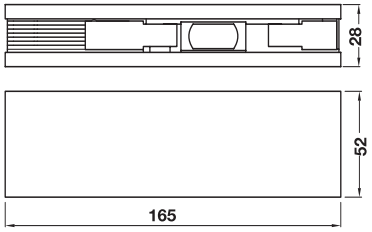
Technical data

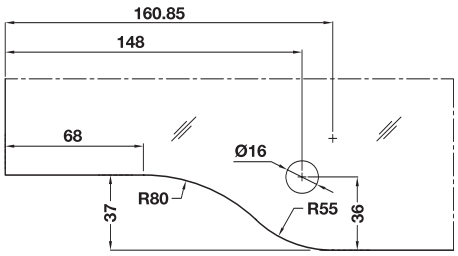
- Max. door weight: 120 kg
- Max. door leaf width: 1,200 mm
- Max. door leaf height: 2,800 mm

Material/Finish	Cat. No.
Stainless steel matt (304)	981.56.810

Ⓑ **Bottom patch fitting** StarTec







Features

- For glass thickness 8–15 mm
- Suitable for DIN left hand and DIN right hand
- For double action doors

Technical data

- Max. door weight: 120 kg
- Max. door leaf width: 1,200 mm
- Max. door leaf height: 2,800 mm

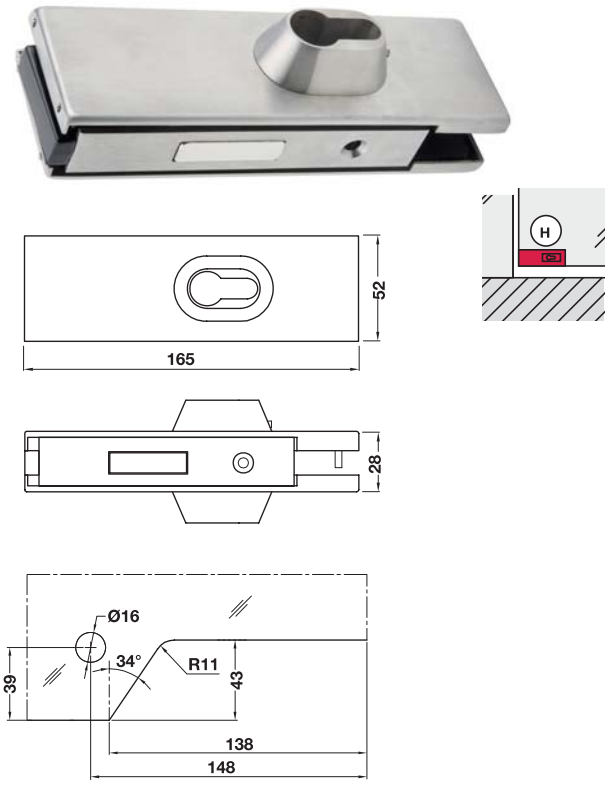
Installation

- For mounting the glass door, a door spring must be ordered separately

Material/Finish	Cat. No.
Stainless steel matt (304)	981.56.800

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓗ **Corner patch lock with PC aperture** StarTec

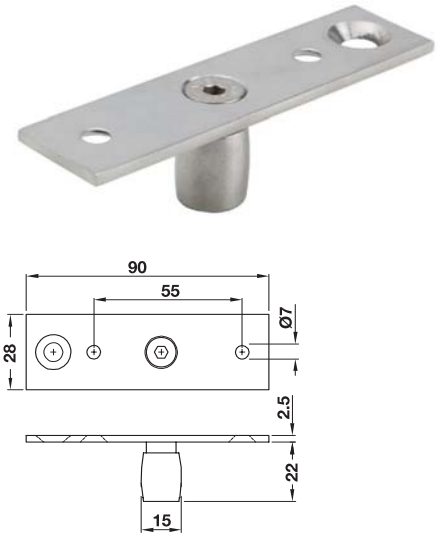


Features

- For glass thickness 8–15 mm
- Suitable for DIN left hand and DIN right hand
- For profile cylinder (please order separately)
- Bolt 1-turn

Material/Finish	Cat. No.
Stainless steel matt (304)	981.56.830

Ⓕ **Ceiling bearing** StarTec



Features

- Counter bearing for top patch fitting
- Suitable for DIN left hand and DIN right hand

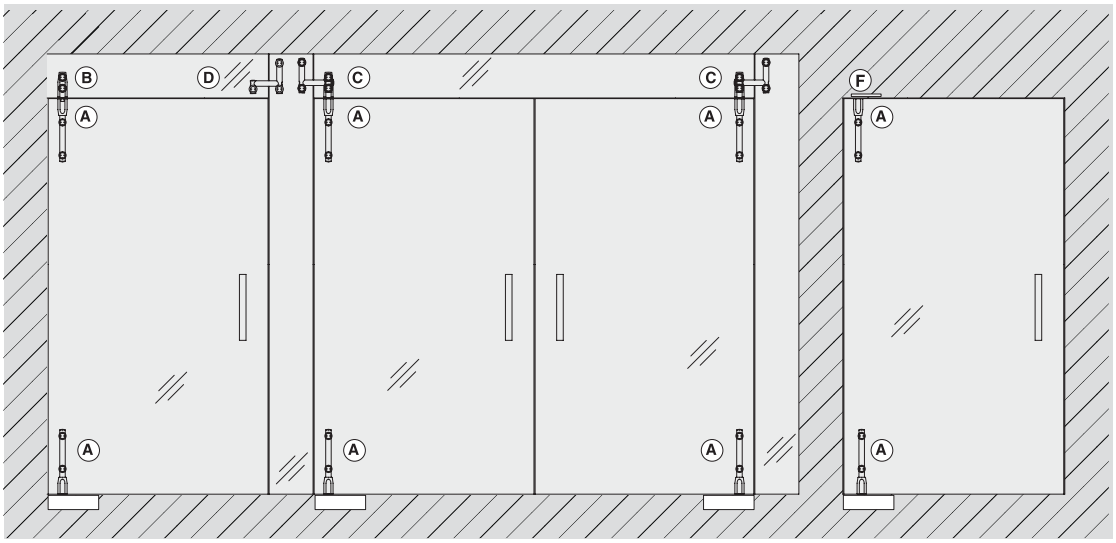
Installation

- Screw fixing

Material/Finish	Cat. No.
Stainless steel matt (304)	981.56.820

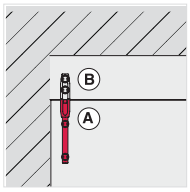
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

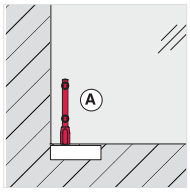
Patch fittings tubular type StarTec

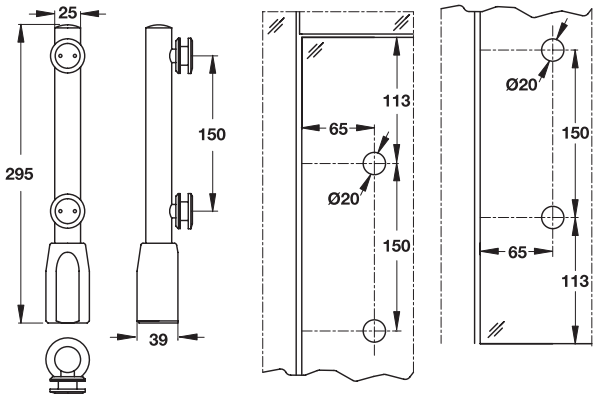


Ⓐ **Bottom and Top patch fitting** StarTec









Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand
- For double and single action doors

Technical data

- Max door weight: 80 kg
- Max door leaf width: 1,000 mm

Installation

- Clamp fixing, with special fixing wrench, order separately
- For mounting the glass door, a floor spring or pivot bearing must be ordered separately (See Section 4).

Supplied with

1 Top patch fitting

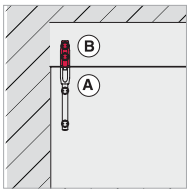
1 Bottom patch fitting

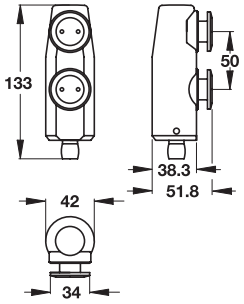
Material/Finish	Version	Cat. No.
Stainless steel matt (304)	Top patch fitting	981.20.010
	Bottom patch fitting	981.20.000

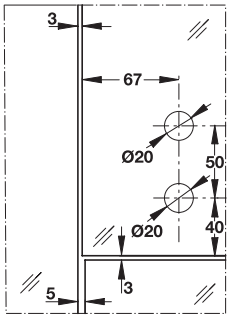
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ⓑ **Fanlight pivot patch fitting** StarTec









Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand

Technical data

- Pivot adjustable ±2 mm

Installation

- Clamp fixing, with special fixing wrench, order separately

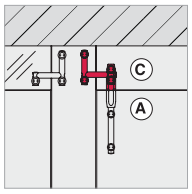
Supplied with

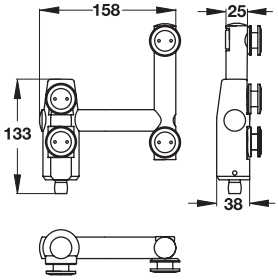
1 Fanlight pivot tube fitting

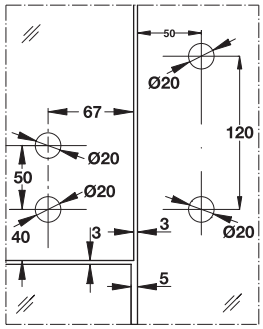
Material/Finish	Cat. No.
Stainless steel matt (304)	981.20.020

Ⓒ **Fanlight/side panel pivot patch fitting** StarTec









Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand

Technical data

- Side arm adjustable ±2 mm

Installation

- Clamp fixing, with special fixing wrench, order separately

Supplied with

1 Fanlight/side panel tube fitting

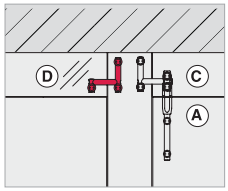
Material/Finish	Cat. No.
Stainless steel matt (304)	981.20.030

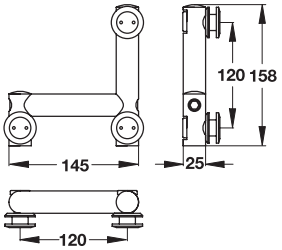
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

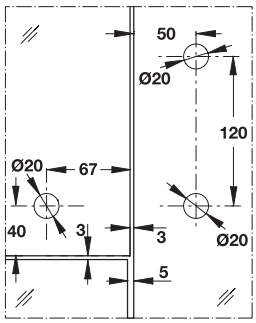
Ⓓ Fanlight/side panel connection patch fitting

StarTec









Features

- For glass thickness 10–12 mm
- Suitable for DIN left hand and DIN right hand

Technical data

- Pivot adjustable ±2 mm

Installation

- Clamp fixing, with special fixing wrench, order separately

Supplied with

1 Fanlight/side panel connection patch fitting

Material/Finish	Cat. No.
Stainless steel matt (304)	981.20.040

Fixing wrench

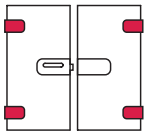


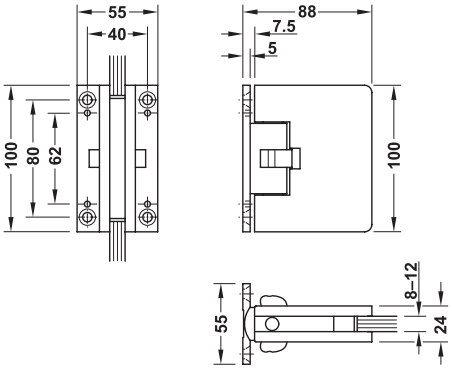
Material/Finish	Cat. No.
Stainless steel matt (304)	941.17.034

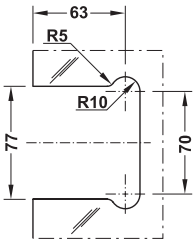
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

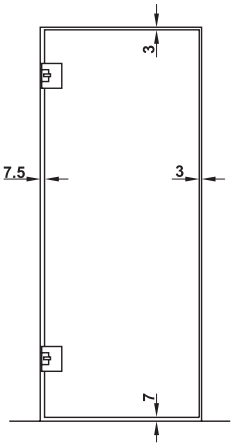
Double action spring hinge











Features

- Area of application: Wall to glass
- For glass thickness: 8–12 mm
- Suitable for DIN left hand and DIN right hand

Technical data

- Opening angle: 90° both sides
- Door weight: Max. 60 kg
- Door width: Max. 900 mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

2 Double action spring hinges
Fixing material
Installation instruction

Material/Finish	Cat. No.
Aluminium stainless steel coloured	981.31.020

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass door fittings for hinged doors


GHR 100

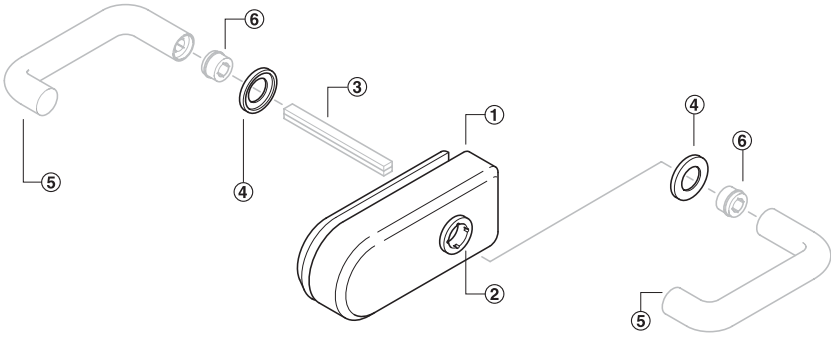

GHR 200


GHR 300

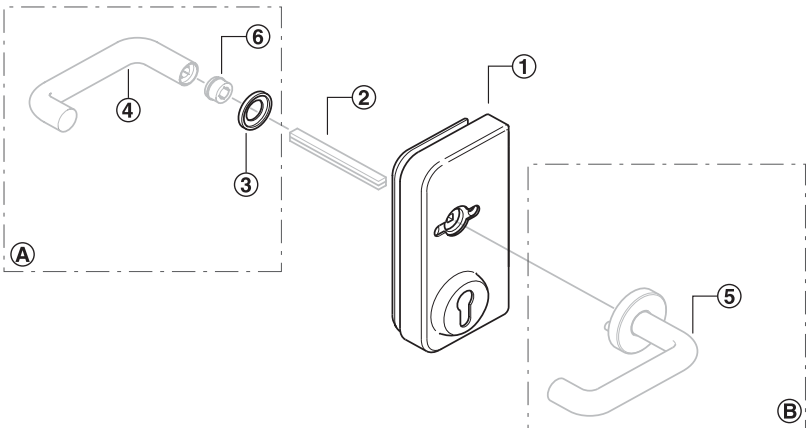

GHR 400


GHP 100


GHP 200



① Patchlock
② Attached guide
③ Spindel
④ Cover rose
⑤ Aperture part
⑥ Adapter (only for StarTec aperture parts)

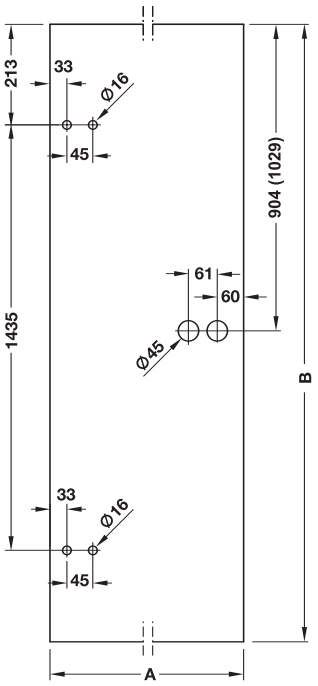


① Patchlock
② Spindel
③ Cover rose
④ Aperture part
⑤ Lever handle with handle rose
⑥ Adapter (only for StarTec aperture parts)
Ⓐ Installation for patchlock without handle rose
Ⓑ Installation for patchlock withhandle rose

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

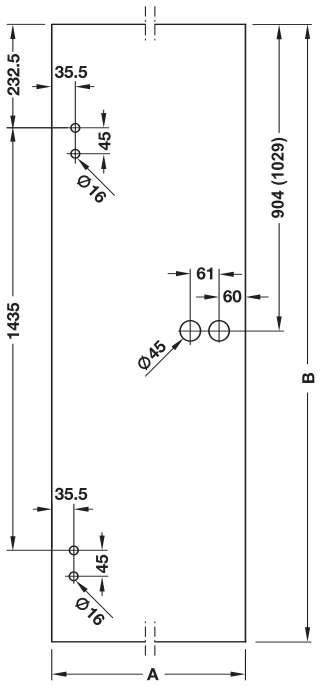
Glass preparation details GHR 100/200/400 StarTec

2-Piece hinge (wing part)

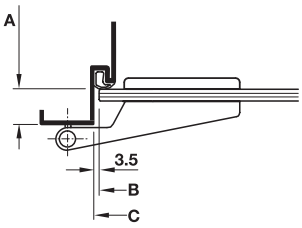


For frame parts
- V 3200 WF
- V 3400 WF
- G 22-21 with ring pin
- V 8100 WF

3-Piece hinge (wing part)\



For frame parts
- V 4400 GL
- V 8000 S-GL
- G 22-21 with ring pin



A = Rebate depth

B = Standard glass dimensions

C = Frame rebate dimensions

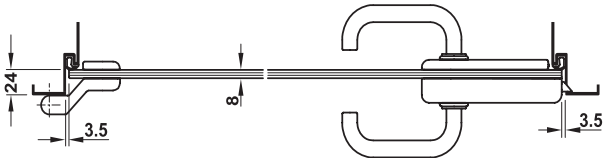
Please note rebate depth and glass weight:

Glass thickness mm	Rebate depth A mm	Door weight kg/sqm
8	24	20
10	26	25
12	28	30

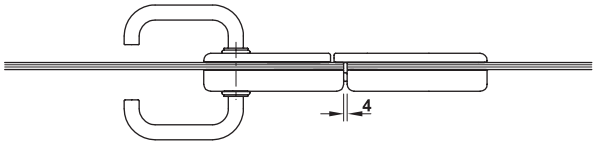
Dimensions for doors DIN 18101

Block work standard dimensions mm	750 x 2,000	875 x 2,000	1,000 x 2,000	750 x 2,125	875 x 2,125	1,000 x 2,125
Frame rebate dimensions C mm	716 x 1,983	841 x 1,983	966 x 1,983	716 x 2,108	841 x 2,108	966 x 2,108
Standard glass dimensions A x B mm	709 x 1,972	834 x 1,972	959 x 1,972	709 x 2,097	843 x 2,097	959 x 2,097

Installation



Mountng situation DIN left hand, single doors

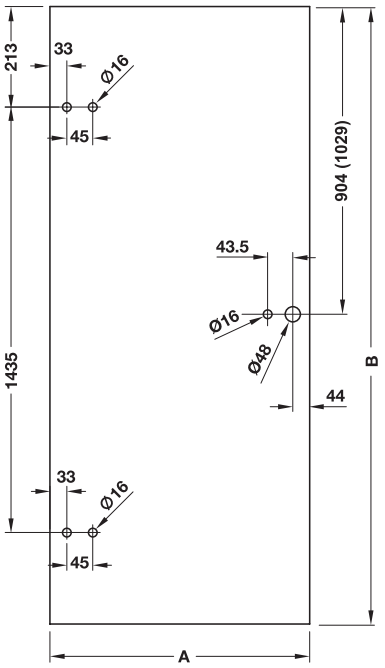


Mountng situation DIN left hand, double doors

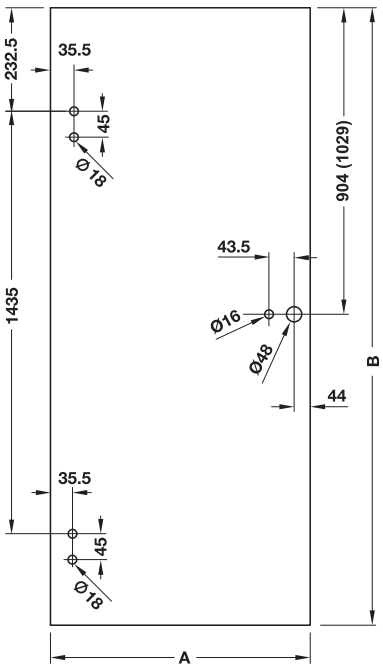
We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Glass preparation details GHR 300 StarTec

2-Piece hinge (wing part)

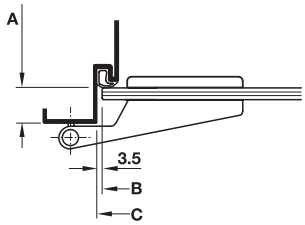


3-Piece hinge (wing part)



For frame parts

- V 4400 WF
- V 8000 WF



A = Rebate depth

B = Standard glass dimensions

C = Frame rebate dimensions

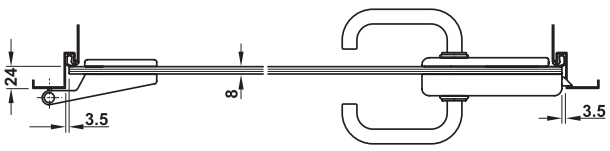
Please note rebate depth and glass weight:

Glass thickness mm	Rebate depth A mm	Door weight kg/sqm
8	24	20
10	26	25
12	28	30

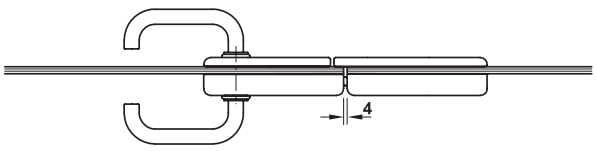
Dimensions for doors DIN 18101

Block work standard dimensions mm	750 x 2,000	875 x 2,000	1,000 x 2,000	750 x 2,125	875 x 2,125	1,000 x 2,125
Frame rebate dimensions C mm	716 x 1,983	841 x 1,983	966 x 1,983	716 x 2,108	841 x 2,108	966 x 2,108
Standard glass dimensions A x B mm	709 x 1,972	834 x 1,972	959 x 1,972	709 x 2,097	843 x 2,097	959 x 2,097

Installation



Mountng situation DIN left hand, single doors

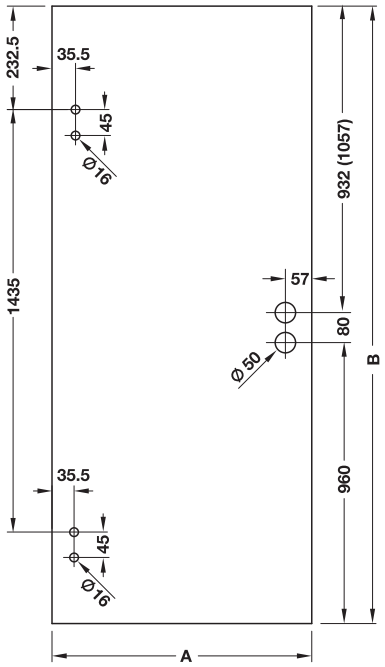


Mountng situation DIN left hand, double doors

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

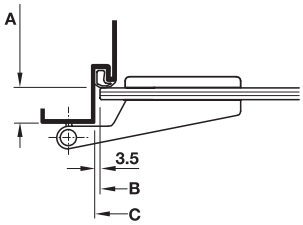
Glass preparation details GHP 100/200 StarTec

3-Piece hinge (wing part)



For frame parts

- V 4400 GL
- V 8000 S-GL



A = Rebate depth

B = Standard glass dimensions

C = Frame rebate dimensions

Please note rebate depth and glass weight:

Glass thickness mm	Rebate depth A mm	Door weight kg/sqm
8	24	20
10	26	25
12	28	30

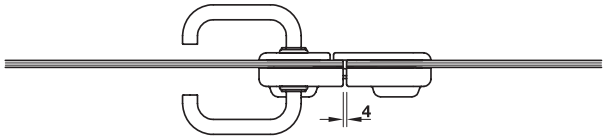
Dimensions for doors DIN 18101

Block work standard dimensions mm	750 x 2,000	875 x 2,000	1,000 x 2,000	750 x 2,125	875 x 2,125	1,000 x 2,125
Frame rebate dimensions C mm	716 x 1,983	841 x 1,983	966 x 1,983	716 x 2,108	841 x 2,108	966 x 2,108
Standard glass dimensions A x B mm	709 x 1,972	834 x 1,972	959 x 1,972	709 x 2,097	843 x 2,097	959 x 2,097

Installation



Mountng situation DIN left hand, single doors

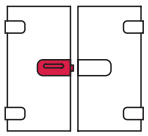


Mountng situation DIN left hand, double doors

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Locking patch GHR 100 StarTec





Features

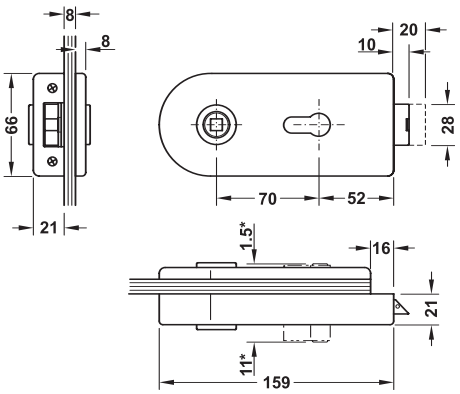
- Area of application: For door made of tempered safety glass
- For glass thickness: 8 mm
- Version: Continuous visible glass edge within the lock area, latchbolt lock, 2–piece
- Lever follower: 8 mm
- Backset: 52 mm
- Mounting: For DIN left and DIN right hand use

Note

All locks are prepared for DIN left hand.

For changing to DIN right hand, follow installation instructions.

PC Lock

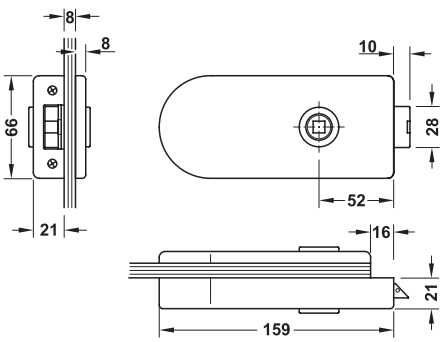


Features

- Version: With key action
- Distance: 70 mm

Material/Finish	Cat. No.
Stainless steel matt (304)	981.49.504

NL Lock



Features

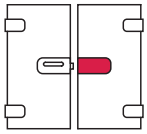
- Version: Front lever handle

Material/Finish	Cat. No.
Stainless steel matt (304)	981.49.500

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Strike patch GHR 100 StarTec

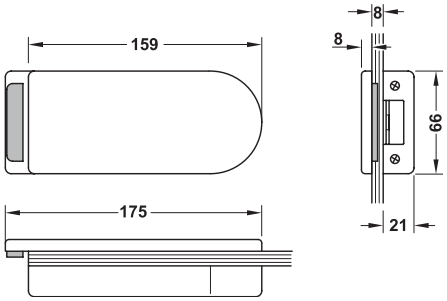




Features

- Area of application: For double doors made of tempered safety glass
- For glass thickness: 8 mm
- Version: 2-piece, with stop, protrudes the glass edge
- Mounting: For DIN left and DIN right hande use

Material/Finish	Cat. No.
Stainless steel matt (304)	981.49.420



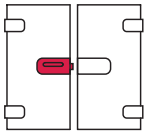
Order reference

Handle ..... page 6.54
Spindle ..... page 6.56
Profile ..... page 6.56
Hinge ..... page 6.46
Frame part ..... page 6.48

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Locking patch GHR 200 StarTec





Features

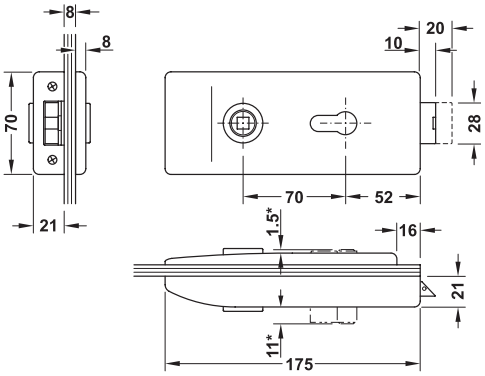
- Area of application: For door made of tempered safety glass
- For glass thickness: 8 mm
- Version: Continuous visible glass edge within the lock area, latchbolt lock, 2-piece
- Lever follower: 8 mm
- Backset: 52 mm
- Mounting: For DIN left and DIN right hand use

Note

All locks are prepared for DIN left hand.

For changing to DIN right hand, follow installation instructions.

PC Lock

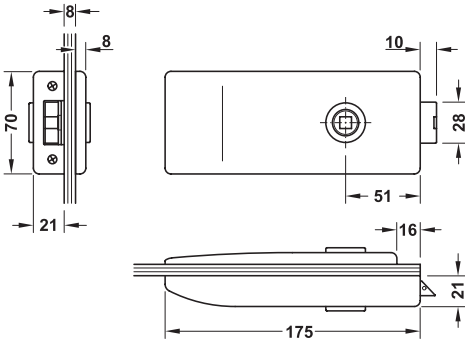


Features

- Version: With key action
- Distance: 70 mm

Material/Finish	Cat. No.
Stainless steel matt (304)	981.49.514

NL Lock



Features

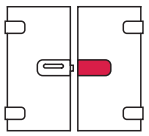
- Version: Front lever handle

Material/Finish	Cat. No.
Stainless steel matt (304)	981.49.510

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Strike patch GHR 200 StarTec

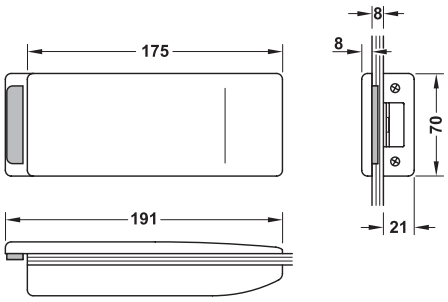




Features

- Area of application: For double doors made of tempered safety glass
- For glass thickness: 8 mm
- Version: 2-piece, with stop, protrudes the glass edge
- Mounting: For DIN left and DIN right hande use

Material/Finish	Cat. No.
Stainless steel matt (304)	981.49.430



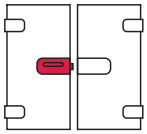
Order reference

Handle ..... page 6.54
Spindle ..... page 6.56
Profile ..... page 6.56
Hinge ..... page 6.46
Frame part ..... page 6.48

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Locking patch GHR 300 StarTec

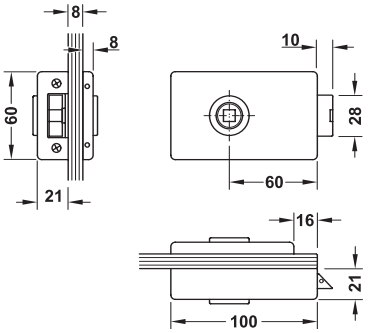




Features

- Area of application: For door made of tempered safety glass
- For glass thickness: 8 mm
- Version: Continuous visible glass edge within the lock area, latchbolt lock, 2-piece
- Lever follower: 8 mm
- Backset: 46.5 mm
- Mounting: For DIN left and DIN right hand use

Material/Finish	Cat. No.
Stainless steel matt (304)	981.49.520



Note

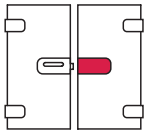
All locks are prepared for DIN left hand.

For changing to DIN right hand, follow installation instructions.

6

Strike patch GHR 300 StarTec

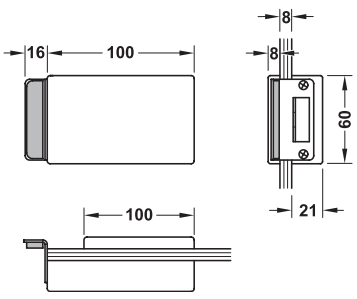




Features

- Area of application: For double doors made of tempered safety glass
- For glass thickness: 8 mm
- Version: 2-piece, with stop, protrudes the glass edge
- Mounting: For DIN left and DIN right hande use

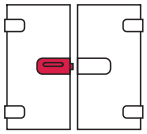
Material/Finish	Cat. No.
Stainless steel matt (304)	981.49.440



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Locking patch GHR 400 StarTec





Features

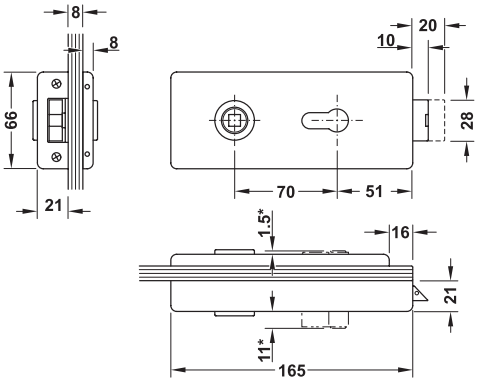
- Area of application: For door made of tempered safety glass
- For glass thickness: 8 mm
- Version: Continuous visible glass edge within the lock area, latchbolt lock, 2-piece
- Lever follower: 8 mm
- Backset: 52 mm
- Mounting: For DIN left and DIN right hand use

Note

All locks are prepared for DIN left hand.

For changing to DIN right hand, follow installation instructions.

PC Lock

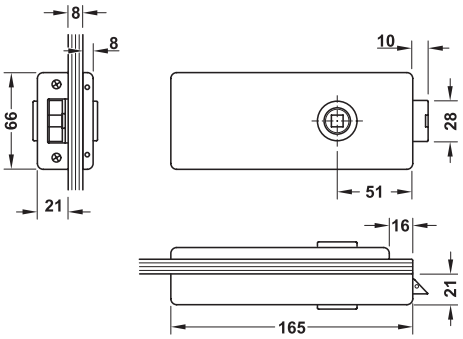


Features

- Version: With key action
- Distance: 70 mm

Material/Finish	Cat. No.
Stainless steel matt (304)	981.49.534

NL Lock



Features

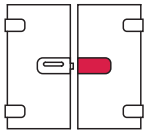
- Version: Front lever handle

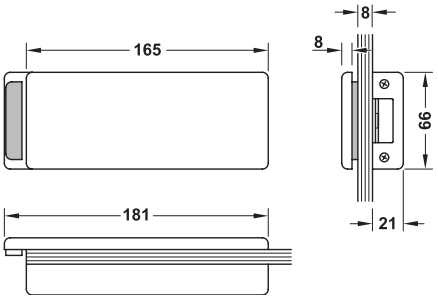
Material/Finish	Cat. No.
Stainless steel matt (304)	981.49.510

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Strike patch GHR 400 StarTec







Features

- Area of application: For double doors made of tempered safety glass
- For glass thickness: 8 mm
- Version: 2-piece, with stop, protrudes the glass edge
- Mounting: For DIN left and DIN right hande use

Material/Finish	Cat. No.
Stainless steel matt (304)	981.49.450

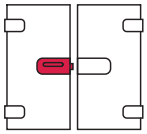
Order reference

Handle ..... page 6.54
Spindle ..... page 6.56
Profile ..... page 6.56
Hinge ..... page 6.46
Frame part ..... page 6.48

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Locking patch GHP 100 StarTec

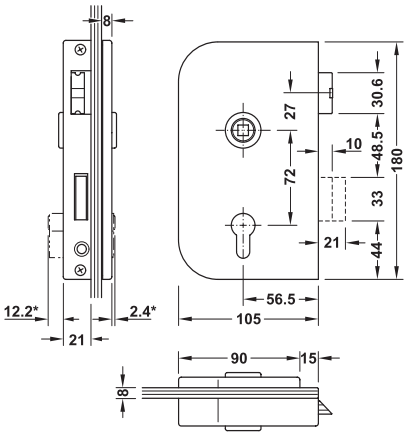




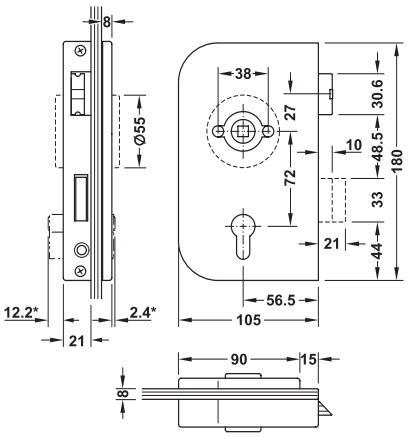
Features

- Area of application: For door made of tempered safety glass
- For glass thickness: 8 mm
- Version: Continuous visible glass edge within the lock area, latchbolt lock, 2-piece, in compliance with DIN 18251, grade 3, lever follower: Clamping follower, optional for lever handles with or without handles roses
- Lever follower: 8 mm
- Backset: 56.5 mm
- Mounting: For DIN left and DIN right hand use

PC Lock



Prepared for profile cylinder (PC) and lever handles without handles roses



Prepared for profile cylinder (PC) and lever handles with handles roses

Features

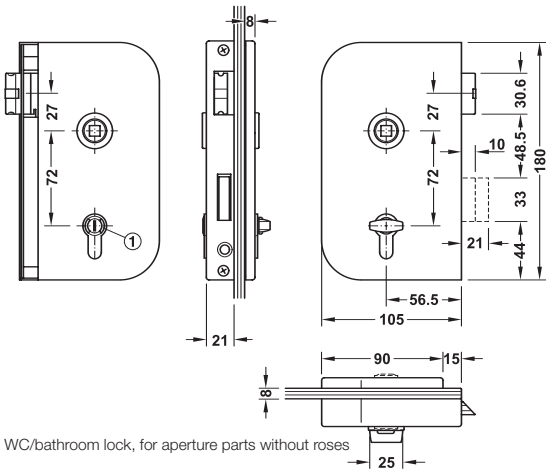
- Version: With key action
- Deadbolt: 2 turn
- Distance: 72 mm

Material/Finish	DIN left	DIN right
For lever handles without handle roses		
Stainless steel matt (304)	981.49.140	981.49.150
For lever handles with handle roses		
Stainless steel matt (304)	981.49.160	981.49.170

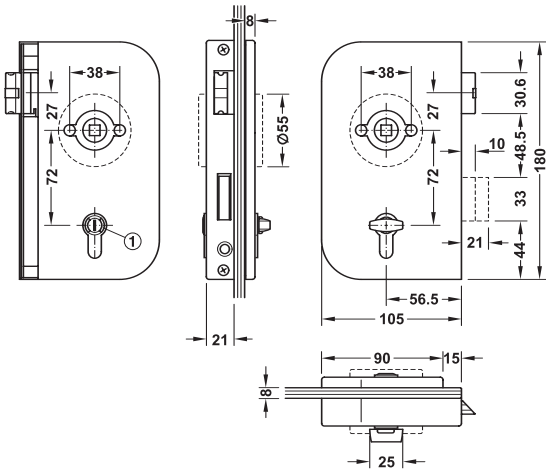
We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Locking patch GHP 100 StarTec

WC/bathroom lock

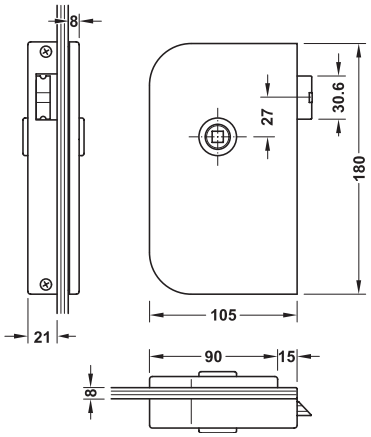


WC/bathroom lock, for aperture parts without roses

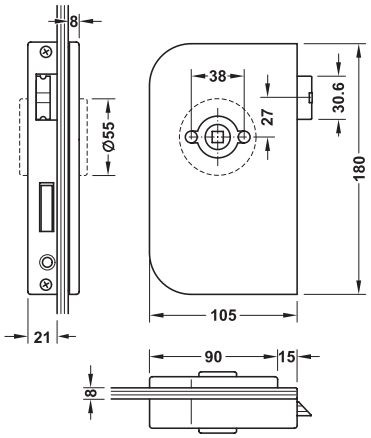


WC/bathroom lock, prepared for lever handles with handle roses

NL Lock



NL lock, for aperture parts without roses



NL lock, prepared for lever handles with handle roses

Features

- Version: with lock indicator vacant/engaged, with emergency opening option
- Deadbolt: 1 turn
- Distance: 78 mm

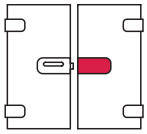
Material/Finish	DIN left	DIN right
For lever handles without handle roses		
Stainless steel matt (304)	981.49.146	981.49.156
For lever handles with handle roses		
Stainless steel matt (304)	981.49.166	981.49.176

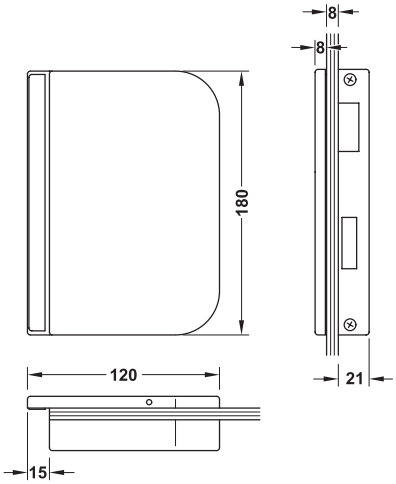
Material/Finish	DIN left	DIN right
For lever handles without handle roses		
Stainless steel matt (304)	981.49.144	981.49.154
For lever handles with handle roses		
Stainless steel matt (304)	981.49.164	981.49.174

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Strike patch GHP 100 StarTec







Features

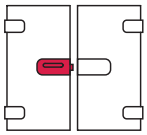
- Area of application: For double doors made of tempered safety glass
- For glass thickness: 8 mm
- Version: 2-piece, with stop, protrudes the glass edge
- Mounting: For DIN left and DIN right hande use

Material/Finish	DIN left	DIN right
Stainless steel matt (304)	981.49.460	981.49.470

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Locking patch GHP 200 StarTec

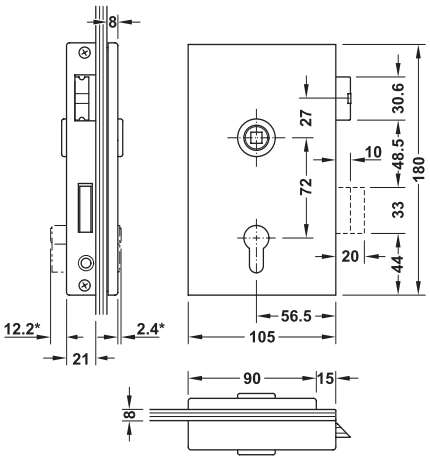




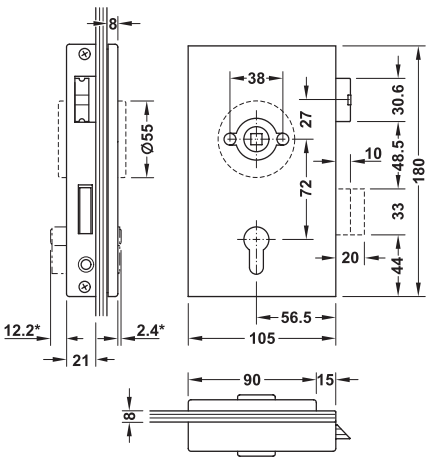
Features

- Area of application: For door made of tempered safety glass
- For glass thickness: 8 mm
- Version: Continuous visible glass edge within the lock area, 2-piece, in compliance with DIN 18251, grade 3, lever follower: Clamping follower, optional for lever handles with or without handle roses or prepared for lever handles with handle roses
- Lever follower: 8 mm
- Backset: 56.5 mm
- Mounting: For DIN left and DIN right hand use

PC Lock



Prepared for profile cylinder (PC) and lever handles without handles roses.



Prepared for profile cylinder (PC) and lever handles with handles roses.

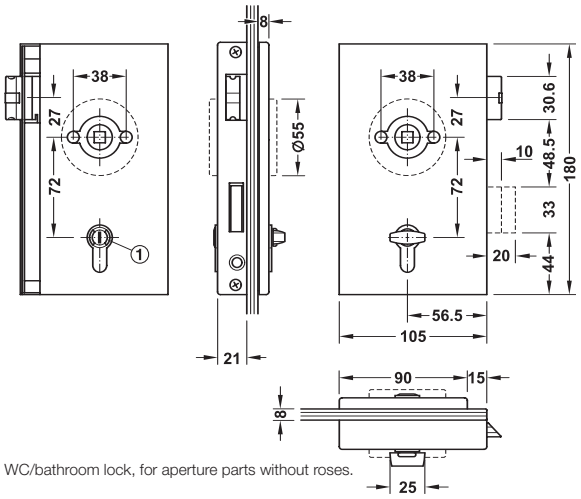
Features

- Version: With key action
- Deadbolt: 2 turn
- Distance: 72 mm

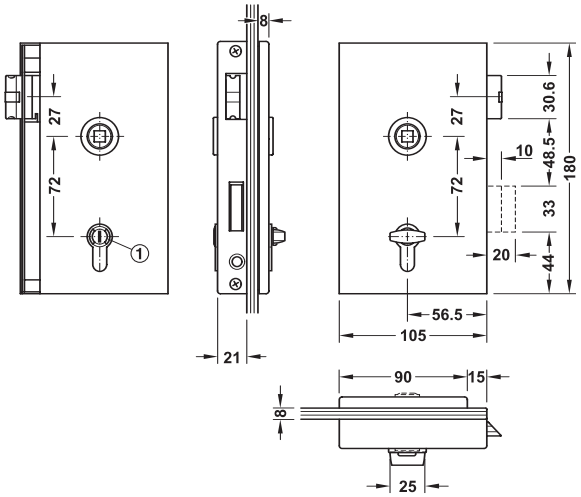
Material/Finish	DIN left	DIN right
For lever handles without handle roses		
Stainless steel matt (304)	981.49.100	981.49.110
For lever handles with handle roses		
Stainless steel matt (304)	981.49.120	981.49.130

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

WC/bathroom lock



WC/bathroom lock, for aperture parts without roses.



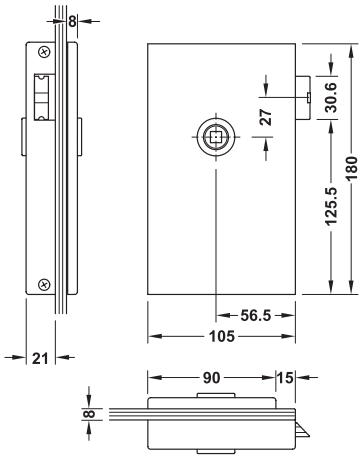
WC/bathroom lock, prepared for lever handles with handle roses.

Features

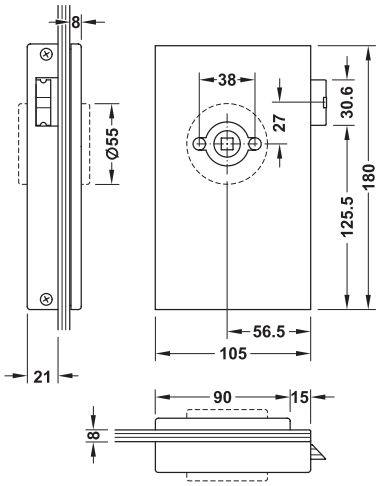
- Version: with lock indicator vacant/engaged, with emergency opening option
- Deadbolt: 1 turn
- Distance: 78 mm

Material/Finish	DIN left	DIN right
For lever handles without handle roses		
Stainless steel matt (304)	981.49.106	981.49.116
For lever handles with handle roses		
Stainless steel matt (304)	981.49.126	981.49.136

NL Lock



NL lock, for aperture parts without roses



NL lock, prepared for lever handles with handle roses

Features

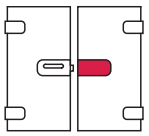
- Version: Llever handle below
- Distance: 72 mm

Material/Finish	DIN left	DIN right
For lever handles without handle roses		
Stainless steel matt (304)	981.49.104	981.49.114
For lever handles with handle roses		
Stainless steel matt (304)	981.49.124	981.49.134

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Strike patch GHP 200 StarTec

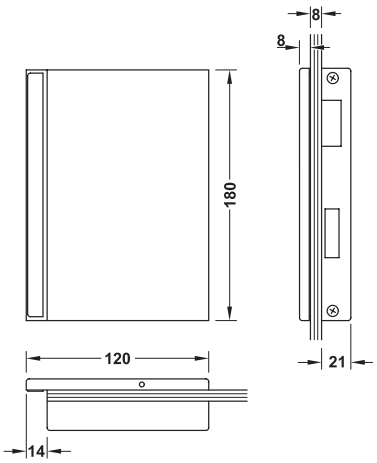




Features

- Area of application: For double doors made of tempered safety glass
- For glass thickness: 8 mm
- Version: 2-piece, with stop, protrudes the glass edge
- Mounting: For DIN left and DIN right hande use

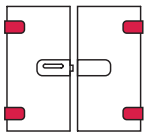
Material/Finish	DIN left	DIN right
Stainless steel matt (304)	981.49.480	981.49.490



6

2-Piece hinge (wing part)

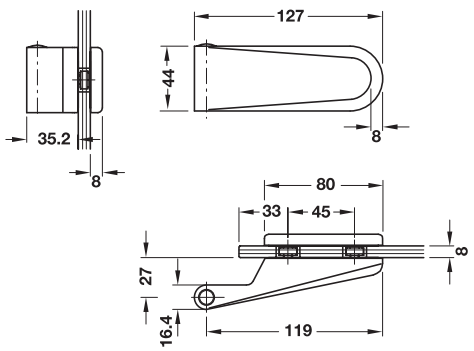




Features

- Area of application: For wooden or steel frames
- For glass thickness: 8 mm
- Door weight: Max. 45 kg
- Knuckle Ø: 16.4 mm

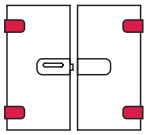
Material/Finish	Cat. No.
Stainless steel matt (304)	981.01.530

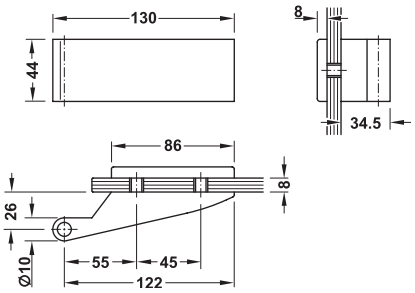


We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

2-Piece hinge (wing part)







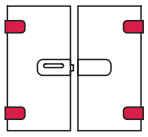
Features

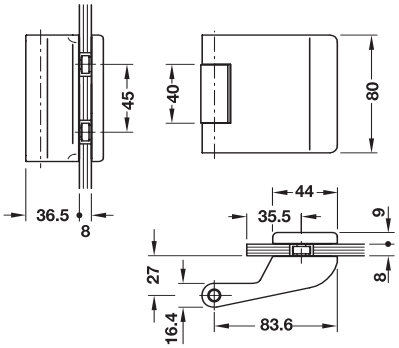
- Area of application: For wooden or steel frames
- For glass thickness: 8 mm
- Door weight: Max. 45 kg
- Knuckle Ø: 16.4 mm

Material/Finish	Cat. No.
Stainless steel matt (304)	981.49.020

3-Piece hinge (wing part)







Features

- Area of application: For wooden or steel frames
- For glass thickness: 8 mm
- Door weight: Max. 55 kg
- Knuckle Ø: 16.4 mm

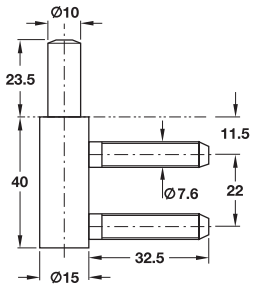
Material/Finish	Cat. No.
Stainless steel matt (304)	981.01.550

6

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Frame part StarTec





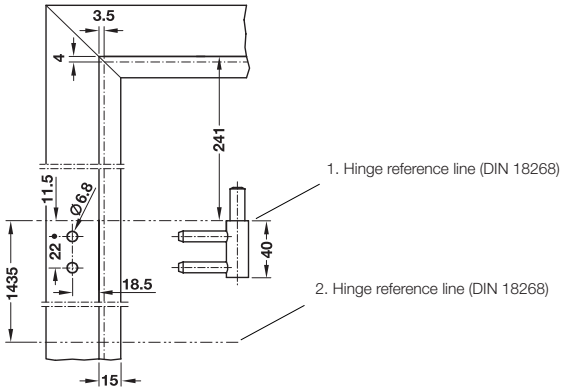
Features

- For wooden frames, for rebated and flush interior doors, for 2-piece hinges
- Bearing: Maintenance-free friction bearing technology
- Door weight: Max. 40 kg
- Door width: Max. 1,000 mm
- Knuckle Ø: 15 mm
- Drill bit Ø: 6.8 mm (drilling jig Cat. No. 922.15.514)
- Installation: For knocking in
- Mounting: For DIN left hand and DIN right hand use

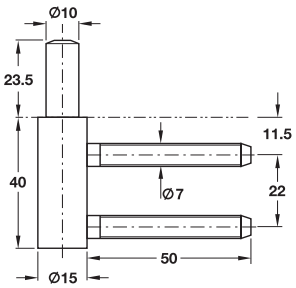
Material/Finish	Cat. No.
Steel galvanized	922.00.290

Packing: 1 pc.

Installation







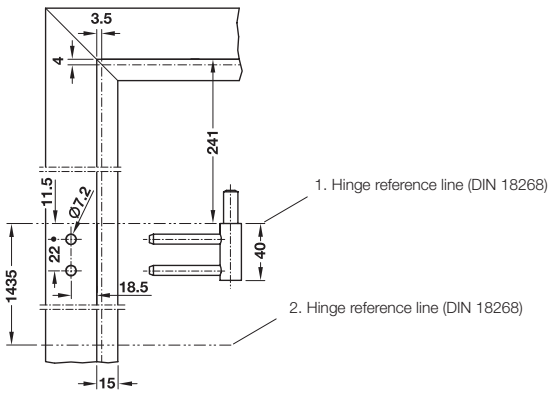
Features

- For wooden frames, for rebated and flush interior doors, for 2-piece hinges
- Bearing: Maintenance-free friction bearing technology
- Door weight: Max. 40 kg
- Door width: Max. 1,000 mm
- Knuckle Ø: 15 mm
- Drill bit Ø: 7.2 mm (drilling jig Cat. No. 922.15.514)
- Installation: To be use in combination with receiver
- Mounting: For DIN left hand and DIN right hand use

Material/Finish	Cat. No.
Steel nickel plated	922.32.271

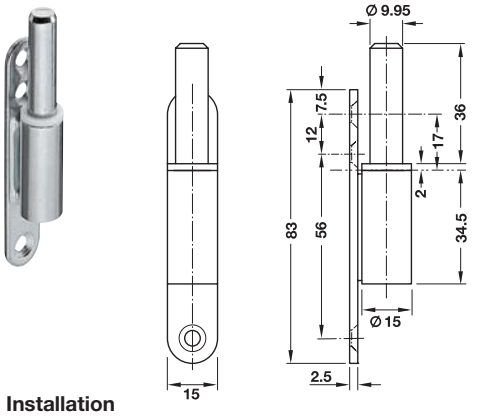
Packing: 1 pc.

Installation

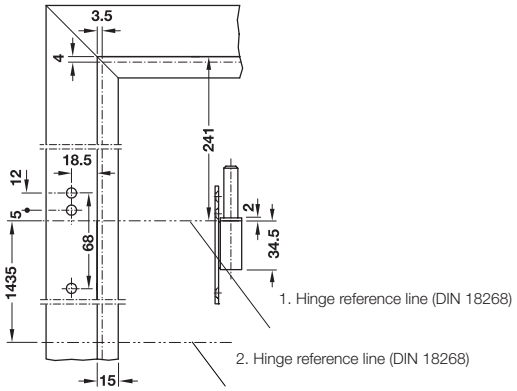


We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Frame part with ring pin StarTec



Installation



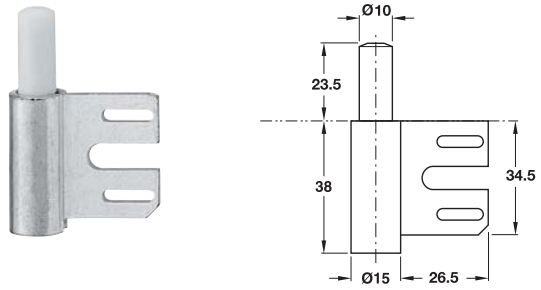
Features

- For wooden frames, for rebated and flush interior doors, for 2-piece hinges
- Bearing: Ring pin
- Door weight: Max. 40 kg
- Door width: Max. 1,000 mm
- Knuckle Ø: 15 mm
- Installation: For screw fixing
- Mounting: For DIN left hand and DIN right hand use

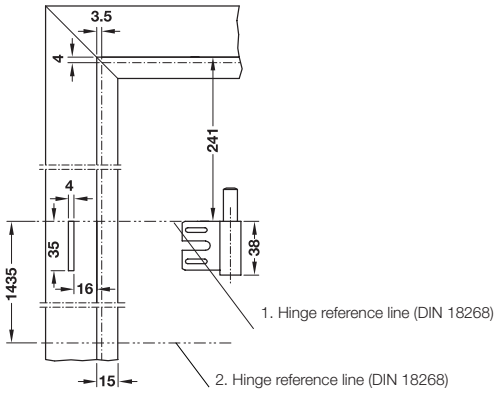
Material/Finish	Cat. No.
Steel galvanized	922.02.290

Packing: 1 pc.

Frame part StarTec



Installation



Features

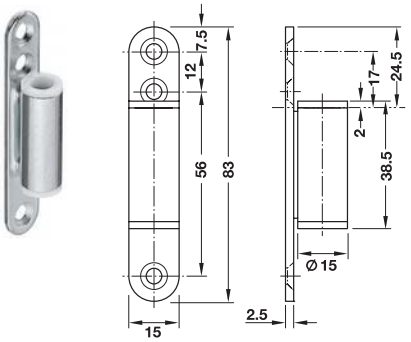
- For steel frames, for rebated and flush interior doors, for 2-piece hinges
- Bearing: Maintenance-free friction bearing technology
- Door weight: Max. 40 kg
- Door width: Max. 1,000 mm
- Knuckle Ø: 15 mm
- Drill bit Ø: 7.2 mm (drilling jig Cat. No. 922.39.040)
- Installation: To be use in combination with weld-on pocket
- Mounting: For DIN left hand and DIN right hand use

Material/Finish	Cat. No.
Steel nickel plated	922.00.390

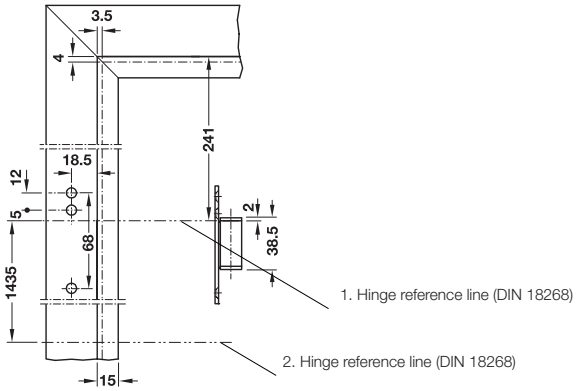
Packing: 1 pc.

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Frame part with arbor-bearing sleeves StarTec



Installation



Features

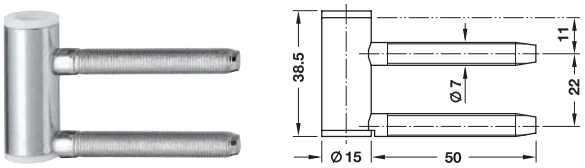
- For wooden frames, for rebated and flush interior doors, for 3-piece hinges
- Bearing: Maintenance-free friction bearing technology
- Door weight: Max. 40 kg
- Door width: Max. 1,000 mm
- Knuckle Ø: 15 mm
- Installation: For screw fixing
- Mounting: For DIN left hand and DIN right hand use

Material/Finish	Cat. No.
Steel galvanized	922.02.390

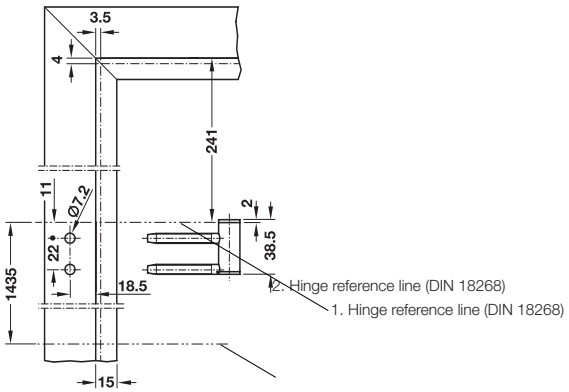
Packing: 1 pc.

6

Frame part StarTec



Installation



Features

- For wooden frames, for rebated and flush interior doors, for 3-piece hinges
- Bearing: Maintenance-free friction bearing technology
- Door weight: Max. 70 kg
- Door width: Max. 1,000 mm
- Knuckle Ø: 15 mm
- Drill bit Ø: 7.2 mm (drilling jig Cat. No. 922.15.514)
- Installation: To be used in combination with receiver
- Mounting: For DIN left hand and DIN right hand use

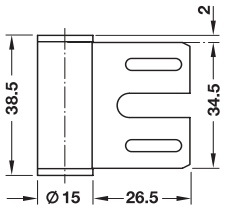
Material/Finish	Cat. No.
Steel galvanized	922.01.990

Packing: 1 pc.

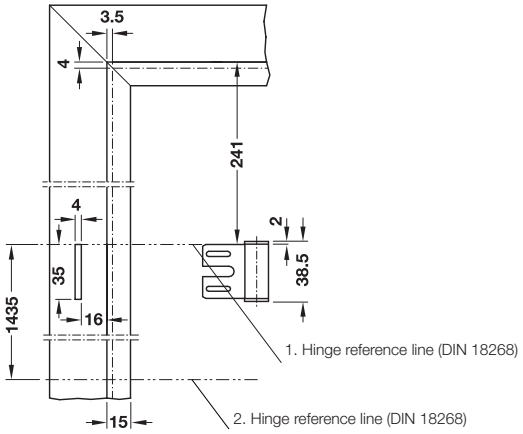
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Frame part V 8000 S-GKL StarTec





Installation



Features

- For steel frames, for rebated and flush interior doors, for 3-piece hinges
- Bearing: Maintenance-free friction bearing technology
- Door weight: Max. 70 kg
- Door width: Max. 1,000 mm
- Knuckle Ø: 15 mm (drilling jig Cat. No. 922.39.040)
- Installation: To be used in combination with receiver
- Mounting: For DIN left hand and DIN right hand use

Material/Finish	Cat. No.
Steel galvanized	922.00.990

Packing: 1 pc.

Weld-on pocket StarTec



Features

- For steel frames
- For flush and rebated frames
- Variable adjustable
- Hinge can be changed retrospectively
- Mounting: For DIN left hand and DIN right hand use

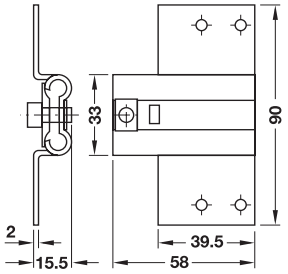
Material/Finish	Cat. No.
Steel galvanized	922.39.040

Packing: 1 pc.

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Screw-on pocket StarTec





Features

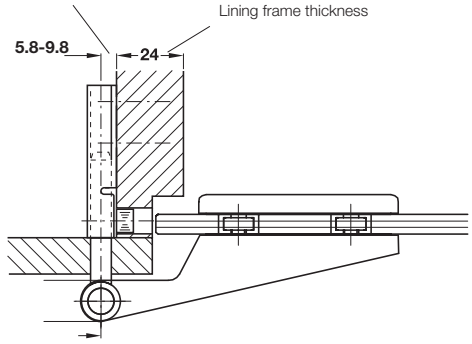
- For wooden lining frames
- Material: Steel
- Finish: Galvanized
- Mounting: For DIN left hand and DIN right hand use

Model	Installation height mm	Cat. No.
V 3611	5.8	922.08.090
V 3612	7.8	922.08.190
V 3613	8.8	922.08.290
V 3614	9.8	922.08.390

Packing: 1 pc.

Installation

Installation height



Dimension X = Frame rebate to centre of drill hole

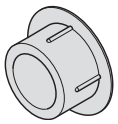
Installation height = Dimension X + Rebate width - Lining frame thickness

Dimension X must be between 18.5 and 20.5 mm

Note

Re-drill pin holes with 7.2 mm when using plastic drilling jig Cat. No. 922.15.514

Cover cap



Features

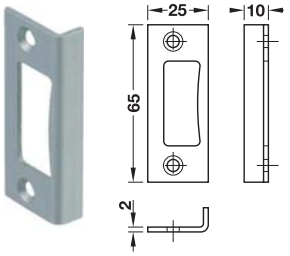
- Area of application: For screw-on pockets, for covering the rebate holes in the frame
- Diameter Ø: 10 mm

Material	Colour	Cat. No.
Plastic	Light brown, RAL 1011	922.08.441
	Black, RAL 9005	922.08.407
	White, RAL 9016	922.08.400
	Beige, RAL 1014	922.08.440

Packing: 1 pc.

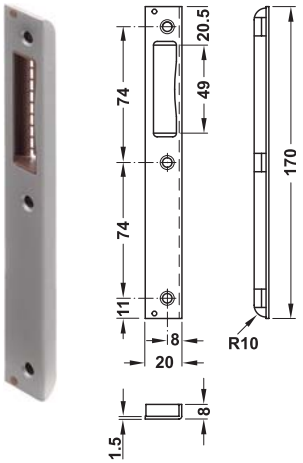
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Angled striking plate



Material/Finish	Cat. No.
Aluminium stainless steel coloured	981.27.983

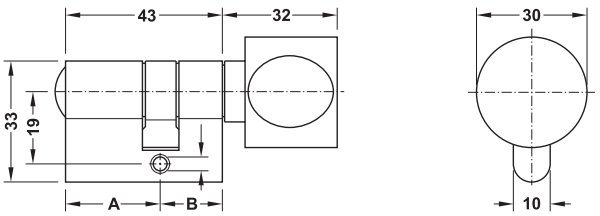
Recess striking plate



Material/Finish	DIN left	DIN right
Steel nickel plated matt	911.39.285	911.39.286

WC thumbturn cylinder





Features

- Area of application: For PC glass door locks
- Material: Brass
- Finish: Nickel plated matt
- Version: Emergency opening function (slot) on the outside

Thumbturn on the	Dim. A mm	Dim. B mm	Cat. No.
Lock side	26	17	981.49.300
Other side of the lock	17	26	981.49.301

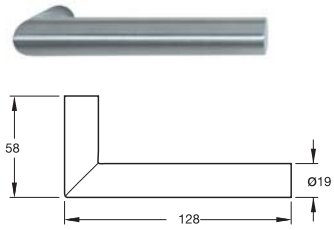
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Handles for spring bolt locks StarTec

Lever handles

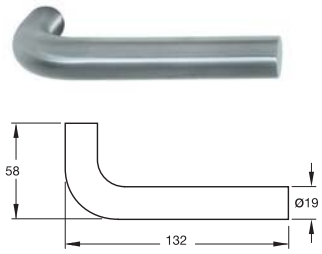
Areas of application

- For Häfele spring bolt locks (page 6.30–6.43)



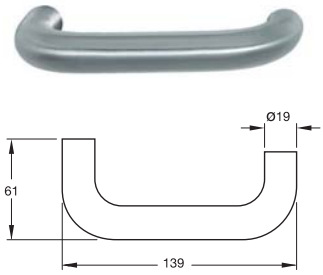
Material/Finish	Cat. No.
Stainless steel matt	902.30.222

Packing: 1 piece



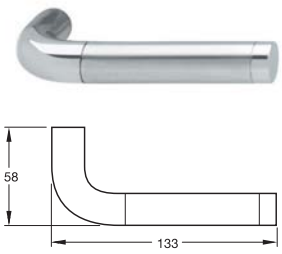
Material/Finish	Cat. No.
Stainless steel matt	902.30.232

Packing: 1 piece



Material/Finish	Cat. No.
Stainless steel matt	902.30.242

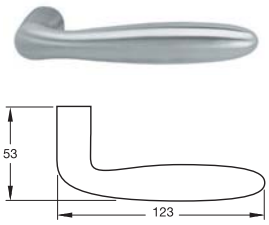
Packing: 1 piece



Material/Finish	Cat. No.
Stainless steel polished/matt	902.30.292

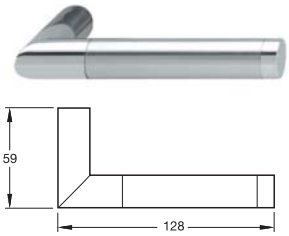
Packing: 1 piece

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



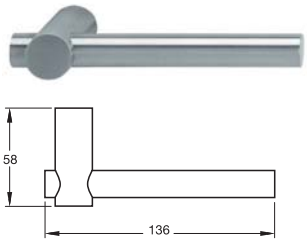
Material/Finish	Cat. No.
Stainless steel matt	902.30.370

Packing: 1 piece



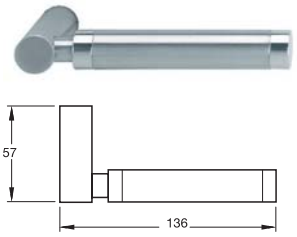
Material/Finish	Cat. No.
Stainless steel polished/matt	902.30.372

Packing: 1 piece



Material/Finish	Cat. No.
Stainless steel matt	902.30.660

Packing: 1 piece

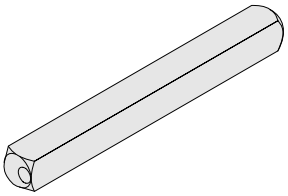


Material/Finish	Cat. No.
Stainless steel polished/matt	902.30.671

Packing: 1 piece

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Spindle, split StarTec



Required spindle length

Version	Glass thicknesses mm		
	8	10	12
GHR 100	105	105	110
GHR 200			
GHR 300	100	100	105
GHR 400			
GHP 100	100	100	105
GHP 200			

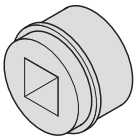
Features

- Area of application: Residential areas, projects
- Material: Steel
- Finish: Galvanized
- Dimensions (W x H): 8 x 8 mm

Length mm	Cat. No.
100	909.46.028
105	909.46.030
110	909.46.031

Packing: 1 pc.

Adapter for lever handle aperture part StarTec



Features

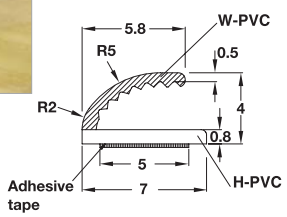
- Area of application: For mounting StarTec lever handle aperture parts on glass door locks

Material	Colour	Cat. No.
Plastic	White	909.09.740
	Black	909.09.741

Packing: 1 pc.

Self-adhesive profile for glass panel StarTec





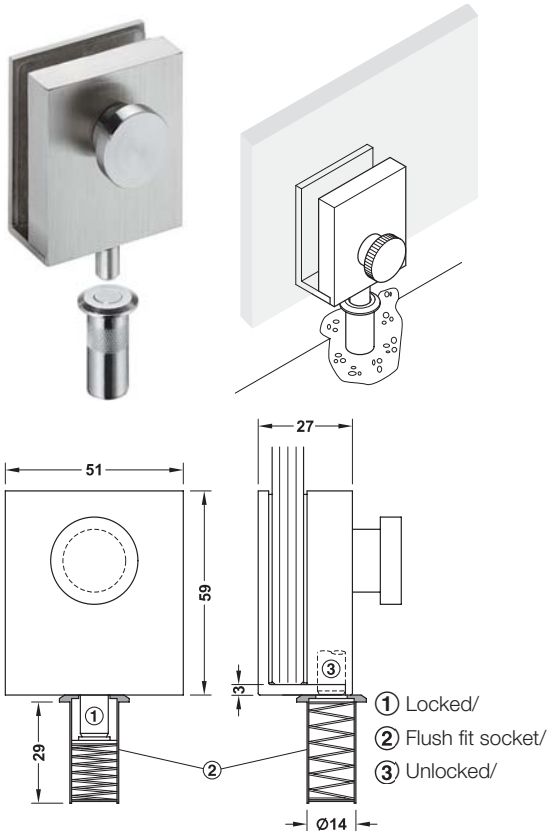
Features

- For glass door thickness: Min. 6 mm
- Material: Plastic
- Colour: White transparent

Length mm	For glass thickness mm	Cat. No.
3,000	6	950.08.830

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Slide-on door bolt

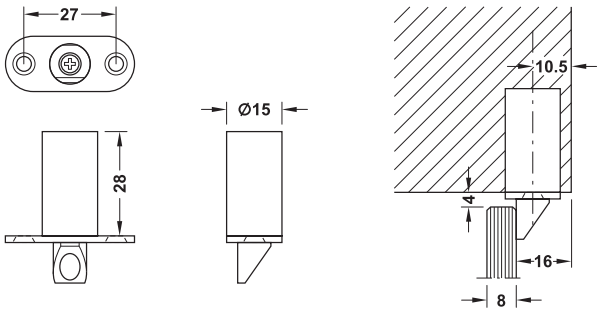


Features

- Area of application: For double doors made of tempered safety glass, for holding the inactive leaf
- For glass thickness: 8–10 mm
- Installation: No glass preparation required, loosen screws, slide door bolt on glass door, tighten screws, flush fit socket in floor or ceiling

Material/Finish	Cat. No.
Stainless steel matt	981.49.910
Stainless silver coloured	981.49.911

Door catch

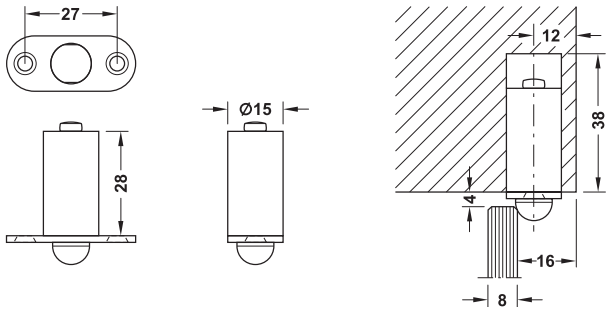


Features

- Area of application: For double doors made of tempered safety glass, for holding the inactive leaf, manual release

Material/Finish	Cat. No.
Plastic black	981.27.902

Door catch with round bolt



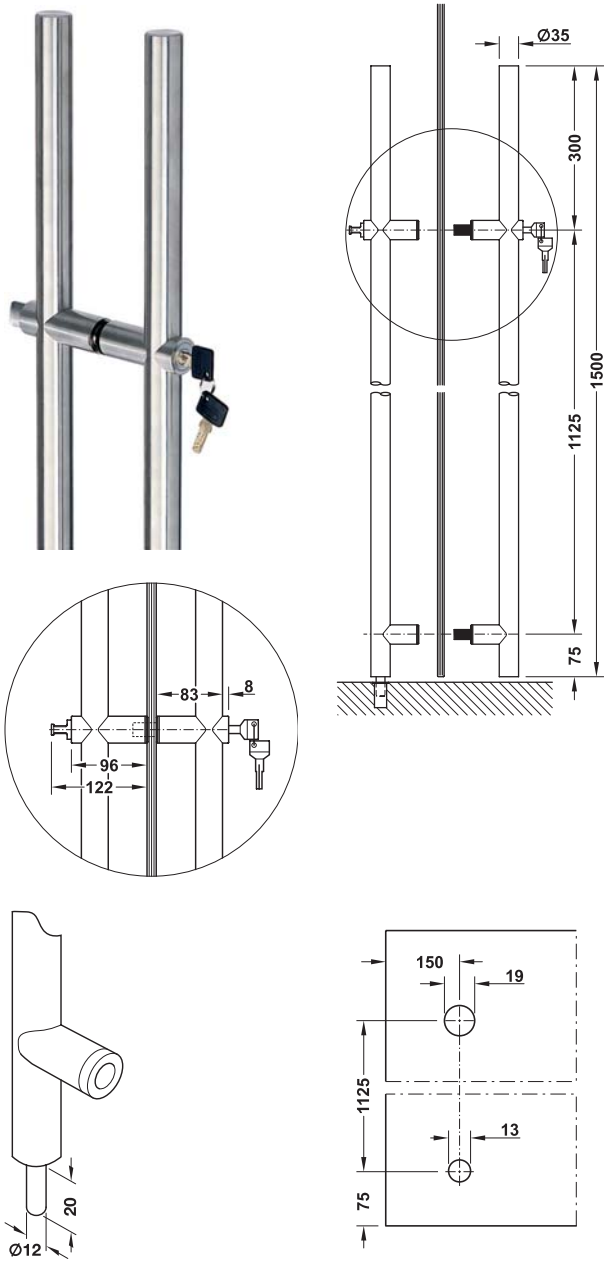
Features

- Area of application: For double doors made of tempered safety glass, for holding the inactive leaf

Material/Finish	Cat. No.
Plastic black	981.27.903

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

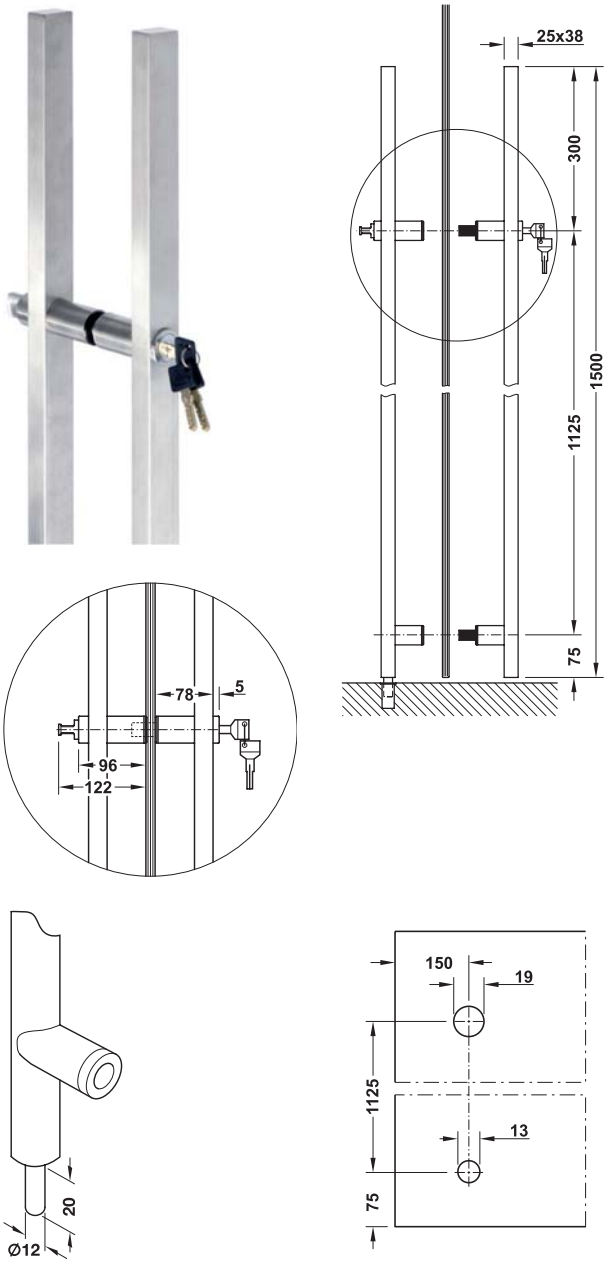
Door handle, lockable



Features

- Material: Stainless steel
- Finish: Matt
- Tube diameter Ø: 35 mm
- For glass thickness: 8–12 mm

Version	Cat. No.
Lockable from inside (with thumbturn)	903.03.674



Features

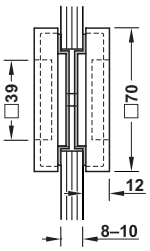
- Material: Stainless steel
- Finish: Matt
- Tube dimension: 25 x 40 mm
- For glass thickness: 8–12 mm

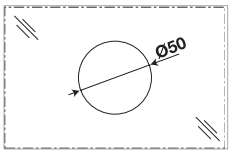
Version	Cat. No.
Lockable from inside (with thumbturn)	903.03.684

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Flush pull handle





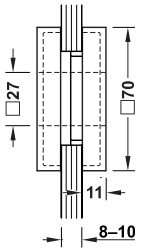


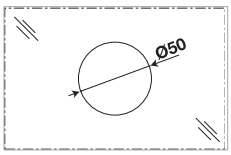
Features

- Area of application: For glass thickness 8–10 mm
- Drill whole Ø: 50 mm
- Installation: For clamp fixing

Material/Finish	Cat. No.
Aluminium stainless steel coloured anodized	981.49.340







Features

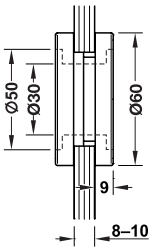
- Area of application: For glass thickness 8–10 mm
- Drill whole Ø: 50 mm
- Installation: For clamp fixing

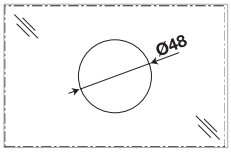
Material/Finish	Cat. No.
Aluminium stainless steel coloured anodized	981.49.330

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Flush pull handle





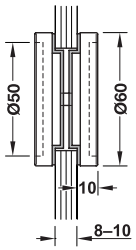


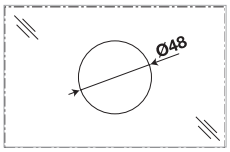
Features

- Area of application: For glass thickness 8–10 mm
- Drill whole Ø: 48 mm
- Installation: For clamp fixing

Material/Finish	Cat. No.
Stainless steel (304) matt	981.52.521







Features

- Area of application: For glass thickness 8–10 mm
- Drill whole Ø: 48 mm
- Installation: For clamp fixing

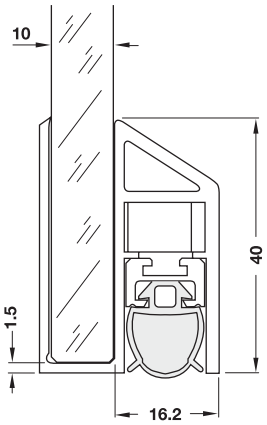
Material/Finish	Cat. No.
Stainless steel (304) matt	981.52.531

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Automatic glass door seal StarTec

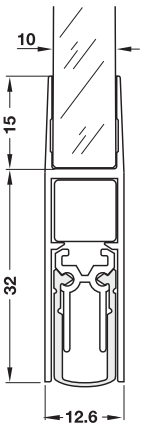


DUO GS





DUO GS-H/GS-H



Features

- For glass doors where sound proofing, smoke protection and fire protection are required
- Suitable for DIN left hand and DIN right hand
- Optional with single-end or double-end (DUO) release
- Silent closing
- Adjustable sealing height

Technical data

- Max sealing height: 11 mm
- Can be shortened at one end up to: 125 mm

Finish

- Exterior housing: Aluminium, silver colour ed anodized
- Sealing profile: Silicone grey, self-extinguishing

Installation

- With silicone adhesive, with VSG only use adhesives and sealants approved by the glass manufacturer
- With models GS-H the glass height must be 32 mm shorter
- Models GS must be installed on the opening side

Supplied with

1 Automatic door seal
1 Release plate (2 release plate with model DUO)
Installation instructions

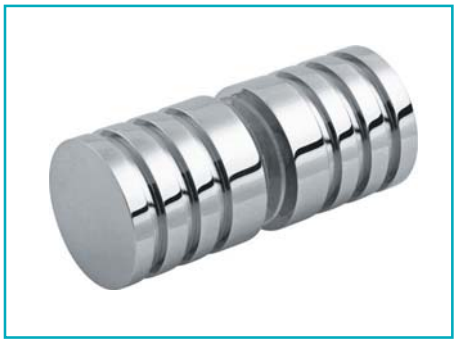
Length mm	Glass thickness mm	Double-side release		Single-side release
		DUO GS	DUO GS-H	GS-H
708	10	950.10.481	950.10.471	950.10.461
833		950.10.482	950.10.472	950.10.462
958		950.10.483	950.10.473	950.10.463
1,083		950.10.484	950.10.474	950.10.464
1,208		950.10.485	950.10.475	950.10.465

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

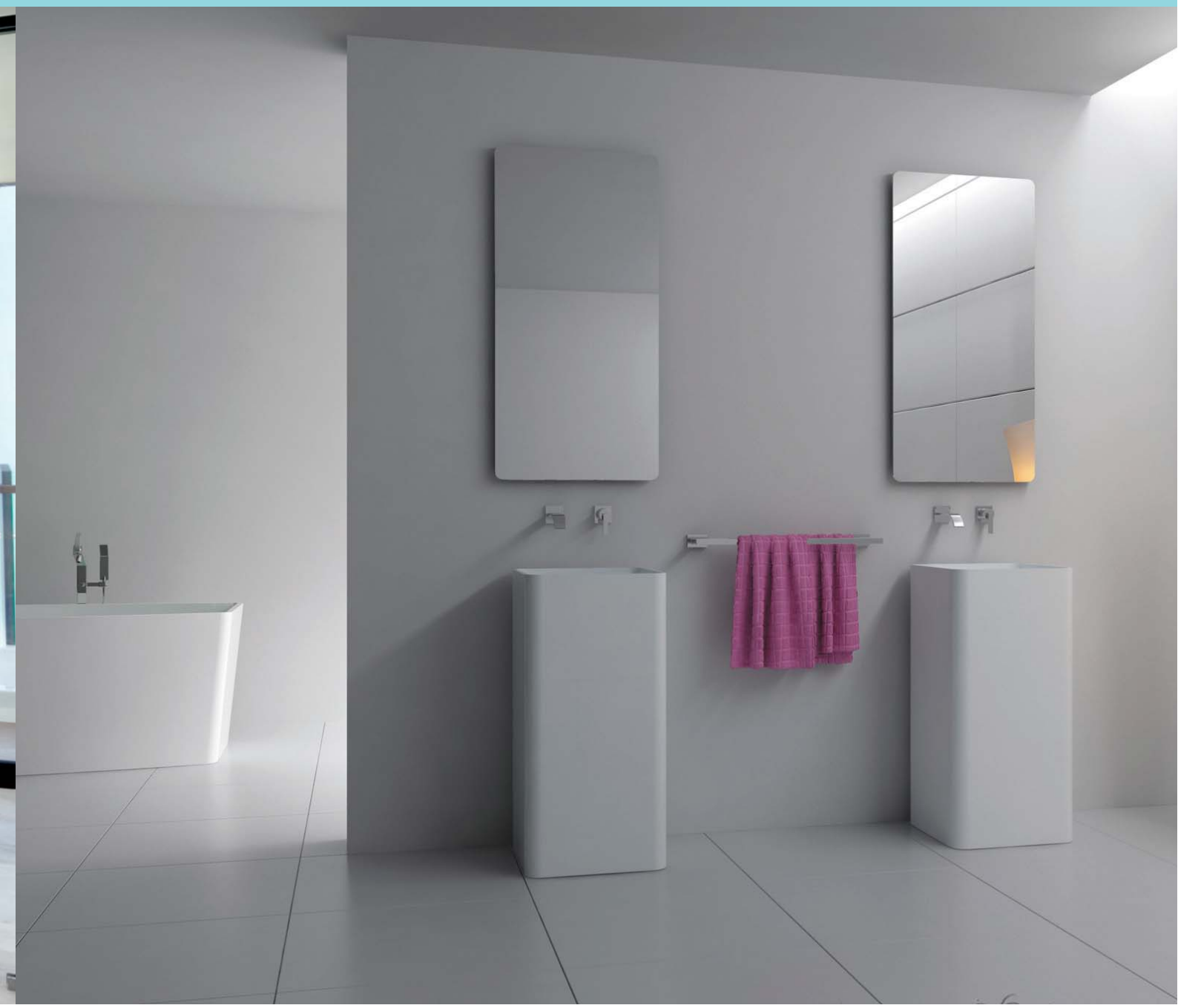
7 Bathroom Fittings









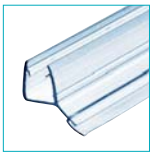








Shower door fittings


Glass hinge & clamp 7.6

Sliding glass door fitting for shower doors 7.28

Shower room connector 7.30

Glass door seal 7.32

Glass door lock 7.35

Pull handle set & Back to back knob set 7.36, 7.39

Basins & Bathtubs





Basin 7.44

Bathtub 7.46

Taps & Mixer





Series - NILE 7.47

Series - SEINE 7.50

Series - GEMMA 7.52

Bathroom accessories





Series - GEMINI 7.56

Series - LIBRA 7.58

Series - SUBSIDIARY..... 7.59

Cosmetic mirror 7.60

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Shower fittings





Shower column with water heater 7.61

Shower column with thermostatic mixer 7.62

Shower column without thermostatic mixer 7.63

Hand shower set 7.64

Hand shower with shower rail 7.65

Overhead shower 7.66

Shower arm 7.70

Wall connector 7.71

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).



The River, Bangkok

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



Centara Grand Phratamnak Resort, Pattaya

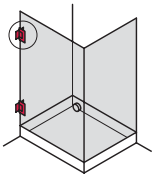


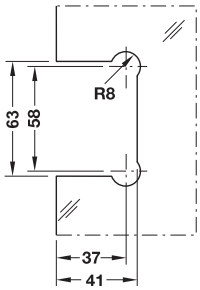
The Signature Residence, Bangkok

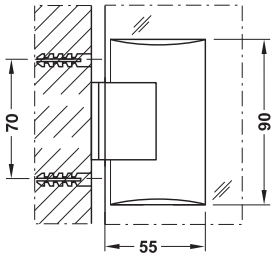
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

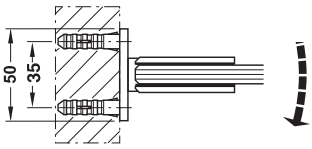
Wall to glass hinge 90°











Features

- Screw fixing to wall
- For glass thicknesses: 8–12 mm
- With automatic closing
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg with 2 hinges
- Opening angle: 90° on both sides

Installation

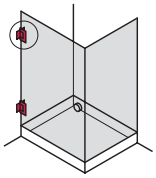
- Clamp fixing with hexagon socket screws

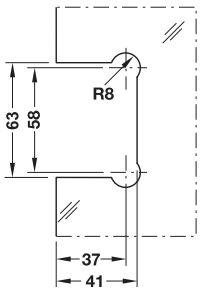
Material/finish	Cat. No.
Brass chrome plated polished	981.52.800

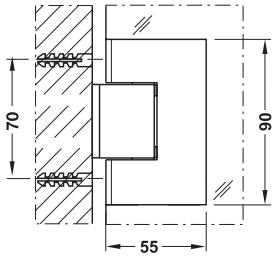
Packing: 1 pc.

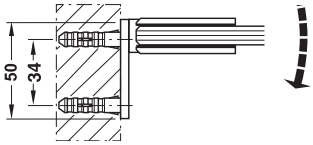
Wall to glass hinge 90°











Features

- Screw fixing to wall
- For glass thicknesses: 8–12 mm
- With automatic closing
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg with 2 hinges
- Opening angle: 90° on both sides

Installation

- Clamp fixing with hexagon socket screws

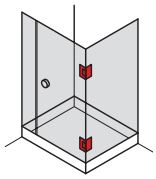
Material/finish	Cat. No.
Brass chrome plated polished	981.52.821

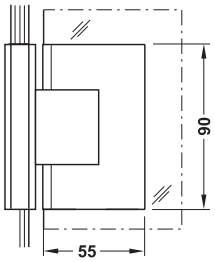
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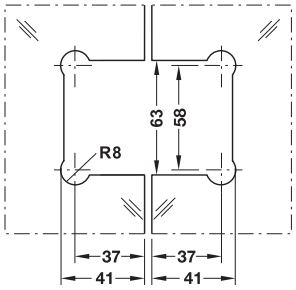
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

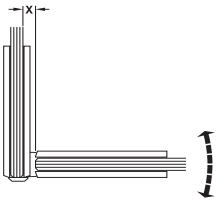
Glass to glass hinge 90°











Features

- For glass thicknesses: 8–12 mm
- With automatic closing
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg with 2 hinges
- Opening angle: 90° on both sides

Installation

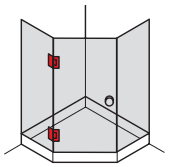
- Clamp fixing with hexagon socket screws

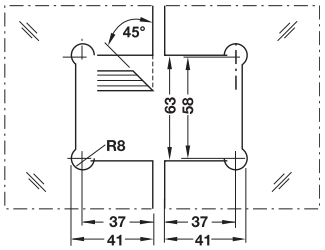
Material/finish	Cat. No.
Brass chrome plated polished	981.52.801

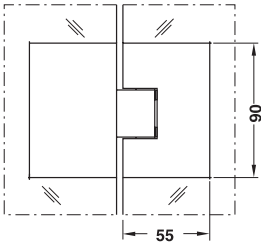
Packing: 1 pc.

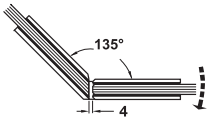
Glass to glass hinge 135°











Cut inner glass edge to 45°

Features

- For glass thicknesses: 8–12 mm
- With automatic closing
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg with 2 hinges
- Opening angle: 135° single outside opening

Installation

- Clamp fixing with hexagon socket screws
- Glass panel inside cut 45°

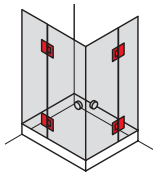
Material/finish	Cat. No.
Brass chrome plated polished	981.52.802

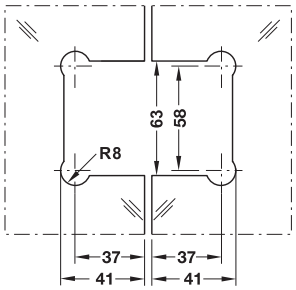
Packing: 1 pc.

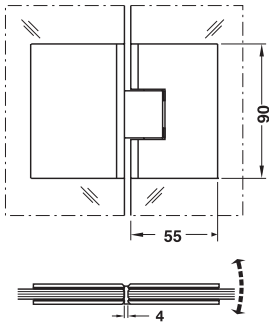
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass to glass hinge 180°









Features

- For glass thicknesses: 8–12 mm
- With automatic closing
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg with 2 hinges
- Opening angle: 180°

Installation

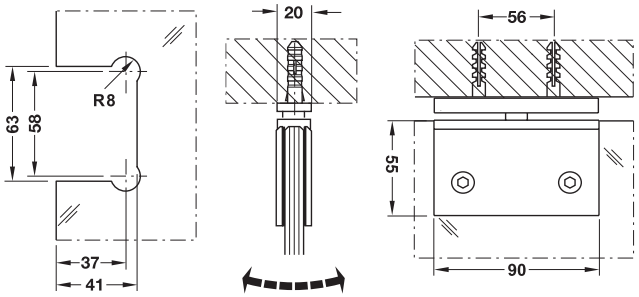
- Clamp fixing with hexagon socket screws

Material/finish	Cat. No.
Brass chrome plated polished	981.52.803

Packing: 1 pc.

Wall to glass hinge 360°





Features

- Screw fixing to wall
- For glass thicknesses: 8–12 mm
- With automatic closing
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg with 2 hinges
- Opening angle: 360°

Installation

- Clamp fixing with hexagon socket screws

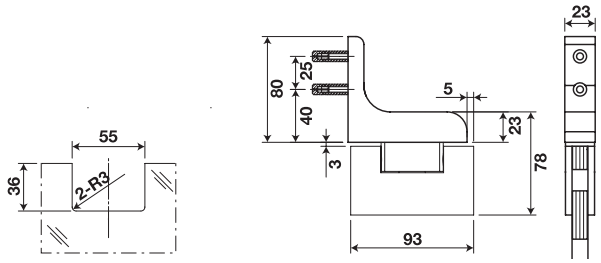
Material/finish	Cat. No.
Brass chrome plated polished	981.52.826

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Wall to glass hinge 360°





Features

- Screw fixing to wall
- For glass thicknesses: 8–12 mm
- With automatic closing
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg with 2 hinges
- Opening angle: 360°

Installation

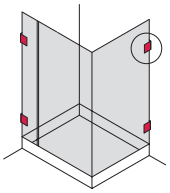
- Clamp fixing with hexagon socket screws

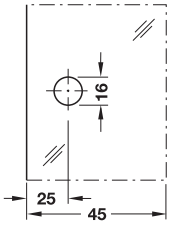
Material/finish	Cat. No.
Brass chrome plated polished	981.52.827

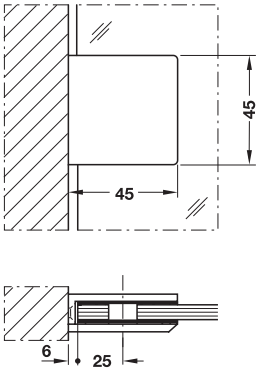
Packing: 1 pc.

Wall to glass clamp 90°









Features

- For concealed screw fixing to wall
- For glass thicknesses: 8–12 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg

Installation

- Clamp fixing with hexagon socket screws

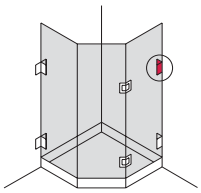
Material/finish	Cat. No.
Brass chrome plated polished	981.52.828

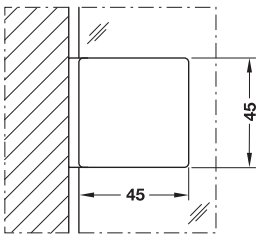
Packing: 1 pc.

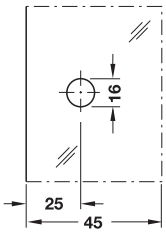
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

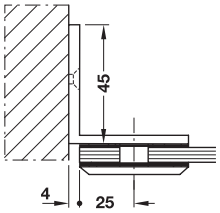
Wall to glass clamp with plate 90°











Features

- Screw fixing to wall
- For glass thicknesses: 8–12 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg

Installation

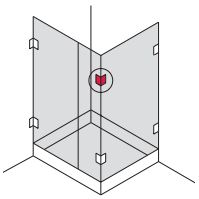
- Clamp fixing with hexagon socket screws

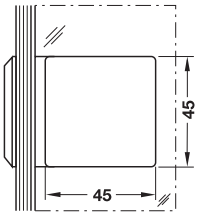
Material/finish	Cat. No.
Brass chrome plated polished	981.52.829

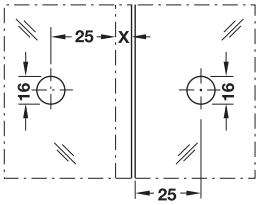
Packing: 1 pc.

Glass to glass clamp 90°

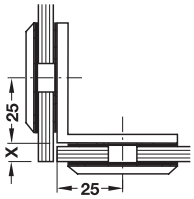








Size x = Glass thickness+2mm



Features

- Glass to glass panel connector
- For glass thicknesses: 8–12 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg

Installation

- Clamp fixing with hexagon socket screws

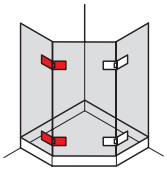
Material/finish	Cat. No.
Brass chrome plated polished	981.52.830

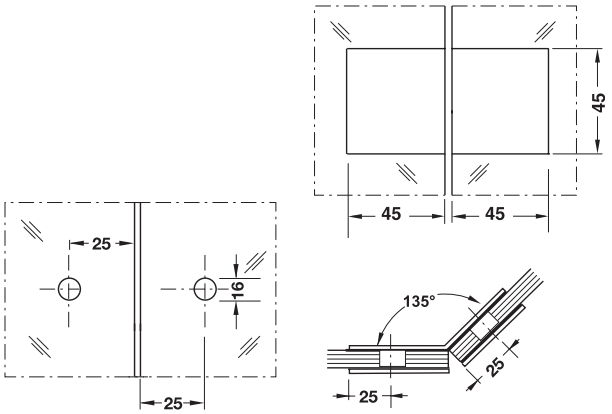
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass to glass clamp 135º







Features

- Glass to glass panel connector
- For glass thicknesses: 8–12 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg

Installation

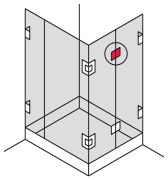
- Clamp fixing with hexagon socket screws

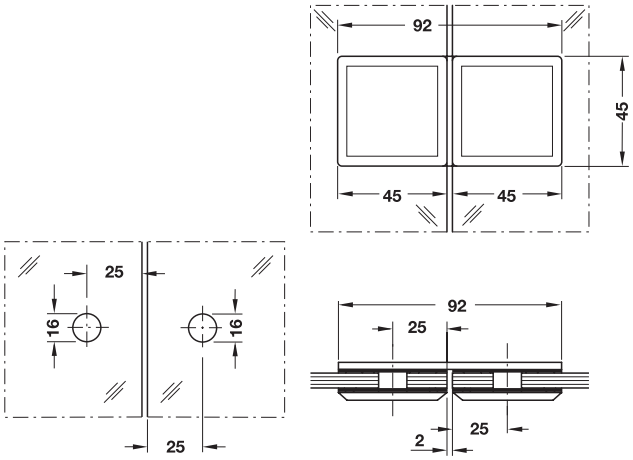
Material/finish	Cat. No.
Brass chrome plated polished	981.52.822

Packing: 1 pc.

Glass to glass clamp 180º







Features

- Glass to glass panel connector
- For glass thicknesses: 8–12 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg

Installation

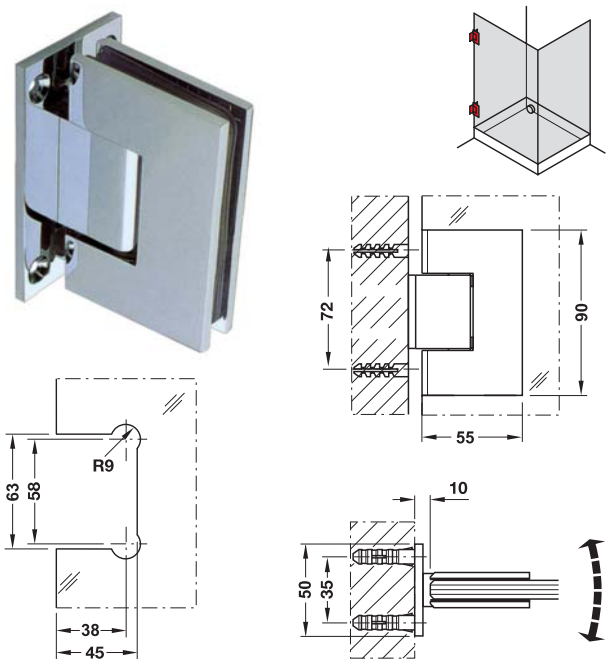
- Clamp fixing with hexagon socket screws

Material/finish	Cat. No.
Brass chrome plated polished	981.52.815

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Wall to glass hinge 90°



Features

- Screw fixing to wall
- For glass thicknesses 8–12 mm
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 45 kg with 2 hinges

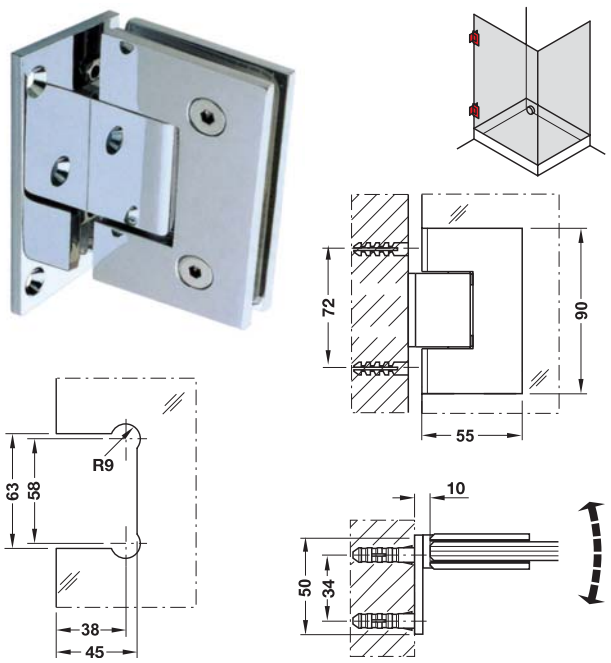
Installation

- Clamp fixing with hexagon socket screws

Material/finish	Cat. No.
Stainless steel polished (304)	981.52.001

Packing: 1 pc.

Wall to glass hinge 90°



Features

- Screw fixing to wall
- For glass thicknesses 8–12 mm
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 45 kg with 2 hinges

Installation

- Clamp fixing with hexagon socket screws

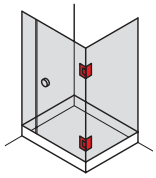
Material/finish	Cat. No.
Stainless steel polished (304)	981.52.091

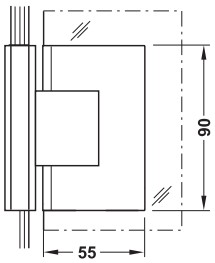
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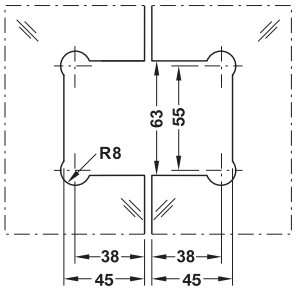
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

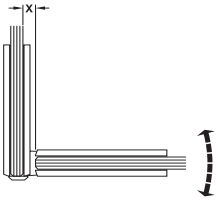
Glass to glass hinge 90°











Features

- Glass to glass panel connector
- For glass thicknesses 8–12 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg

Installation

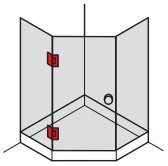
- Clamp fixing with hexagon socket screws

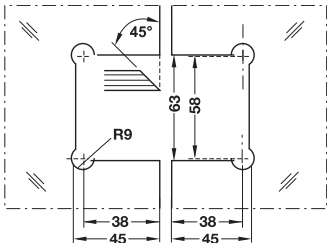
Material/finish	Cat. No.
Stainless steel polished (304)	981.52.031

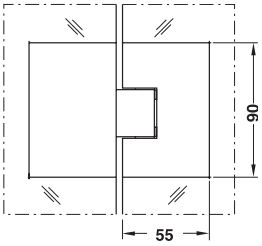
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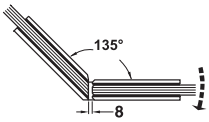
Glass to glass hinge 135°











Cut inner glass edge to 45°

Features

- Glass to glass panel connector
- For glass thicknesses 8–12 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg

Installation

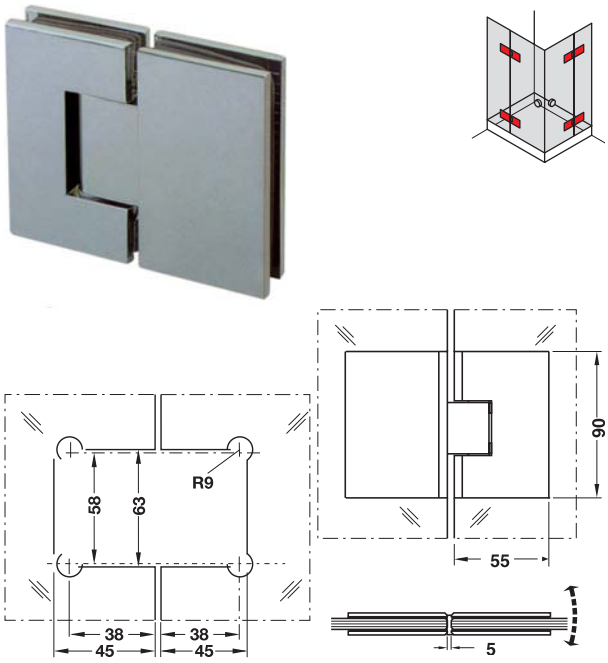
- Clamp fixing with hexagon socket screws

Material/finish	Cat. No.
Stainless steel polished (304)	981.52.021

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass to glass hinge 180°



Features

- Glass to glass panel connector
- For glass thicknesses 8–12 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg

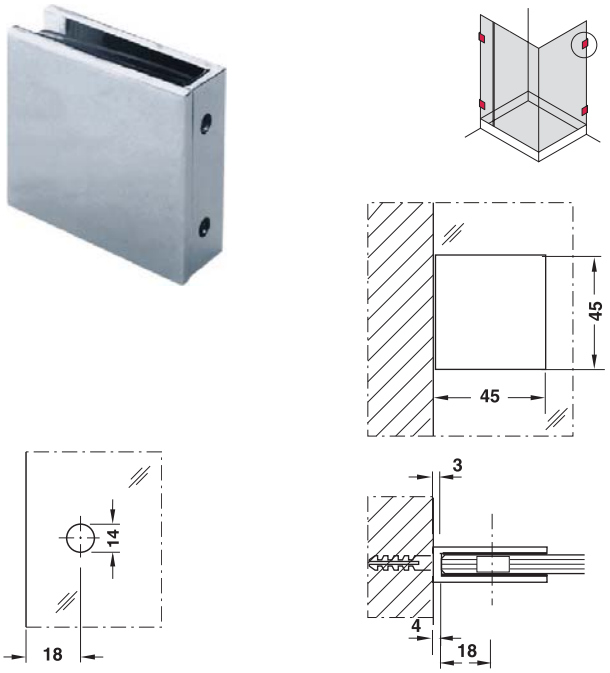
Installation

- Clamp fixing with hexagon socket screws

Material/finish	Cat. No.
Stainless steel polished (304)	981.52.011

Packing: 1 pc.

Wall to glass clamp 90°



Features

- For concealed screw fixing to wall
- For glass thicknesses 8–12 mm
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 45 kg

Installation

- Clamp fixing with hexagon socket screws

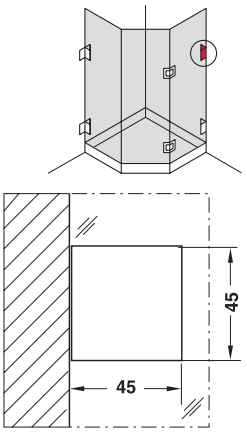
Material/finish	Cat. No.
Stainless steel polished (304)	981.52.041

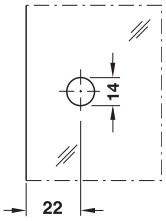
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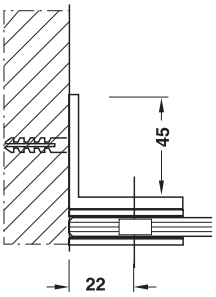
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Wall to glass clamp 90°









Features

- Screw fixing to wall
- For glass thicknesses 8–12 mm
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 45 kg

Installation

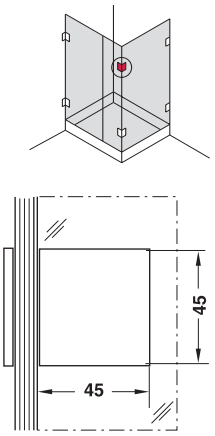
- Clamp fixing with hexagon socket screws

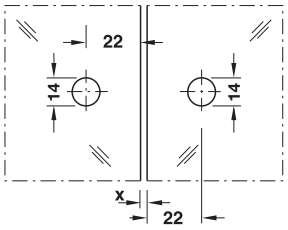
Material/finish	Cat. No.
Stainless steel polished (304)	981.52.051

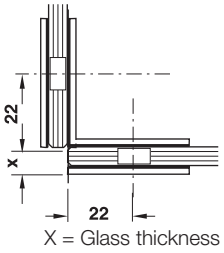
Packing: 1 pc.

Glass to glass clamp 90°









X = Glass thickness

Features

- Glass to glass panel connector
- For glass thicknesses 8–12 mm
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 45 kg

Installation

- Clamp fixing with hexagon socket screws

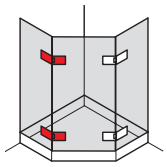
Material/finish	Cat. No.
Stainless steel polished (304)	981.52.061

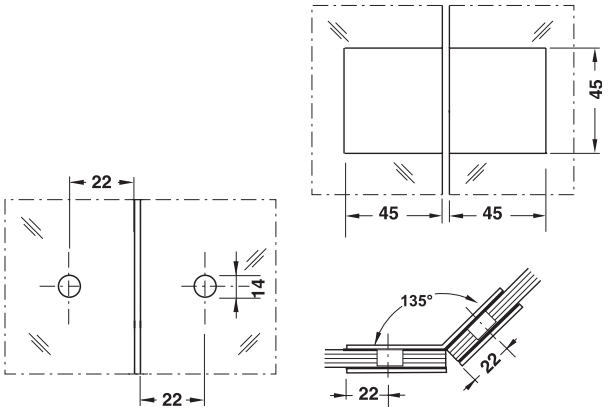
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass to glass clamp 135°







Features

- Glass to glass panel connector
- For glass thicknesses 8–12 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg

Installation

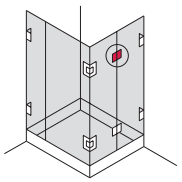
- Clamp fixing with hexagon socket screws

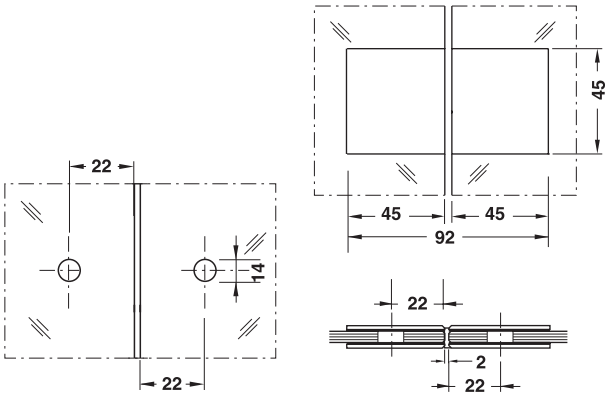
Material/finish	Cat. No.
Stainless steel polished (304)	981.52.071

Packing: 1 pc.

Glass to glass clamp 180°







Features

- Glass to glass panel connector
- For glass thicknesses 8–12 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg

Installation

- Clamp fixing with hexagon socket screws

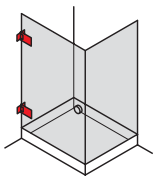
Material/finish	Cat. No.
Stainless steel polished (304)	981.52.081

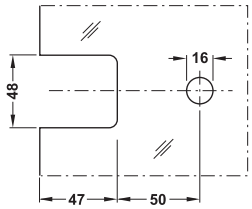
Packing: 1 pc.

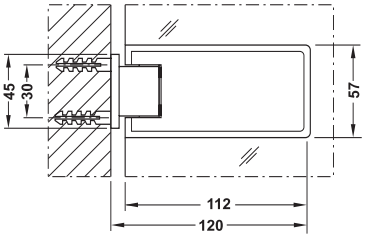
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

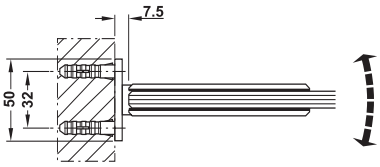
Wall to glass hinge 90°











Features

- Screw fixing to wall
- For glass thicknesses 8–12 mm
- With automatic closing
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 40 kg with 2 hinges
- Opening angle: 90° on both sides

Installation

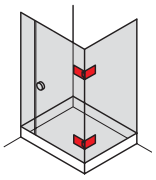
- Clamp fixing with hexagon socket screws

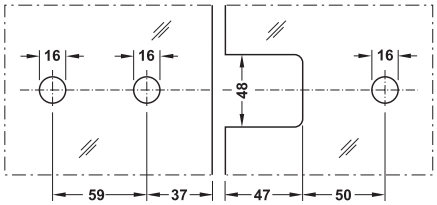
Material/finish	Cat. No.
Brass chrome plated polished	981.53.192

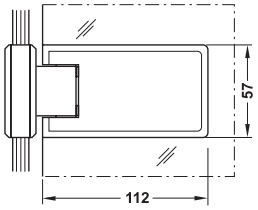
Packing: 1 pc.

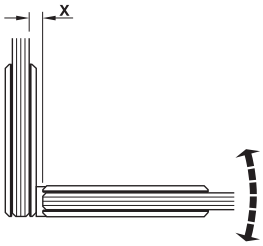
Glass to glass hinge 90°











Features

- For glass thicknesses 8–12 mm
- With automatic closing
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 40 kg with 2 hinges
- Opening angle: 90° on both sides

Installation

- Clamp fixing with hexagon socket screws

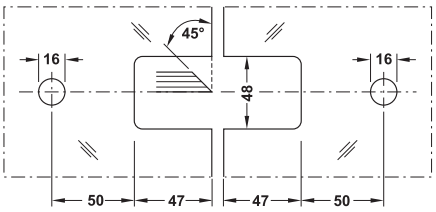
Material/finish	Cat. No.
Brass chrome plated polished	981.53.202

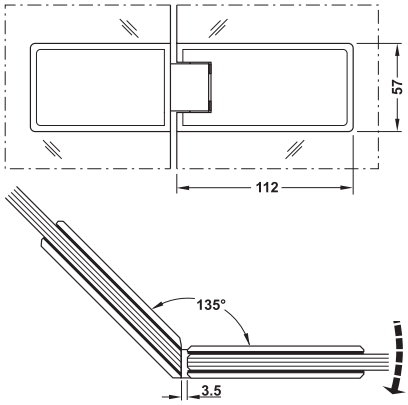
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass to glass hinge 135°







Cut inner glass edge to 45°

Features

- For glass thicknesses: 8–12 mm
- With automatic closing
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 40 kg with 2 hinges
- Opening angle: 135° single outside opening

Installation

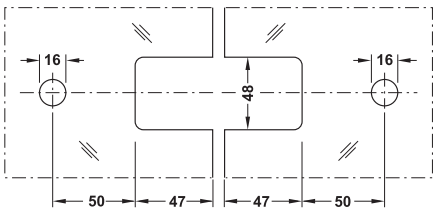
- Clamp fixing with hexagon socket screws
- Glass panel inside cut 45°

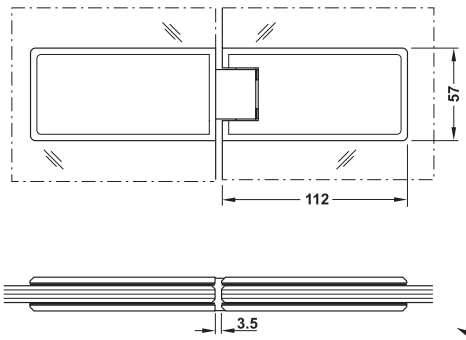
Material/finish	Cat. No.
Brass chrome plated polished	981.53.212

Packing: 1 pc.

Glass to glass hinge 180°







Features

- For glass thicknesses: 8–12 mm
- With automatic closing
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 40 kg with 2 hinges
- Opening angle: 180° single outside opening

Installation

- Clamp fixing with hexagon socket screws

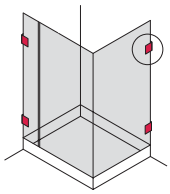
Material/finish	Cat. No.
Brass chrome plated polished	981.53.222

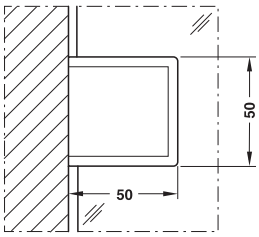
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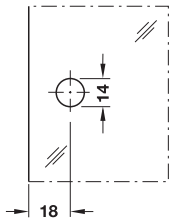
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

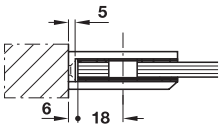
Wall to glass clamp 90°











Features

- For concealed screw fixing to wall
- For glass thicknesses: 8–10 mm
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 50 kg

Installation

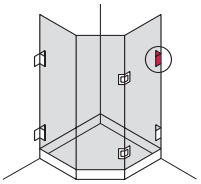
- Clamp fixing with hexagon socket screws

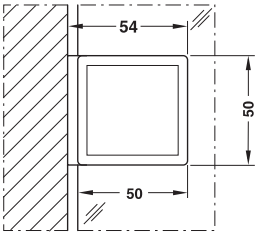
Material/finish	Cat. No.
Brass chrome plated polished	981.02.242

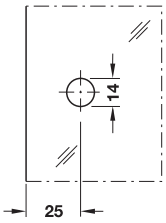
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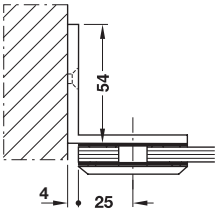
Wall to glass clamp 90º











Features

- Screw fixing to wall
- For glass thicknesses: 8–10 mm
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 50 kg

Installation

- Clamp fixing with hexagon socket screws

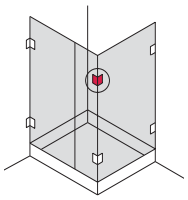
Material/finish	Cat. No.
Brass chrome plated polished	981.02.252

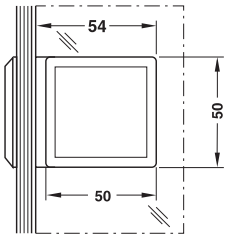
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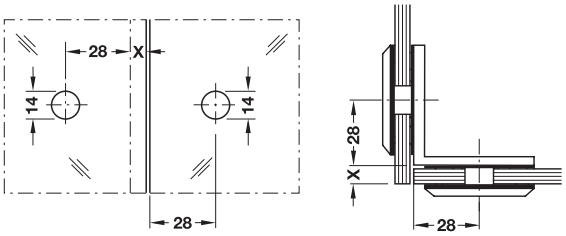
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass to glass clamp 90°









Size x = Glass thickness+2mm

Features

- Glass to glass panel connector
- For glass thicknesses: 8–10 mm
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 50 kg

Installation

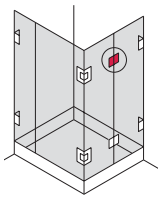
- Clamp fixing with hexagon socket screws

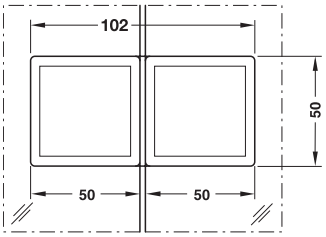
Material/finish	Cat. No.
Brass chrome plated polished	981.02.262

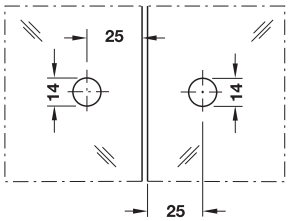
Packing: 1 pc.

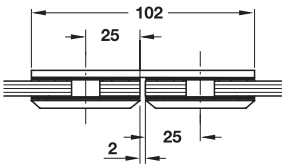
Glass to glass clamp 180°











Features

- Glass to glass panel connector
- For glass thicknesses: 8–10 mm
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 50 kg

Installation

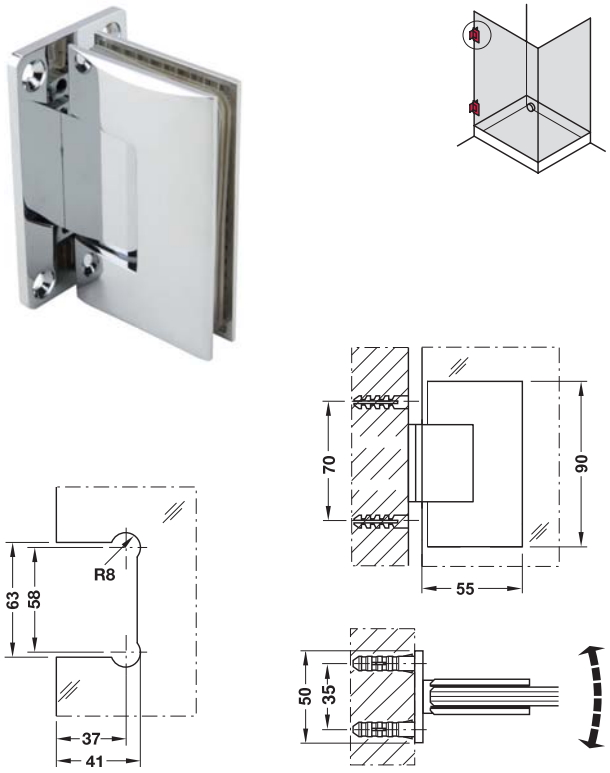
- Clamp fixing with hexagon socket screws

Material/finish	Cat. No.
Brass chrome plated polished	981.02.272

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Wall to glass hinge 90°



Features

- Screw fixing to wall
- For glass thicknesses: 8–12 mm
- With automatic closing
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg with 2 hinges
- Opening angle: 90° on both sides

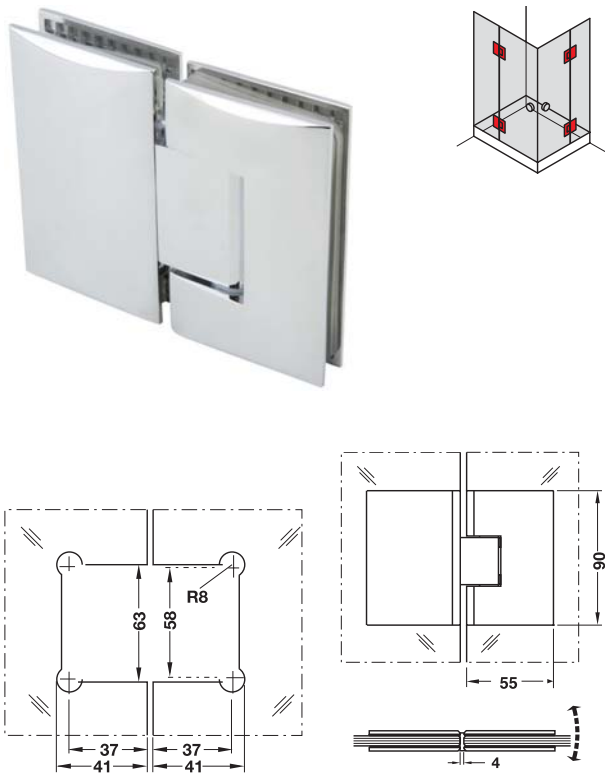
Installation

- Clamp fixing with hexagon socket screws

Material/finish	Cat. No.
Brass chrome plated polished	981.35.052

Packing: 1 pc.

Glass to glass hinge 180°



Features

- Glass to glass panel connector
- For glass thicknesses: 8–12 mm
- With automatic closing
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg with 2 hinges
- Opening angle: 180° single outside opening

Installation

- Clamp fixing with hexagon socket screws

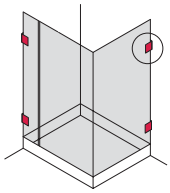
Material/finish	Cat. No.
Brass chrome plated polished	981.35.072

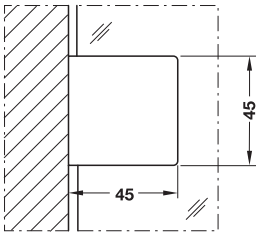
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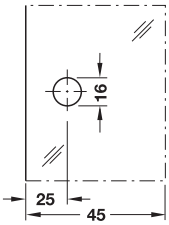
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

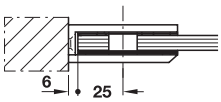
Wall to glass clamp 90°











Features

- For concealed screw fixing to wall
- For glass thicknesses: 8–12 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg

Installation

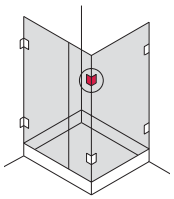
- Clamp fixing with hexagon socket screws

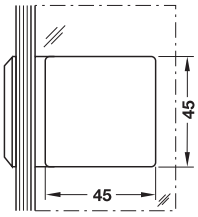
Material/finish	Cat. No.
Brass chrome plated polished	981.52.823

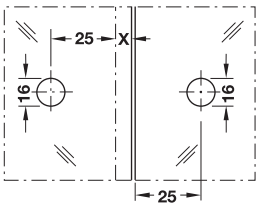
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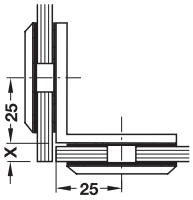
Glass to glass clamp 90º











Size x = Glass thickness+2mm

Features

- Glass to glass panel connector
- For glass thicknesses: 8–12 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg

Installation

- Clamp fixing with hexagon socket screws

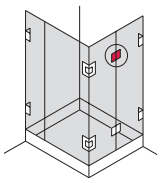
Material/finish	Cat. No.
Brass chrome plated polished	981.52.824

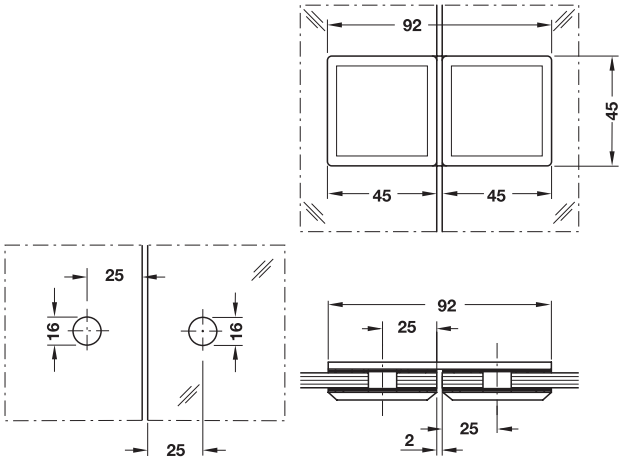
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass to glass clamp 180°







Features

- Glass to glass panel connector
- For glass thicknesses: 8–12 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 45 kg

Installation

- Clamp fixing with hexagon socket screws

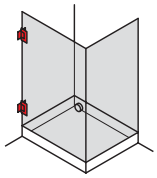
Material/finish	Cat. No.
Brass chrome plated polished	981.52.825

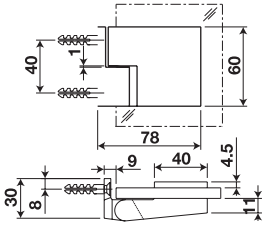
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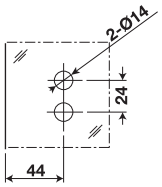
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Wall to glass hinge









Features

- Screw fixing to wall
- For glass thicknesses: 8–12 mm

Technical data

- Max. door weight: 45 kg with 2 hinges

Installation

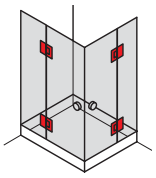
- Clamp fixing with hexagon socket screws

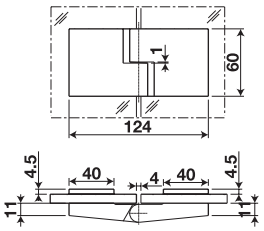
Material/finish	Version	Cat. No.
Brass chrome plated polished	DIN right hand	981.52.805
	DIN left hand	981.52.804

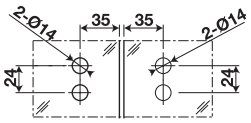
Packing: 1 pc.

Glass to glass hinge 180°









Features

- Glass to glass panel connector
- For glass thicknesses: 8–12 mm
- With automatic closing
- PVC gasket

Technical data

- Max. door weight: 45 kg with 2 hinges
- Opening angle: 180° single outside opening

Installation

- Clamp fixing with hexagon socket screws

Material/finish	Version	Cat. No.
Brass chrome plated polished	DIN right hand	981.52.807
	DIN left hand	981.52.806

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

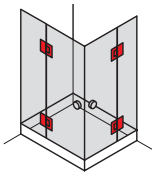
Milano shower glass door fittings

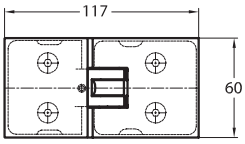
- Hinges and clips come with cover cap
- Made of brass chrome plated polished
- Due to the patented technology the zero positioning is continuously possible
- For cleaning use warm water or damp and a soft and dried cloth if it will be necessary

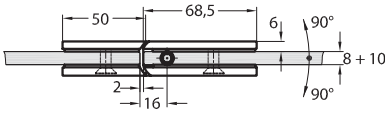


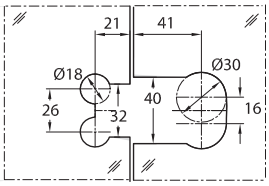
Glass to glass hinge 180°











Features

- Glass to glass panel connector
- For glass thicknesses: 8–10 mm
- With automatic closing
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 40 kg with 2 hinges
- Opening angle: 180° single outside opening

Installation

- Clamp fixing with hexagon socket screws

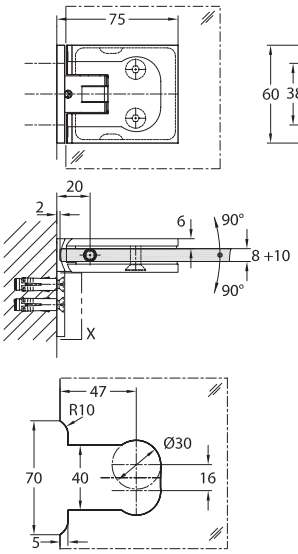
Material/finish	Cat. No.
Brass chrome plated polished	981.38.172

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Wall to glass hinge 90°





Features

- Screw fixing to wall
- For glass thicknesses: 8–10 mm
- Suitable for DIN left and right hand

Technical data

- Max. door weight: 40 kg with 2 hinges
- Opening angle: 90° on both sides

Installation

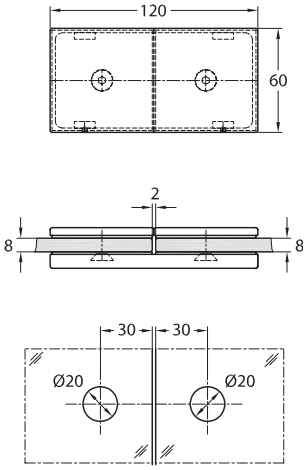
- Clamp fixing with hexagon socket screws

Material/finish	Cat. No.
Brass chrome plated polished	981.38.162

Packing: 1 pc.

Glass to glass clamp 180°





Features

- Glass to glass panel connector
- For glass thicknesses: 8–10 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 40 kg

Installation

- Clamp fixing with hexagon socket screws

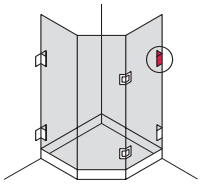
Material/finish	Cat. No.
Brass chrome plated polished	981.38.392

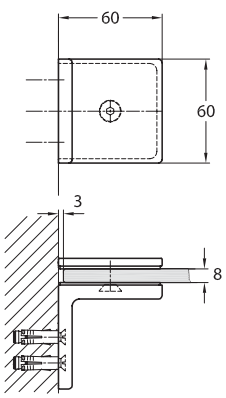
Packing: 1 pc.

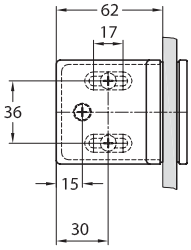
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

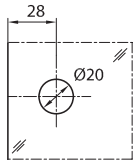
Wall to glass clamp 90°

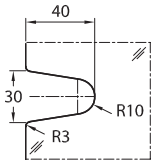












Features

- Screw fixing to wall
- For glass thicknesses: 8–10 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 40 kg

Installation

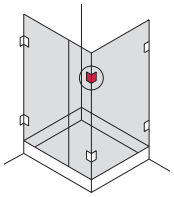
- Clamp fixing with hexagon socket screws

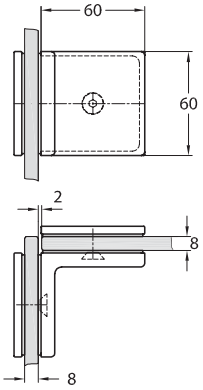
Material/finish	Cat. No.
Brass chrome plated polished	981.38.182

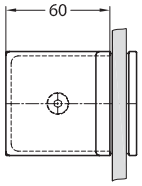
Packing: 1 pc.

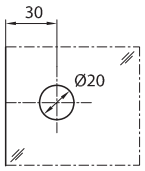
Glass to glass clamp 90°

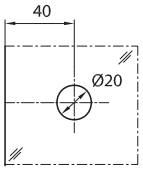












Features

- Glass to glass panel connector
- For glass thicknesses: 8–10 mm
- Suitable for DIN left and right hand
- PVC gasket

Technical data

- Max. door weight: 40 kg

Installation

- Clamp fixing with hexagon socket screws

Material/finish	Cat. No.
Brass chrome plated polished	981.38.184

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding glass door fitting for shower doors



Features

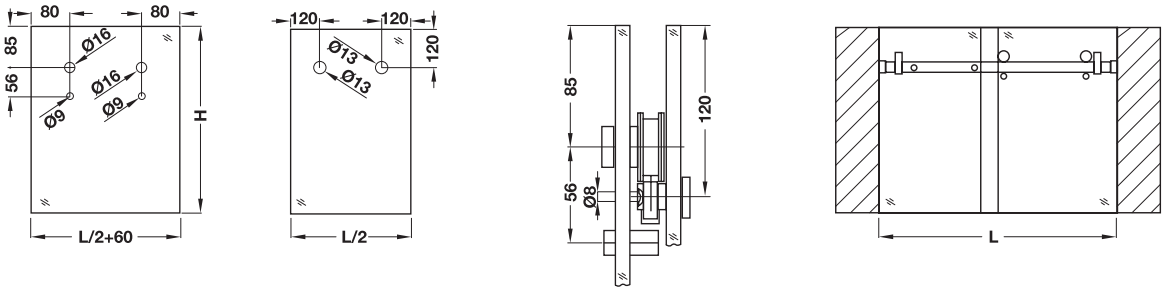
- For 1-leaf sliding doors
- For glass thicknesses: 8–10 mm

Technical data

- Max. door weight per leaf: 45 kg
- Max. door opening width: 1,600 mm



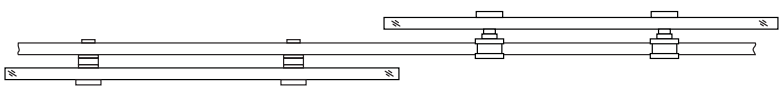
Installation



Glass calculation

L = Complete length
L/2 = Fixed panel
L/2 + 60 mm = Sliding panel
H = Glass height

Installation top



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

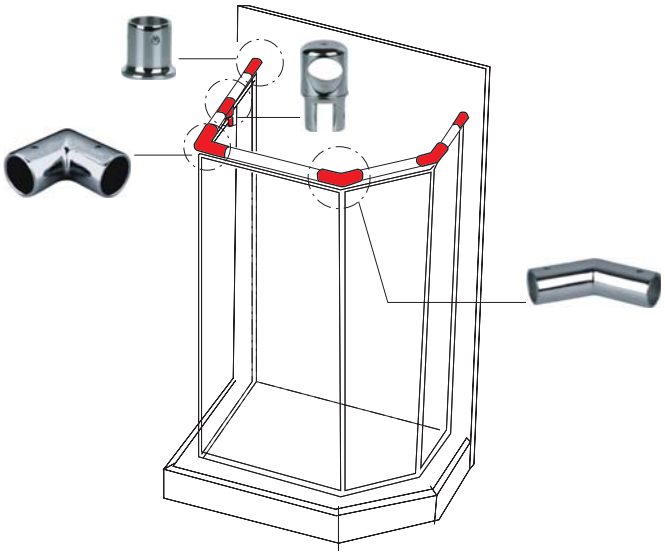
Individual components		Material/finish	For 1 door	Cat. No.
	Roller hanger	Stainless steel polished (304)	2 pcs.	981.52.900
	Rail holder to glass	Stainless steel polished (304)	2 pcs.	981.52.901
	Anti jump support	Stainless steel polished (304)	2 pcs.	981.52.902
	Wall end holder	Stainless steel polished (304)	2 pcs.	981.52.903
	Stop	Stainless steel polished (304)	2 pcs.	981.52.904
	Floor guide	Stainless steel polished (304)	1 pc.	981.52.905
	Rail, square, 10 x 30 x 2,000 mm	Stainless steel polished (304)	1 pc.	981.52.906



Hilton, Pattaya

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Shower room connectors



Features

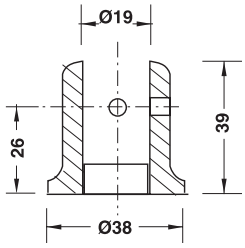
- For glass thicknesses: 8–10 mm

Installation

- Clamp fixing with hexagon socket screws

Wall to rail connector

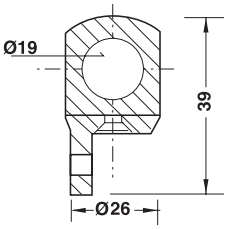




Material/finish	Cat. No.
Stainless steel polished (304)	981.52.101

Packing: 1 pc.

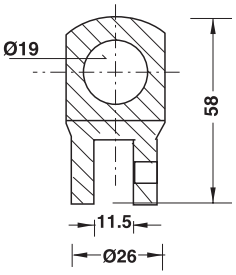




Material/finish	Cat. No.
Stainless steel polished (304)	981.52.111

Packing: 1 pc.

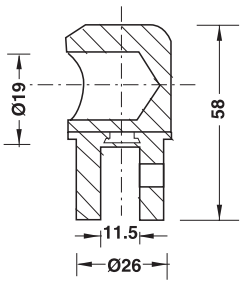




Material/finish	Cat. No.
Stainless steel polished (304)	981.52.121

Packing: 1 pc.





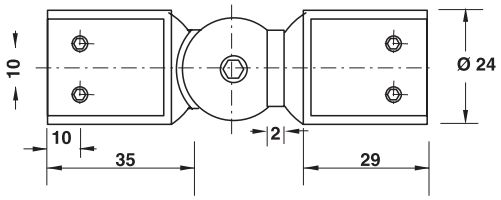
Material/finish	Cat. No.
Stainless steel polished (304)	981.52.131

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Shower rail connector

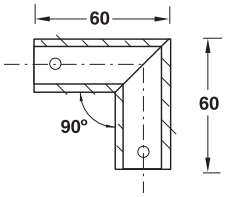




Material/finish	Cat. No.
Stainless steel polished (304)	981.52.141

Packing: 1 pc.

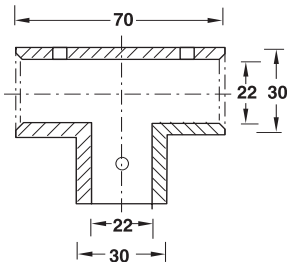




Material/finish	Cat. No.
Stainless steel polished (304)	981.52.151

Packing: 1 pc.

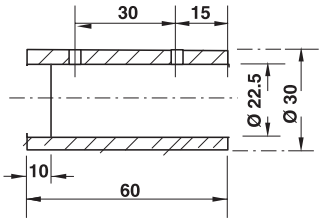




Material/finish	Cat. No.
Stainless steel polished (304)	981.52.161

Packing: 1 pc.

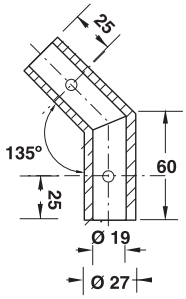




Material/finish	Cat. No.
Stainless steel polished (304)	981.52.171

Packing: 1 pc.



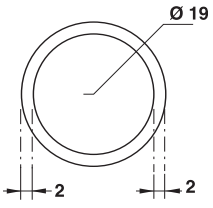


Material/finish	Cat. No.
Stainless steel polished (304)	981.52.181

Packing: 1 pc.

Shower rail





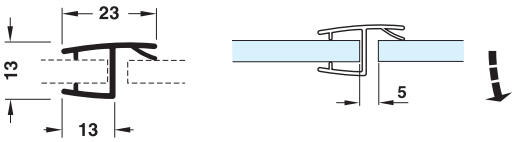
Material/finish	Length	Cat. No.
Stainless steel polished (304)	1,000	981.52.191
	2,000	981.52.291

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass door seal 180°





Features

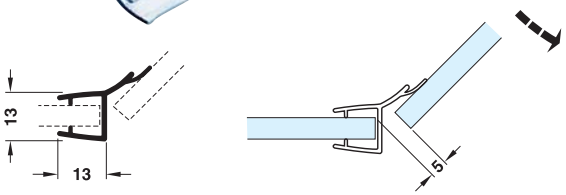
- For 180° glass front
- For butting inset shower doors
- Protection against cold, draught and moisture

For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.06.590
10–12	2,400	950.17.851

Packing: 1 pc.

Glass door seal 135°





Features

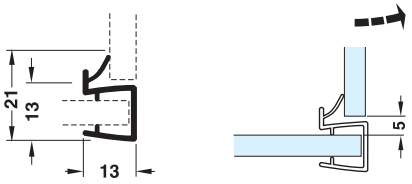
- For 135° glass front
- Protection against cold, draught and moisture

For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.06.710
10–12	2,400	950.17.861

Packing: 1 pc.

Glass door seal 90°





Features

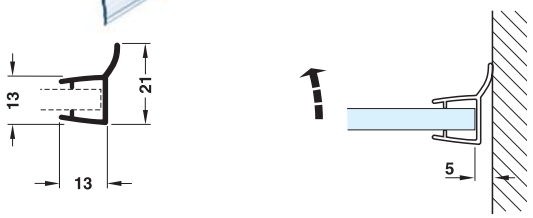
- For 90° glass front
- For butting inset shower doors
- Protection against cold, draught and moisture

For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.06.620
10–12	2,400	950.17.681

Packing: 1 pc.

Glass door seal





Features

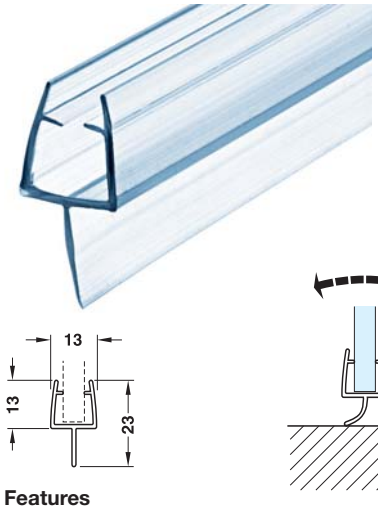
- Glass to wall seal
- Protection against cold, draught and moisture

For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.06.650
10–12	2,400	950.17.871

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass door seal



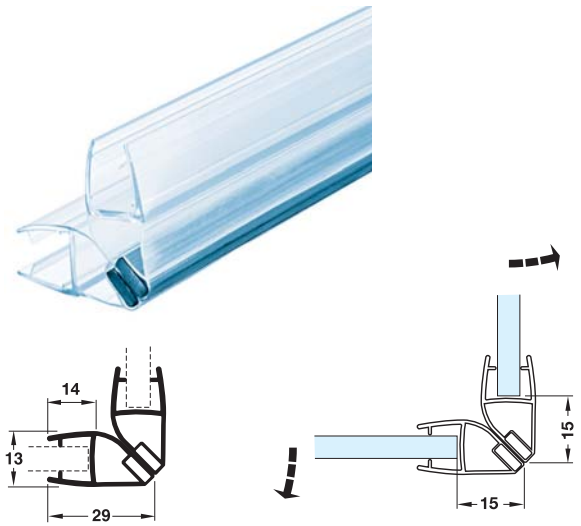
Features

- Glass to floor seal
- Protection against cold, draught and moisture

For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.06.680
10–12	2,400	950.17.691

Packing: 1 pc.

Magnet glass door seal 90°



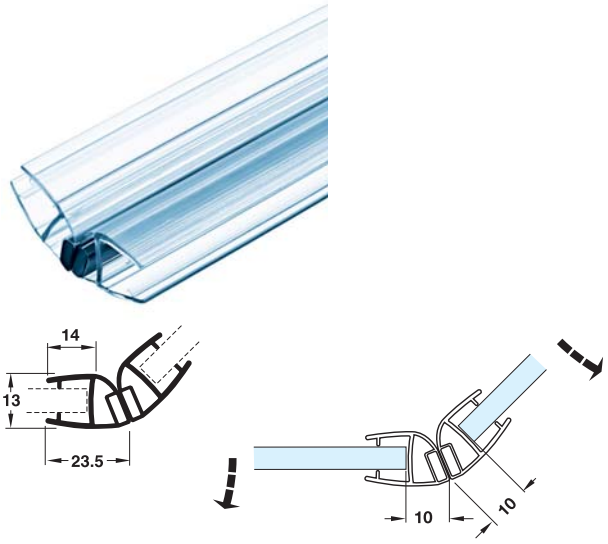
Features

- With magnet for holding in closed position
- For butting inset shower doors
- Protection against cold, draught and moisture

For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.06.520
10–12	2,400	950.17.881

Packing: 1 pc.

Magnet glass door seal 135°



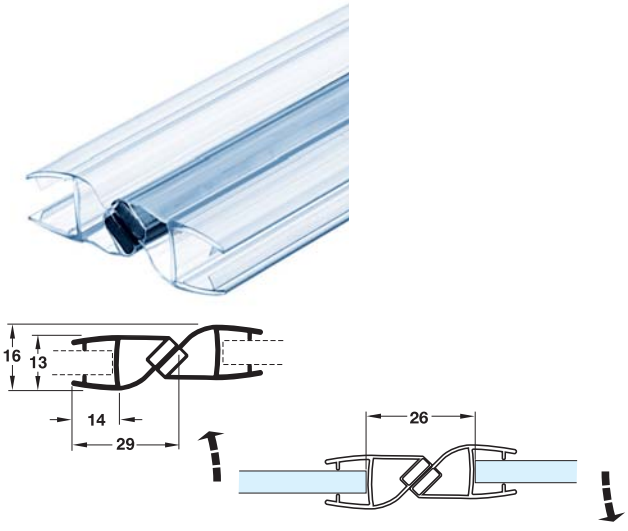
Features

- With magnet for holding in closed position
- For butting inset shower doors
- Protection against cold, draught and moisture

For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.06.540
10–12	2,400	950.17.844

Packing: 1 pc.

Magnet glass door seal 180°



Features

- With magnet for holding in closed position
- For butting inset shower doors
- Protection against cold, draught and moisture

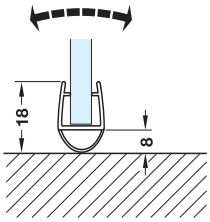
For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.06.500
10–12	2,400	950.17.891

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass door seals





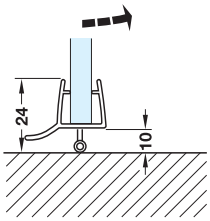
Features

- Soft PVC, transparent
- For butting inset shower doors
- Protection against cold, draught and moisture

For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.17.600
10–12	2,400	950.17.814

Packing: 1 pc.





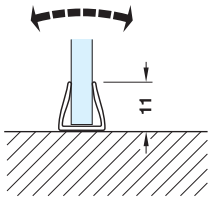
Features

- Soft PVC, transparent
- For butting inset shower doors
- Protection against cold, draught and moisture

For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.17.610
10–12	2,400	950.17.611

Packing: 1 pc.





Features

- Soft PVC, transparent
- For butting inset shower doors
- Protection against cold, draught and moisture

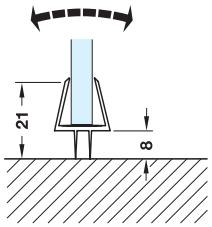
For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.17.620
10–12	2,400	950.17.621

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass door seals





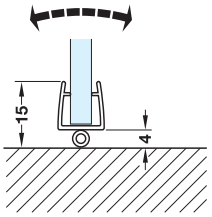
Features

- Soft PVC, transparent
- For butting inset shower doors
- Protection against cold, draught and moisture

For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.17.640
10–12	2,400	950.17.641

Packing: 1 pc.





Features

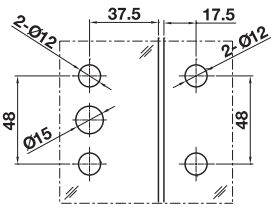
- Soft PVC, transparent
- For butting inset shower doors
- Protection against cold, draught and moisture

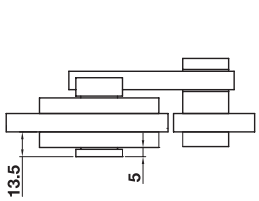
For glass thicknesses mm	Length mm	Cat. No.
8–10	2,170	950.17.630
10–12	2,400	950.17.631

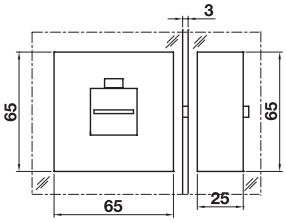
Packing: 1 pc.

Glass door lock









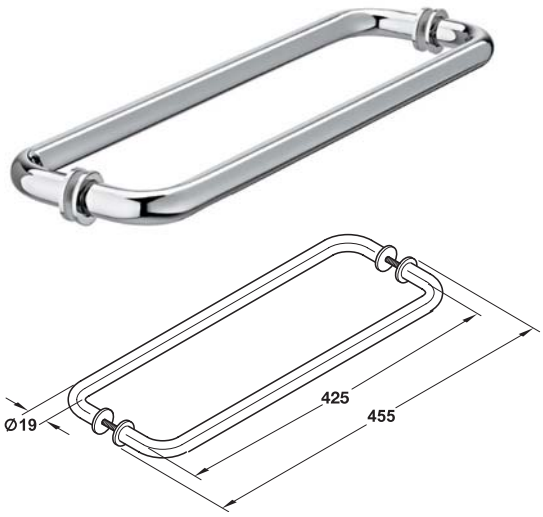
Features

- For glass shower swing doors
- For glass thicknesses 8–12 mm
- With lock indicator green/red and inward opening

Material/finish	Cat. No.
Brass chrome plated polished	981.52.816

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle set



Features

• For glass thicknesses 8–12 mm

Technical data

• Drilling hole Ø14 mm

Material/finish	Cat. No.
Brass chrome plated polished	981.53.292

Packing: 1 set

Pull handle with knob



Features

• For glass thicknesses 8–12 mm

Technical data

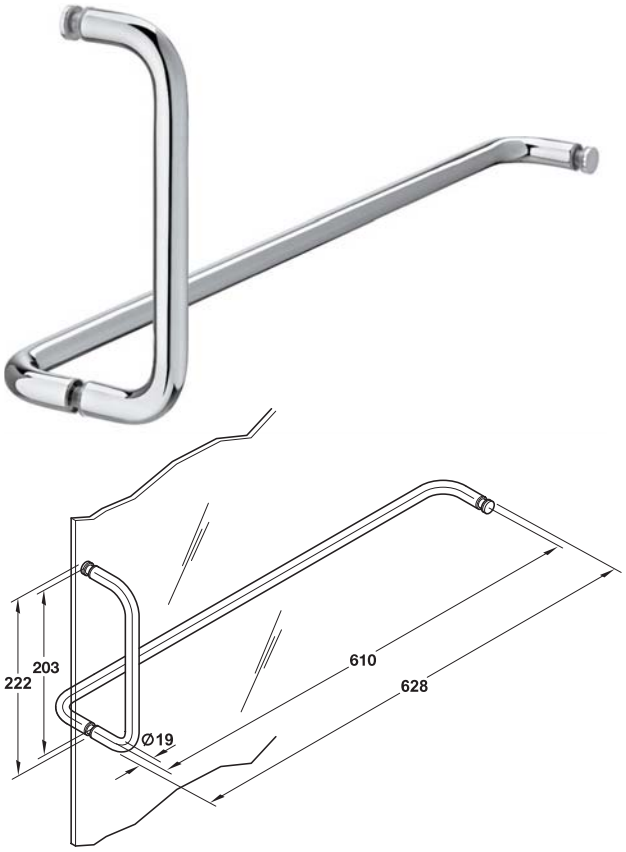
• Drilling hole Ø14 mm

Material/finish	Cat. No.
Brass chrome plated polished	981.53.282

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle set



Features

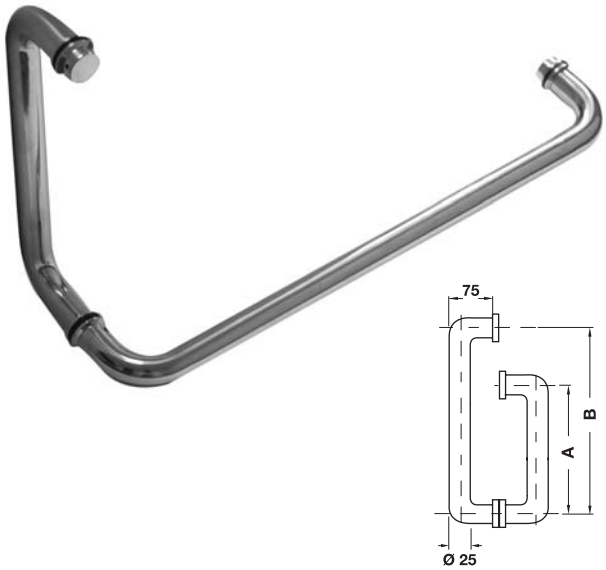
- For glass thicknesses 8–12 mm

Technical data

- Drilling hole: Ø14 mm

Material/finish	Cat. No.
Brass chrome plated polished	981.53.302

Packing: 1 set



Features

- For glass thicknesses 6–15 mm
- Screw M8

Technical data

- Drilling hole: Ø14 mm

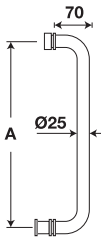
Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel polished	200	450	903.01.990
	300	500	903.01.991
	450	550	903.01.992

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle set





Features

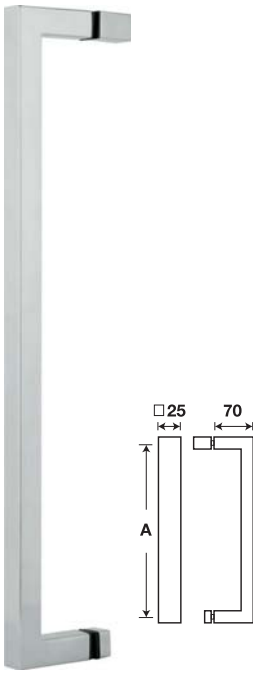
- For glass thicknesses 6–15 mm
- Screw M8

Technical data

- Drilling hole: Ø14 mm

Material/finish	Dim. A mm	Cat. No.
Stainless steel polished	450	903.03.911
	500	903.03.913
	550	903.03.915

Packing: 1 set



Features

- For glass thicknesses 6–15 mm
- Screw M8

Technical data

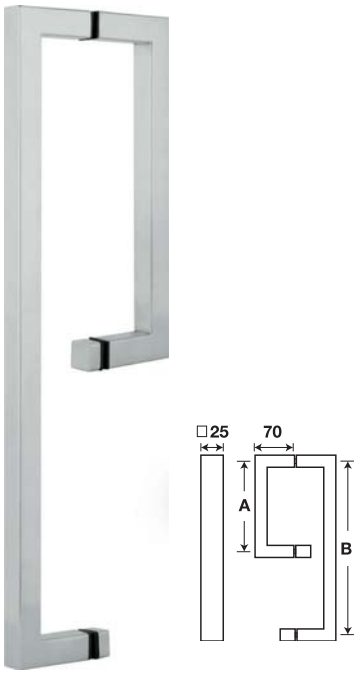
- Drilling hole: Ø14 mm

Material/finish	Dim. A mm	Cat. No.
Stainless steel polished	450	903.03.901
	500	903.03.903
	550	903.03.905

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Pull handle set



Features

- For glass thicknesses 6–15 mm
- Screw M8

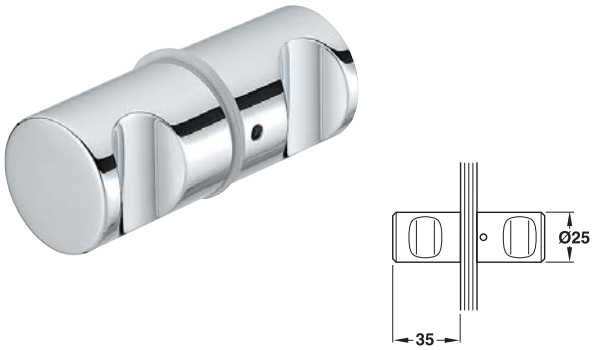
Technical data

- Drilling hole: Ø14 mm

Material/finish	Dim. A mm	Dim. B mm	Cat. No.
Stainless steel polished	200	450	903.01.993
	300	500	903.01.994
	450	550	903.01.995

Packing: 1 set

Back to back knob set

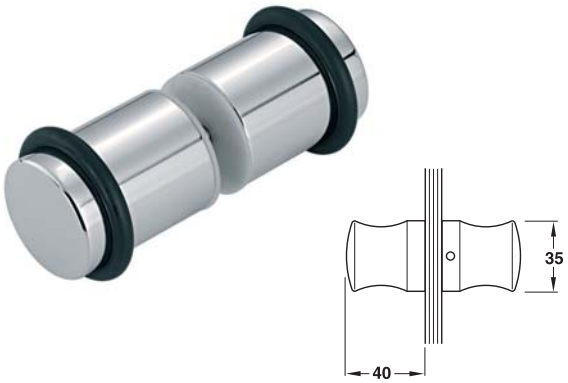


Features

- For glass thicknesses 6–10 mm
- Drilling hole Ø7 mm

Material/finish	Cat. No.
Brass chrome plated polished	981.10.018

Packing: 1 set



Features

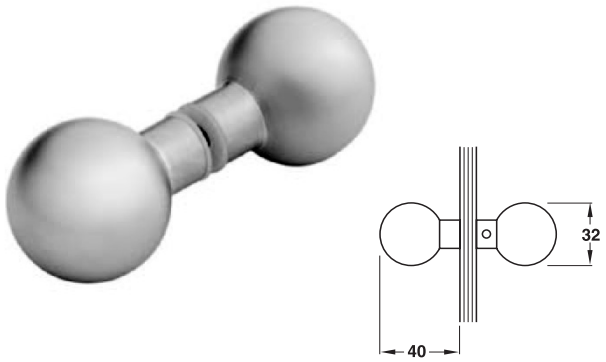
- For glass thicknesses 6–10 mm
- With rubber ring
- Drilling hole Ø7 mm

Material/finish	Cat. No.
Brass chrome plated polished	981.10.010

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Back to back knob set

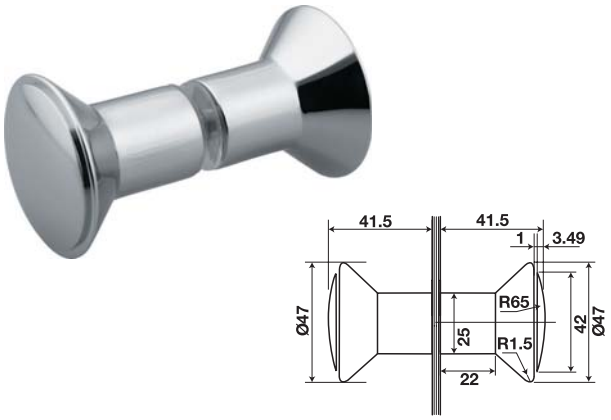


Features

- For glass thicknesses 6–10 mm
- Drilling hole Ø7 mm

Material/finish	Cat. No.
Brass chrome plated polished	981.10.028

Packing: 1 set

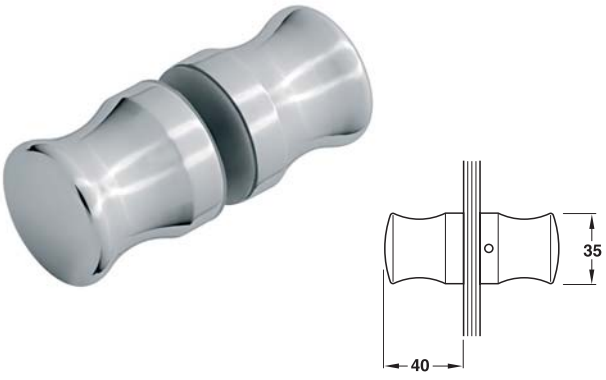


Features

- For glass thicknesses 8–12 mm
- Drilling hole Ø12 mm

Material/finish	Cat. No.
Brass chrome plated polished	981.52.382

Packing: 1 pc.

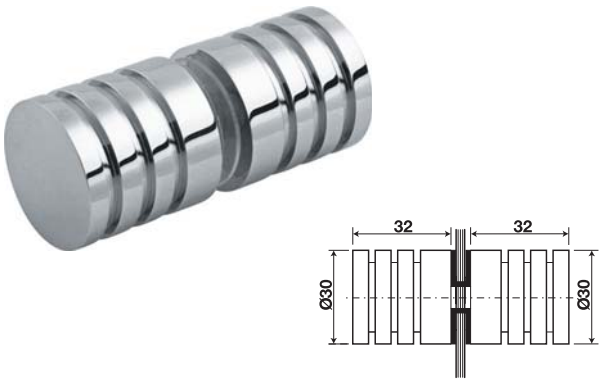


Features

- For glass thicknesses 6–10 mm
- Drilling hole Ø7 mm

Material/finish	Cat. No.
Brass chrome plated polished	981.10.038

Packing: 1 set



Features

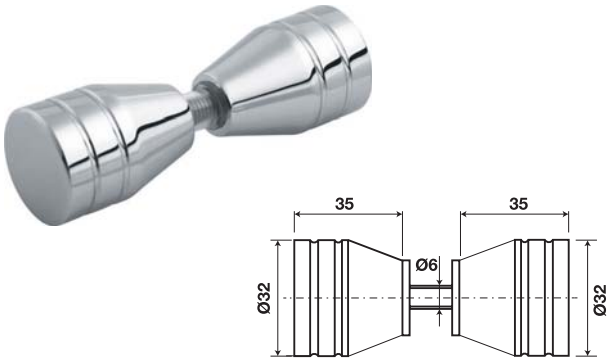
- For glass thicknesses 8–12 mm
- Drilling hole Ø12 mm

Material/finish	Cat. No.
Brass chrome plated polished	981.52.372

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Back to back knob set

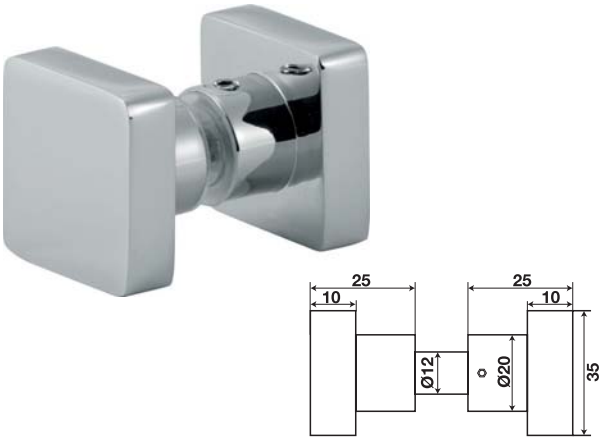


Features

- For glass thicknesses 8–12 mm
- Drilling hole Ø12 mm

Material/finish	Cat. No.
Brass chrome plated polished	981.52.392

Packing: 1 pc.

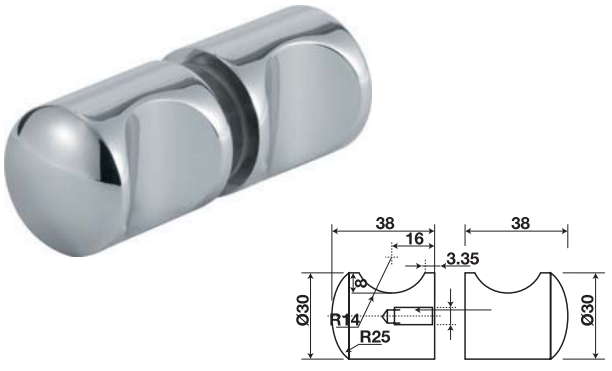


Features

- For glass thicknesses 8–12 mm
- Drilling hole Ø12 mm

Material/finish	Cat. No.
Brass chrome plated polished	981.52.414

Packing: 1 pc.

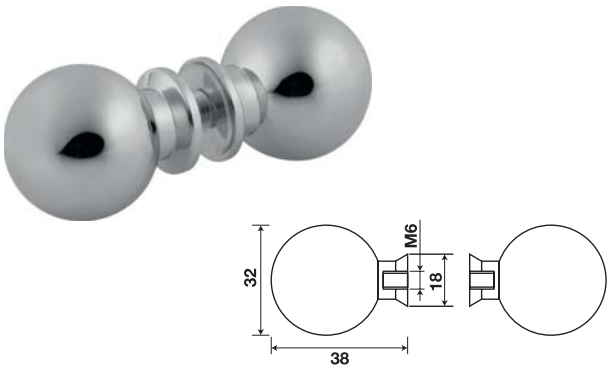


Features

- For glass thicknesses 8–12 mm
- Drilling hole Ø12 mm

Material/finish	Cat. No.
Brass chrome plated polished	981.52.402

Packing: 1 pc.



Features

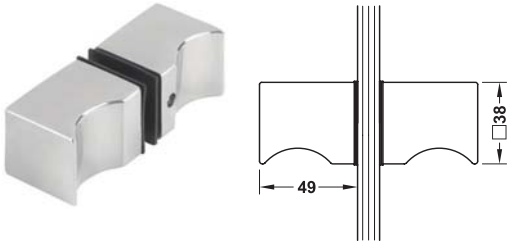
- For glass thicknesses 8–12 mm
- Drilling hole Ø12 mm

Material/finish	Cat. No.
Brass chrome plated polished	981.52.832

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Back to back knob set

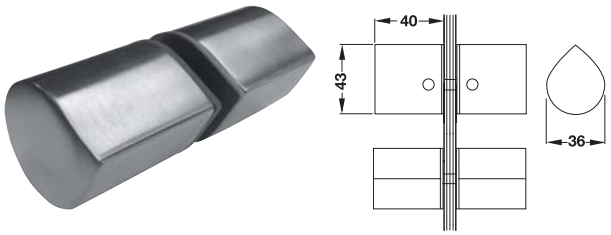


Features

- For glass thicknesses 8–12 mm
- Drilling hole Ø12 mm

Material/finish	Cat. No.
Stainless steel polished	981.58.001

Packing: 1 pc.

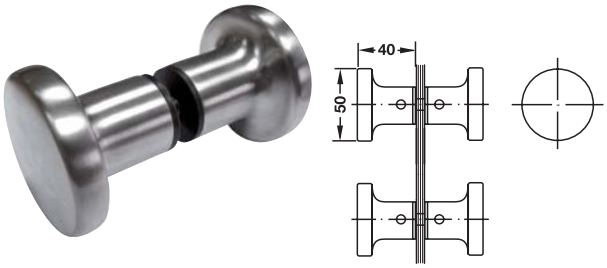


Features

- For glass thicknesses 8–10 mm
- For wood thicknesses 30–50 mm
- Drilling hole Ø10 mm

Material/finish	Cat. No.
Stainless steel matt	981.12.000

Packing: 1 pc.

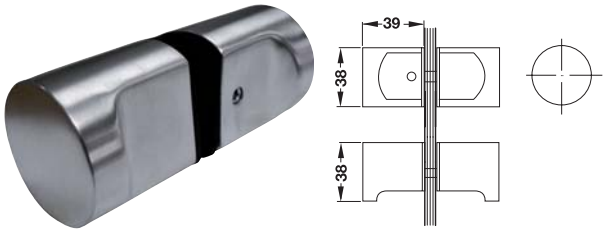


Features

- For glass thicknesses 8–10 mm
- For wood thicknesses 30–50 mm
- Drilling hole Ø10 mm

Material/finish	Cat. No.
Stainless steel matt	981.12.020

Packing: 1 pc.



Features

- For glass thicknesses 8–10 mm
- For wood thicknesses 30–50 mm
- Drilling hole Ø10 mm

Material/finish	Cat. No.
Stainless steel matt	981.12.010

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

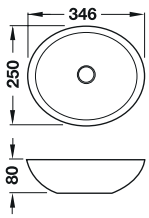


Centara Grand Beach Resort,Phuket

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Oval stone resin under counter basin

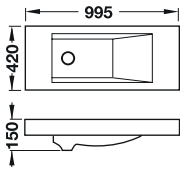




Material/Finish	Cat. No.
Polyester resin/calcium carbonate/white	588.26.010

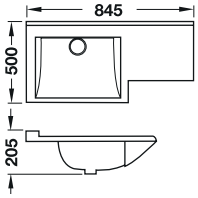
Rectangle stone resin half counter basin





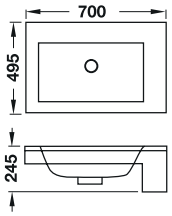
Material/Finish	Cat. No.
Polyester resin/calcium carbonate/white	588.26.020





Material/Finish	Cat. No.
Polyester resin/calcium carbonate/white	588.26.030

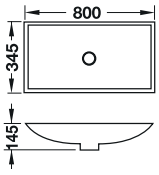




Material/Finish	Cat. No.
Polyester resin/calcium carbonate/white	588.26.040

Rectangle stone resin basin



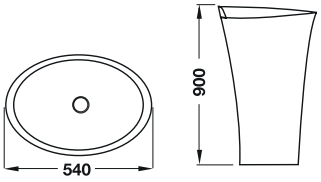


Material/Finish	Cat. No.
Polyester resin/calcium carbonate/white	588.26.050

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

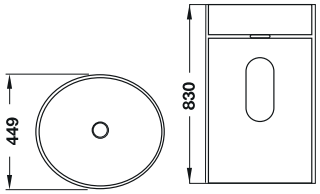
Floor stand circle stone resin basin





Material/Finish	Cat. No.
Polyester resin/calcium carbonate/white	588.26.060

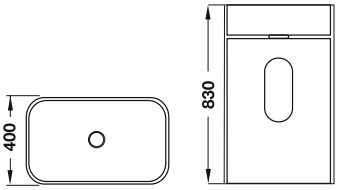




Material/Finish	Cat. No.
Polyester resin/calcium carbonate/white	588.26.080

Floor stand rectangle stone resin basin

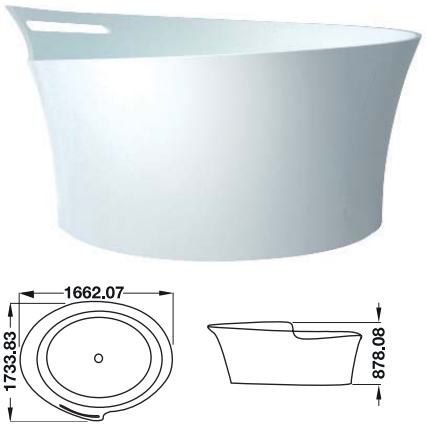




Material/Finish	Cat. No.
Polyester resin/calcium carbonate/white	588.26.070

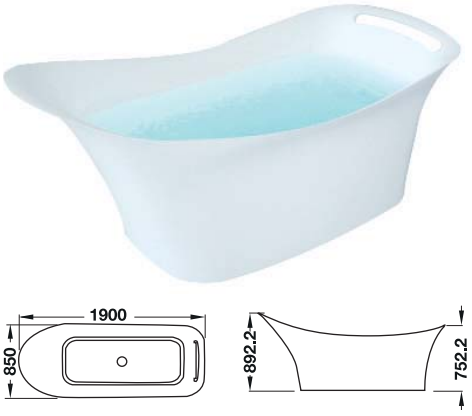
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Floor stand circle stone resin bathtub

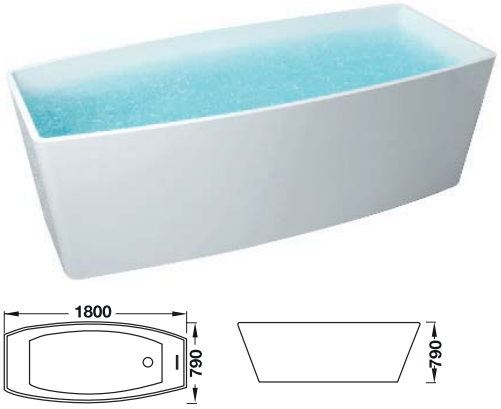


Material/Finish	Cat. No.
Polyester resin/calcium carbonate/white	588.26.600

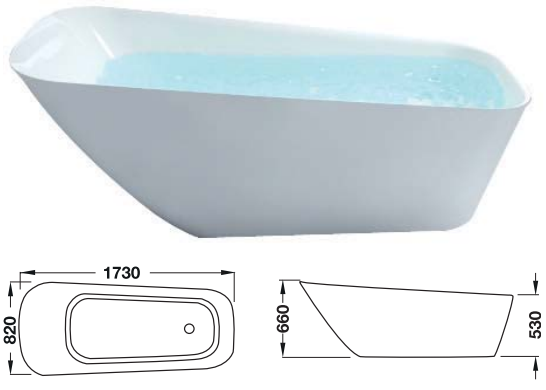
Floor stand rectangle stone resin bathtub



Material/Finish	Cat. No.
Polyester resin/calcium carbonate/white	588.26.610



Material/Finish	Cat. No.
Polyester resin/calcium carbonate/white	588.26.620

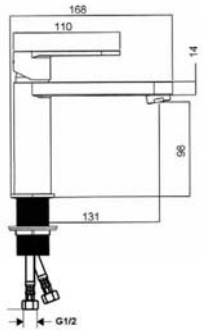


Material/Finish	Cat. No.
Polyester resin/calcium carbonate/white	588.26.630

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Single lever basin mixer - NILE

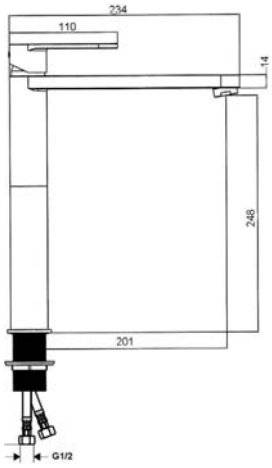




- Water outlet height: 98 mm
- Flow limiter: 6 l/min
- With pop-up waste set push open

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.040

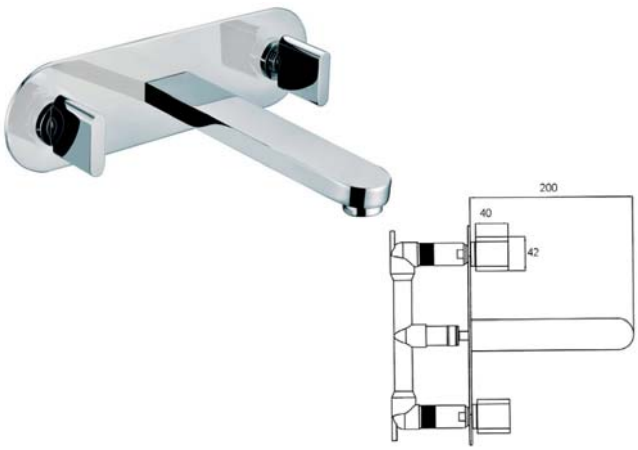




- Water outlet height: 248 mm
- Flow limiter: 6 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.041

Single lever bath mixer, concealed installation - NILE

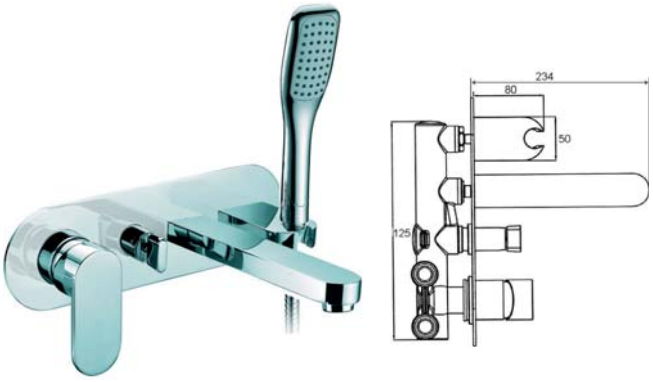


- Flow limiter: 6 l/min
- Use with concealed piping, outlet 1/2" Ø thread winding

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.043

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Single lever bath/shower mixer, concealed installation - NILE



- 1-function hand shower
- Flow limiter: 6 l/min
- Use with concealed piping, outlet 1/2" thread winding (s-shape)

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.044

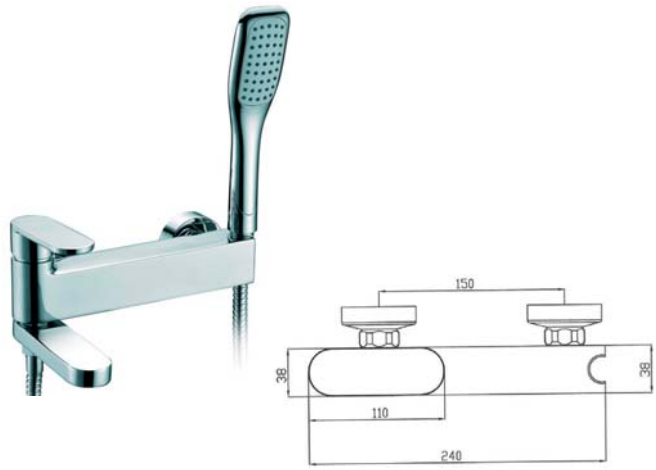
Single lever shower mixer, exposed installation - NILE



- 1-function hand shower
- Flow limiter: 8 l/min
- Use with concealed piping, outlet 1/2" thread winding (s-shape)

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.045

Single lever bath/shower mixer, exposed fitting - NILE



- 1-function hand shower
- Flow limiter: 8 l/min
- Use with concealed piping, outlet 1/2" thread winding (s-shape)

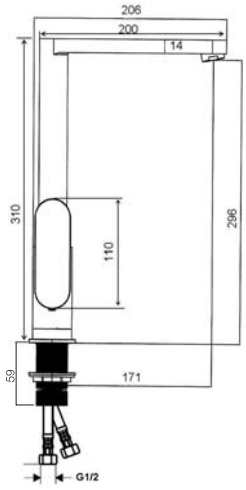
Material/Finish	Cat. No.
Brass chrome plated polished	589.60.046

7

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Single lever sink mixer - NILE

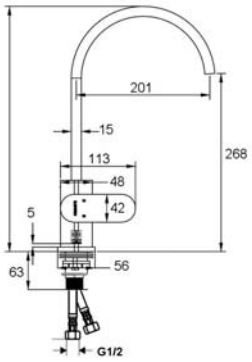




- Water outlet height: 296 mm
- Flow limiter: 6 l/min
- With pop-up waste set push open

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.042



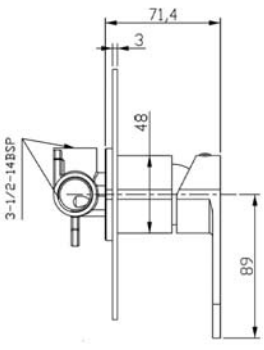


- Water outlet height: 268 mm
- Flow limiter: 6 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.049

Single lever shower mixer, concealed installation - NILE





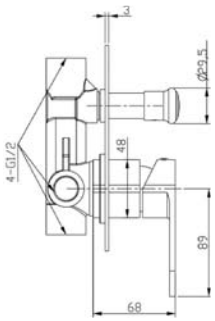
- Flow limiter: 9 l/min
- Use with concealed piping, outlet 1/2" thread winding

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.047

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Single lever bath mixer, concealed installation - NILE



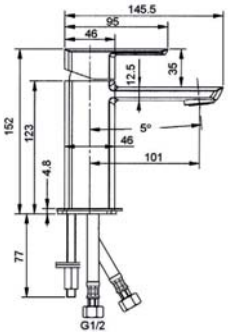


- Flow limiter: 9 l/min
- Use with concealed piping, outlet 1/2" thread winding
- Button with stop/diverter valve to revert from shower to bath filler

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.048

Single lever basin mixer - SEINE

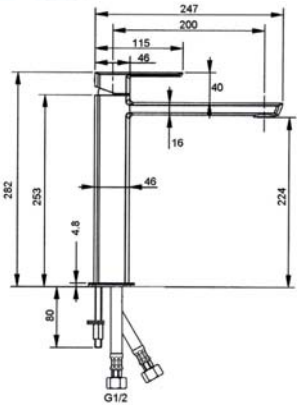




- Water outlet height: 104 mm
- Flow limiter: 6 l/min
- With pop-up waste set push open

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.007





- Water outlet height: 224 mm
- Flow limiter: 6 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.008

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Single lever basin mixer - SEINE



- Water outlet height: 112 mm
- Flow limiter: 6.0 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.010

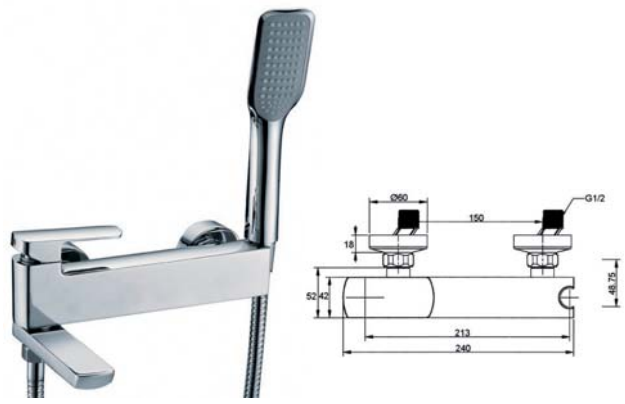
Single lever bath mixer, concealed installation - SEINE



- 1-function hand shower
- Water outlet height: 112 mm
- Flow limiter: 6 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.011

Single lever bath/shower mixer, exposed fitting - SEINE

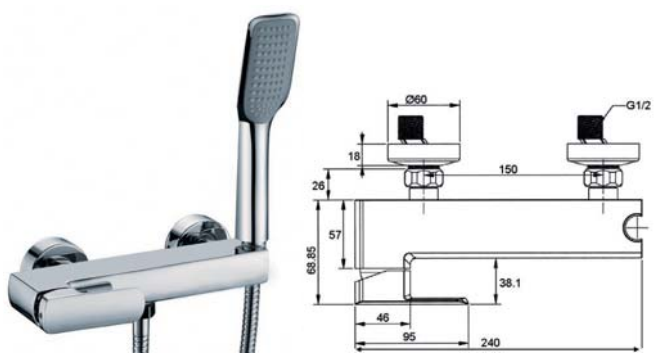


- 1-function hand shower
- Flow limiter: 8 l/min
- Use with concealed piping, outlet 1/2" thread winding (s-shape)

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.012

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

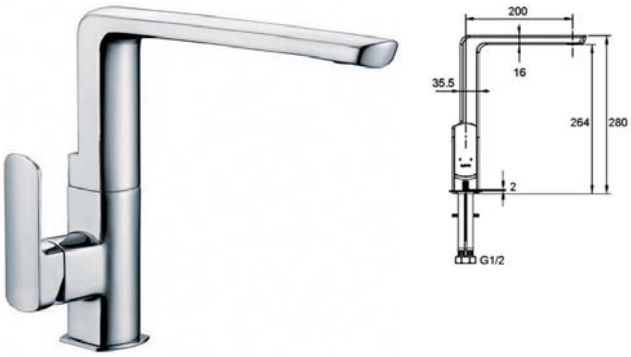
Single lever shower mixer, exposed fitting - SEINE



- 1-function hand shower
- Flow limiter: 8 l/min
- Use with concealed piping, outlet 1/2" thread winding (s-shape)

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.013

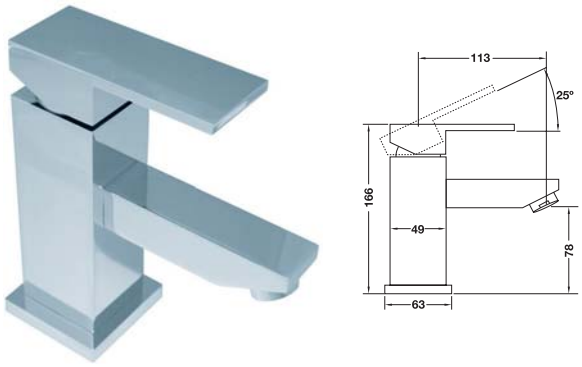
Single lever sink mixer - SEINE



- Water outlet height: 264 mm
- Flow limiter: 6 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.60.009

Single lever basin mixer - GEMMA

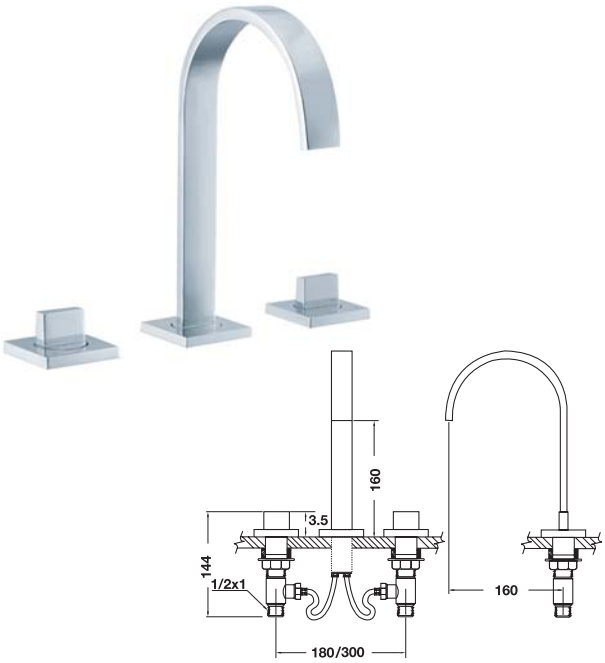


- Flow limiter: 6 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.04.330

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Single lever basin mixer - GEMMA



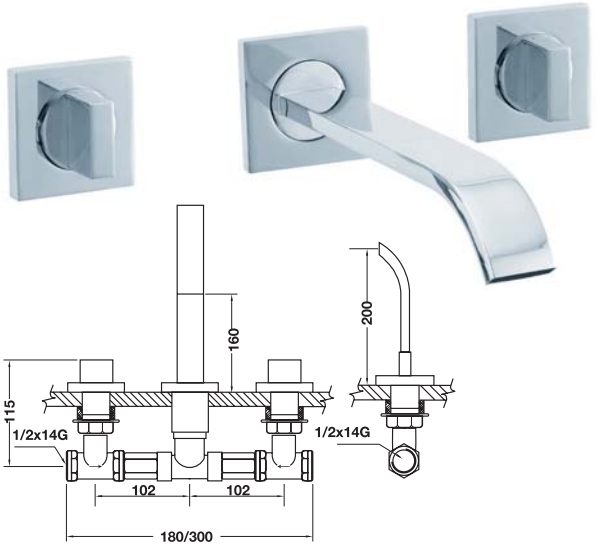
- Flow limiter: 6 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.04.338



- Flow limiter: 10 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.04.331

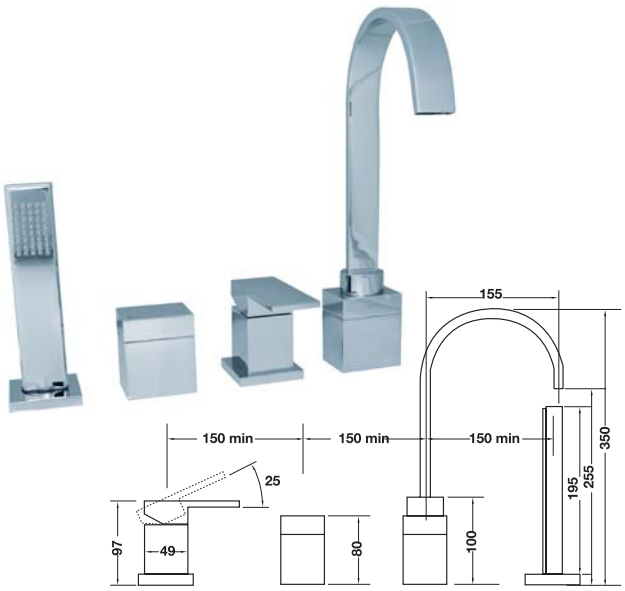


- Flow limiter: 10 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.04.339

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

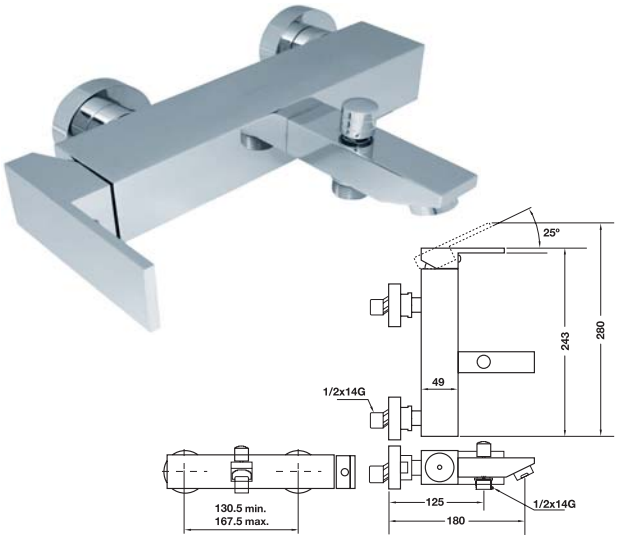
Single lever bath mixer, concealed installation - GEMMA



- Flow limiter: 10 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.04.334

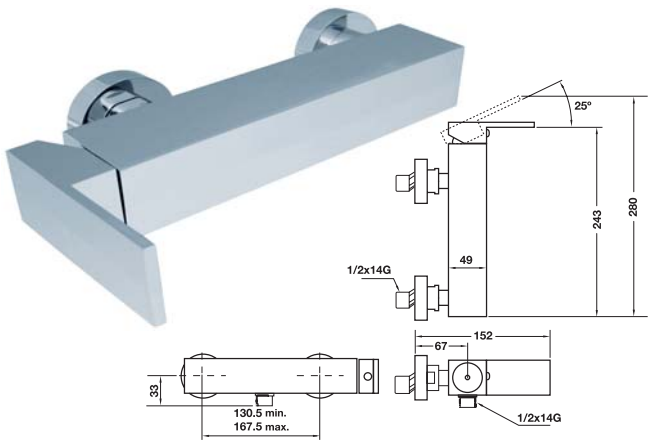
Single lever bath/shower mixer, exposed installation - GEMMA



- Flow limiter: 10 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.04.332

Single lever shower mixer, exposed installation - GEMMA



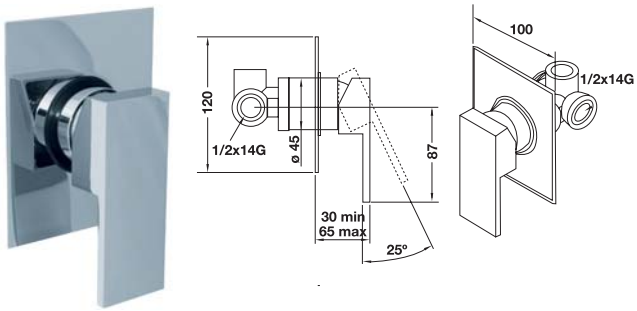
- Flow limiter: 12 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.04.333

7

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

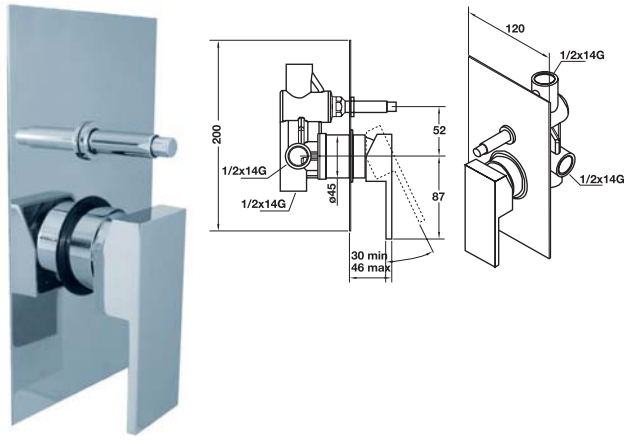
Single lever shower mixer, concealed installation - GEMMA



- Flow limiter: 12 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.04.337

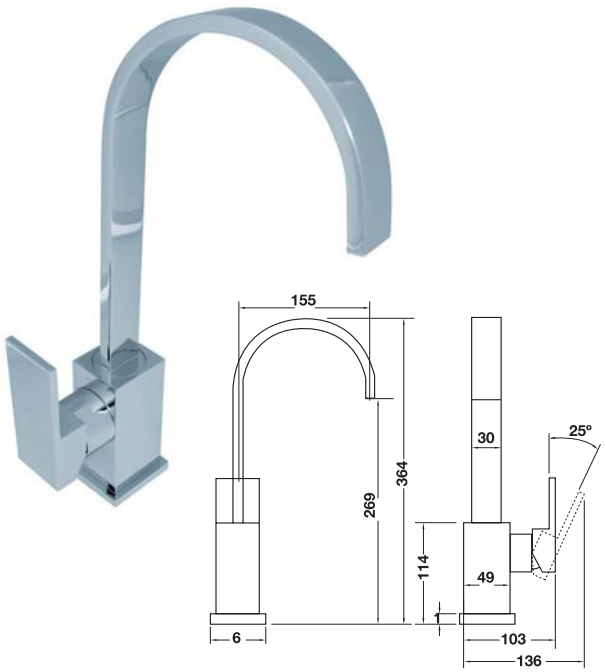
Single lever bath mixer, concealed installation - GEMMA



- Flow limiter: 12 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.04.336

Single lever sink mixer - GEMMA



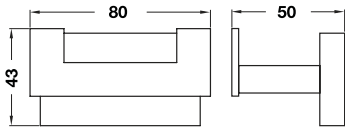
- Flow limiter: 6 l/min

Material/Finish	Cat. No.
Brass chrome plated polished	589.04.335

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Double hook - GEMINI

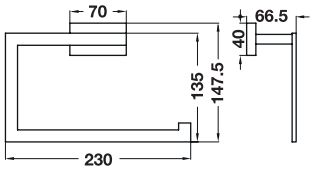




Material/Finish	Cat. No.
Brass chrome plated polished	580.34.000

Towel ring - GEMINI

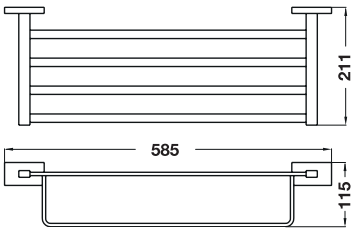




Material/Finish	Cat. No.
Brass chrome plated polished	580.34.010

Bath towel holder - GEMINI

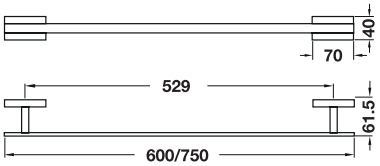




Material/Finish	Cat. No.
Brass chrome plated polished	580.34.011

Single towel rail - GEMINI

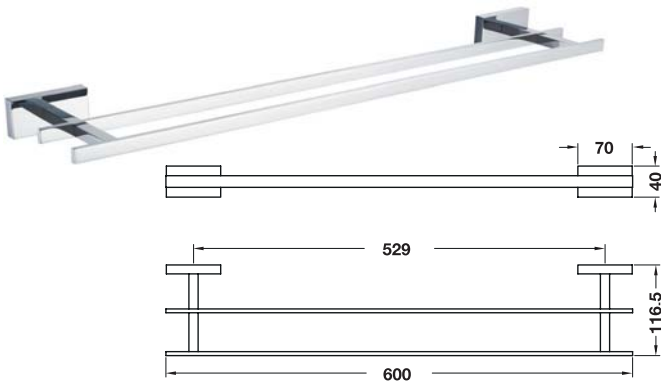




Material/Finish	Length mm	Cat. No.
Brass chrome plated polished	600	580.34.020
	750	580.34.022

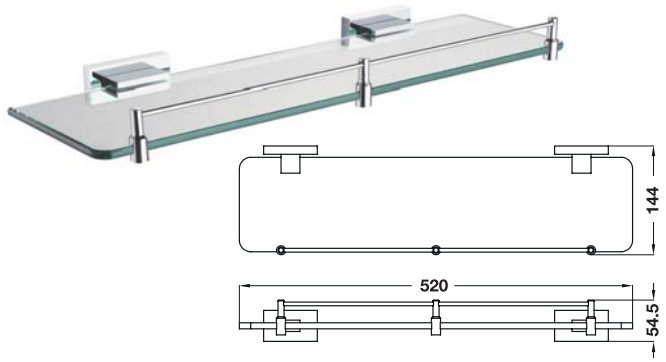
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Double towel rail - GEMINI



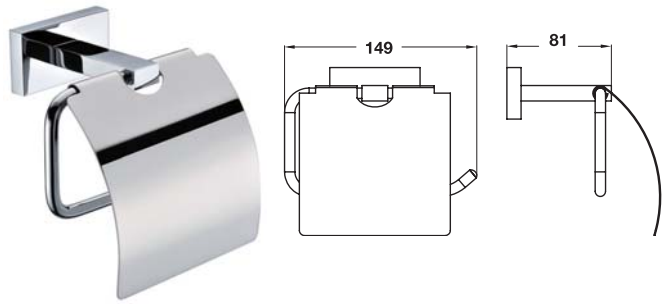
Material/Finish	Cat. No.
Brass chrome plated polished	580.34.021

Glass shelf, 1-tier - GEMINI



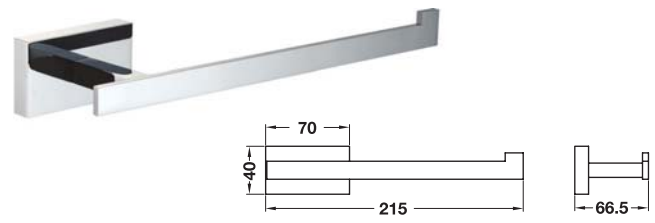
Material/Finish	Cat. No.
Brass chrome plated polished/glass	580.34.031

Toilet paper holder with lid - GEMINI



Material/Finish	Cat. No.
Brass chrome plated polished	580.34.040

Toilet paper holder - GEMINI

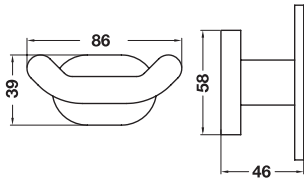


Material/Finish	Cat. No.
Brass chrome plated polished	580.34.041

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Double hook - LIBRA

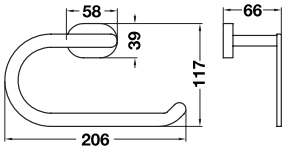




Material/Finish	Cat. No.
Brass chrome plated polished	580.34.300

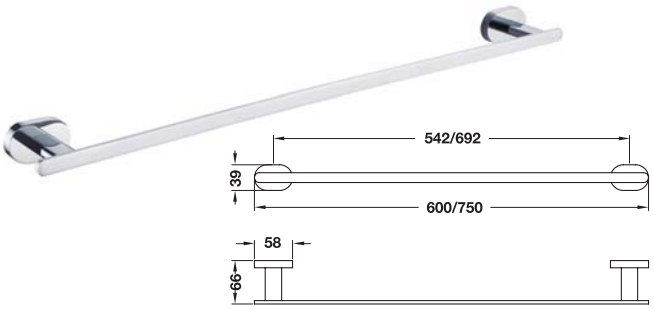
Towel ring - LIBRA





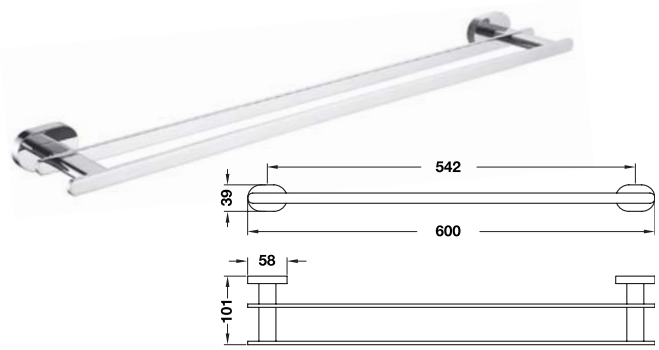
Material/Finish	Cat. No.
Brass chrome plated polished	580.34.310

Single towel rail - LIBRA



Material/Finish	Length mm	Cat. No.
Brass chrome plated polished	600	580.34.320
	750	580.34.322

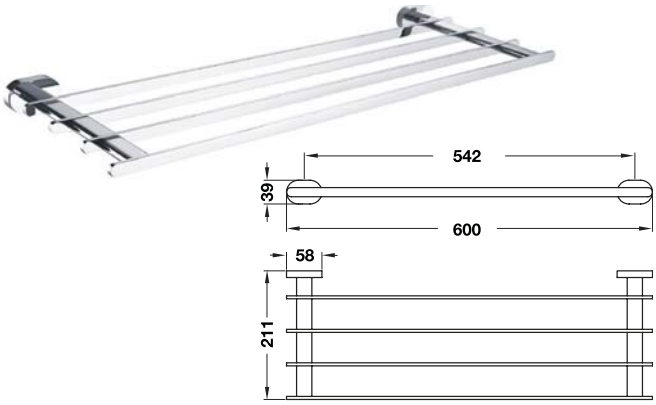
Double towel rail - LIBRA



Material/Finish	Cat. No.
Brass chrome plated polished	580.34.321

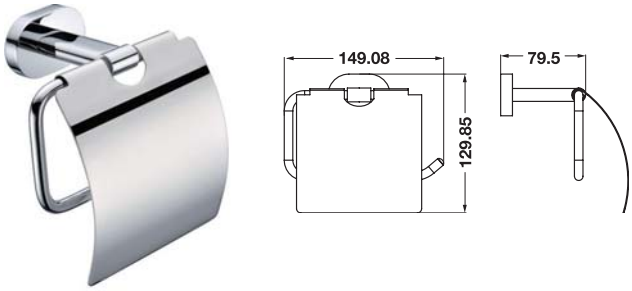
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Towel holder - LIBRA



Material/Finish	Cat. No.
Brass chrome plated polished	580.34.311

Toilet paper holder with lid - LIBRA



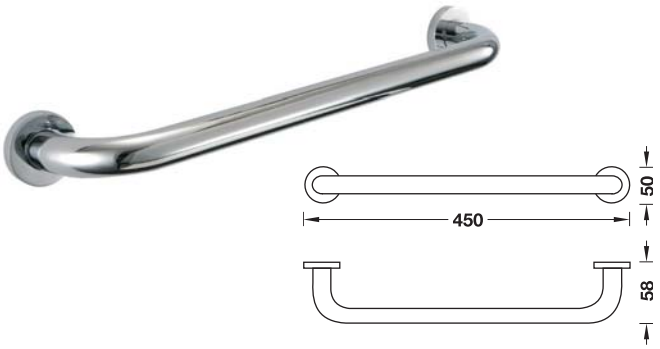
Material/Finish	Cat. No.
Brass chrome plated polished	580.34.340

Toilet paper holder - LIBRA



Material/Finish	Cat. No.
Brass chrome plated polished	580.34.341

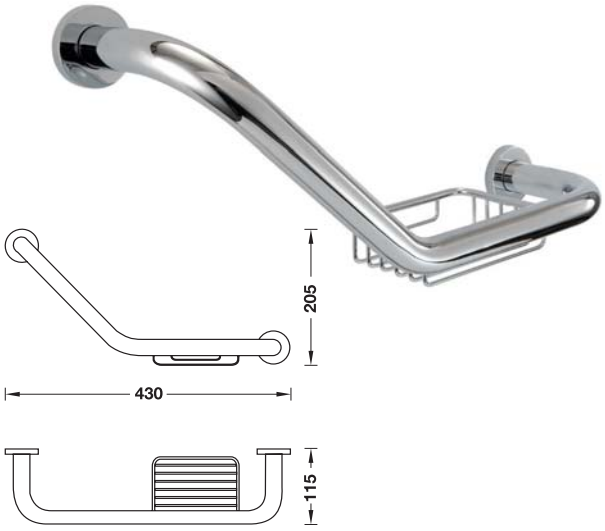
Grab bar - SUBSIDIARY



Material/Finish	Cat. No.
Brass chrome plated polished	980.64.432

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Grab bar with basket - SUBSIDIARY

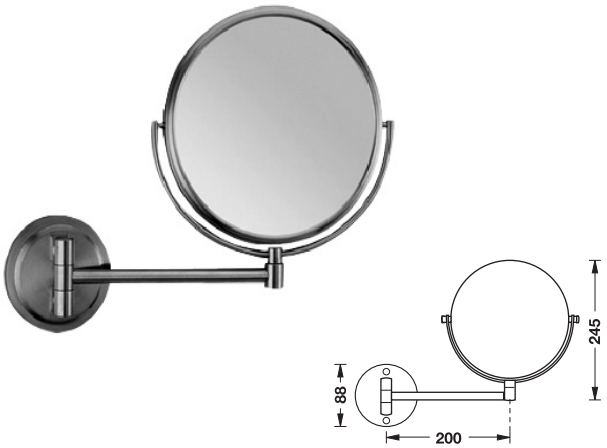


Material/Finish	Cat. No.
Brass chrome plated polished	980.64.422

Cosmetic mirror, 2-sided



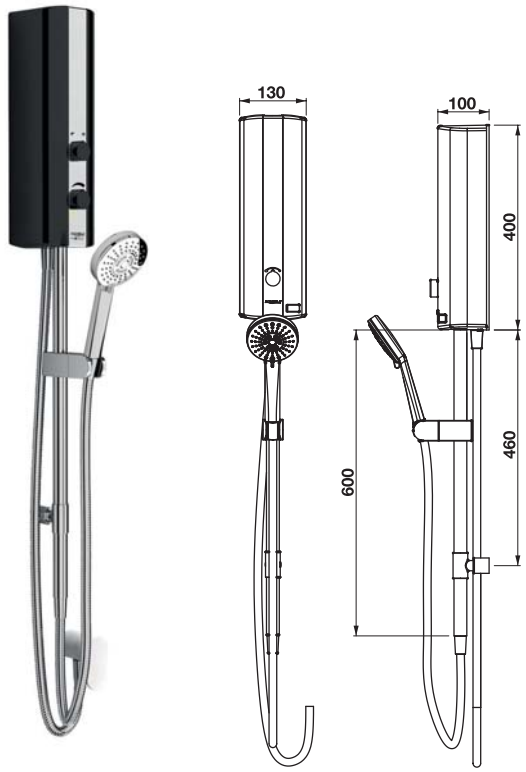
Material/Finish	Cat. No.
Stainless steel/Brass chrome plated polished	980.64.512



Material/Finish	Cat. No.
Stainless steel/Brass chrome plated polished	495.81.000

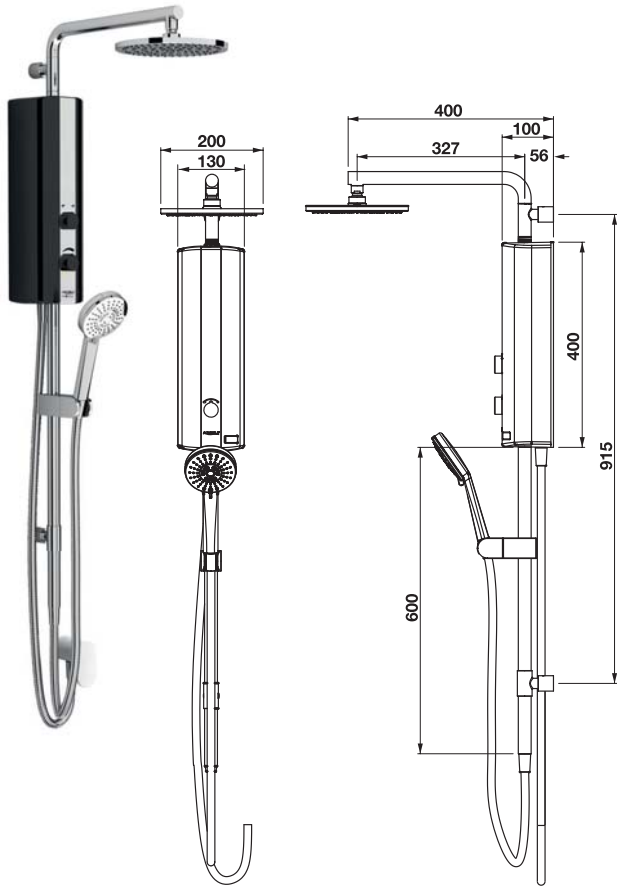
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Shower column with water heater



- Hand shower Ø100 mm with Air technology
- 4.5 kW output high performance heater
- Version: 3-function hand shower
- Shower hose: 1,500 mm
- Shower rail height: 600 mm
- Flow limiter: 9 l/min

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.000

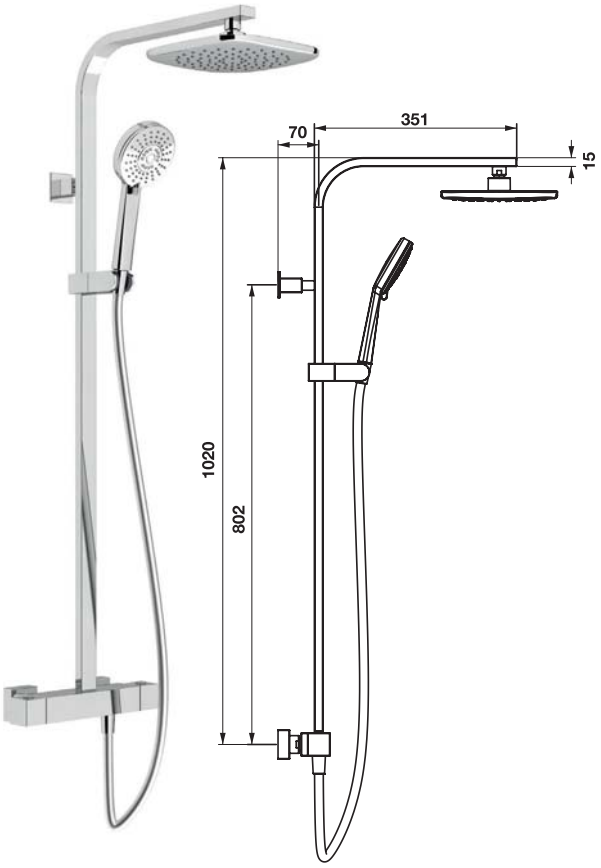


- Overhead shower Ø200 mm with Air technology
- Hand shower Ø100 mm with Air technology
- 4.5 kW output high performance heater
- Version: 3-function hand shower
- Shower hose: 1,500 mm
- Shower rail height: 600 mm
- Flow limiter: 9 l/min

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.001

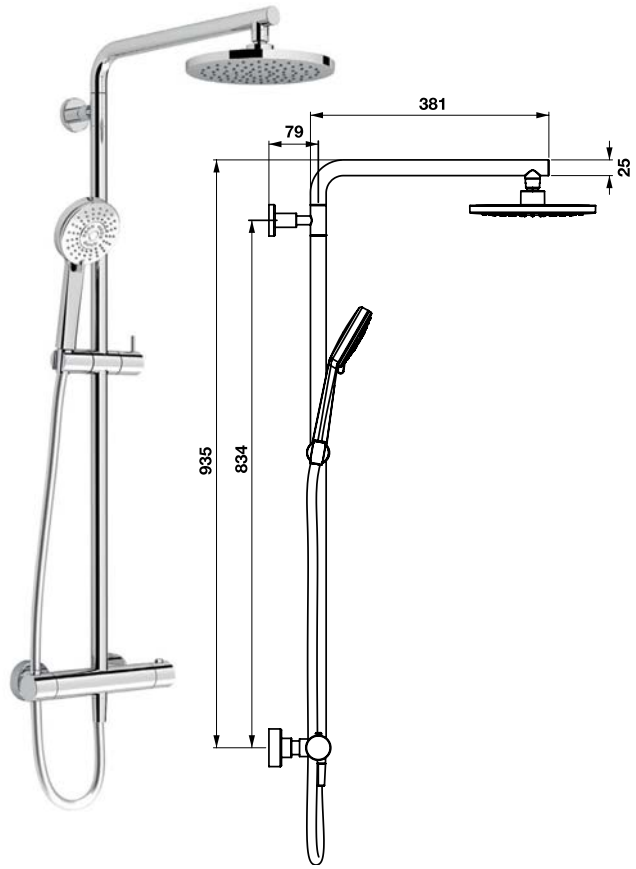
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Shower column with thermostatic mixer



- Overhead shower 200 x 200 mm with Air system
- Hand shower Ø100 mm with Air system
- Version: 3-function hand shower
- Shower hose: 1,500 mm
- Flow limiter: 9 l/min

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.002

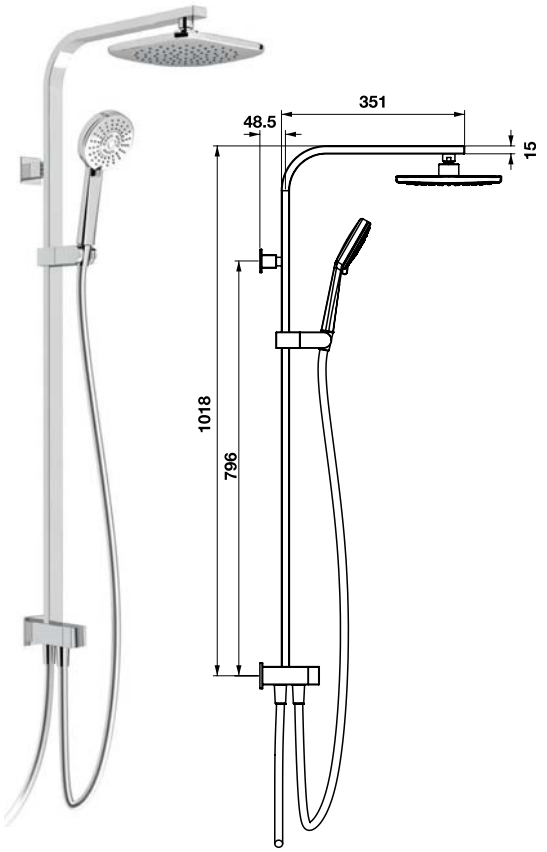


- Overhead shower Ø200 mm with Air system
- Hand shower Ø100 mm with Air system
- Version: 3-function hand shower
- Shower hose: 1,500 mm
- Flow limiter: 9 l/min
- Shower arm swiveling left/right 180°

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.004

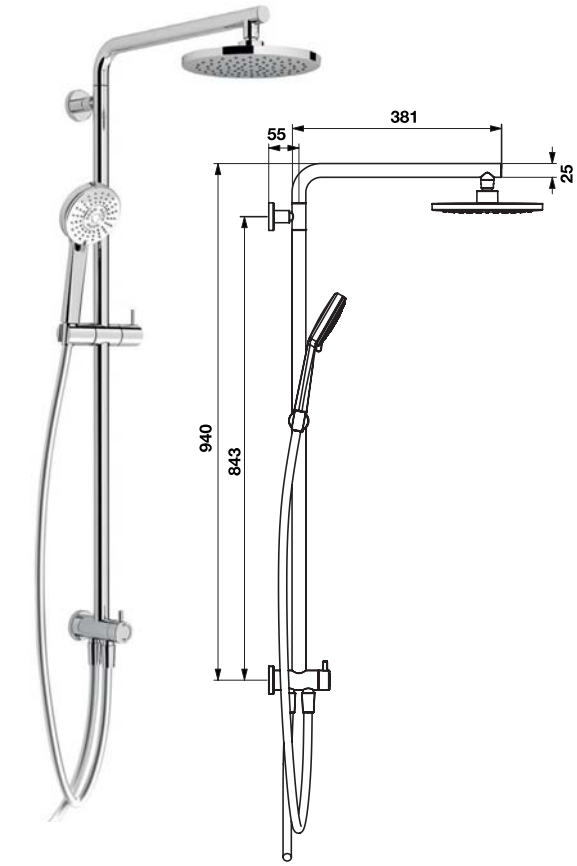
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Shower column without thermostatic mixer



- Overhead shower 200 x 200 mm with Air system
- Hand shower Ø100 mm with Air system
- Version: 3-function hand shower
- Shower hose: 1,500 mm
- Flow limiter: 9 l/min

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.003



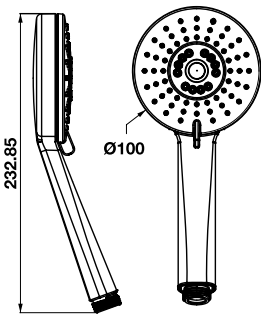
- Overhead shower Ø200 mm with Air system
- Hand shower Ø100 mm with Air system
- Version: 3-function hand shower
- Shower hose: 1,500 mm
- Flow limiter: 9 l/min
- Shower arm swiveling left/right 180°

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.005

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Hand shower set

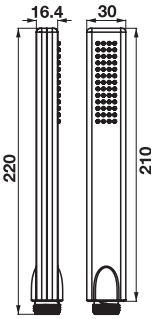




- Hand shower Ø180 mm with Air system
- Version: 3-function hand shower
- Shower hose: 1,500 mm
- Flow limiter: 9 l/min
- Adjustable shower holder

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.300

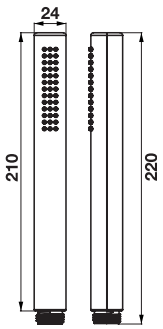




- Hand shower with Air system
- Version: 1-function hand shower
- Shower hose: 1,500 mm
- Flow limiter: 9 l/min
- Adjustable shower holder

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.301



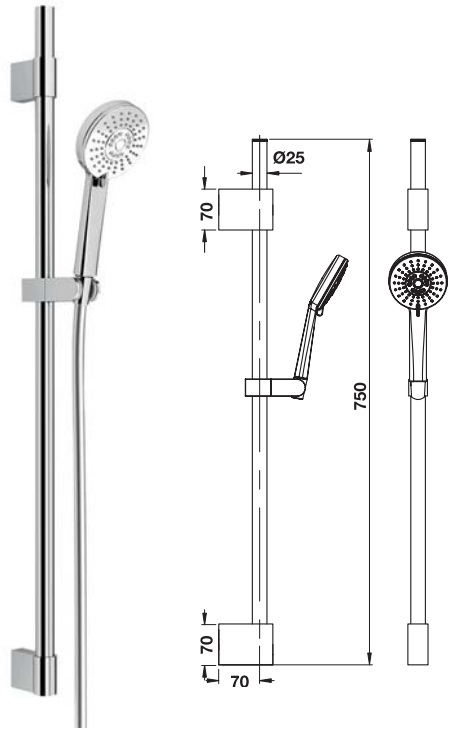


- Hand shower with Air system
- Version: 1-function hand shower
- Shower hose: 1,500 mm
- Flow limiter: 9 l/min
- Adjustable shower holder

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.302

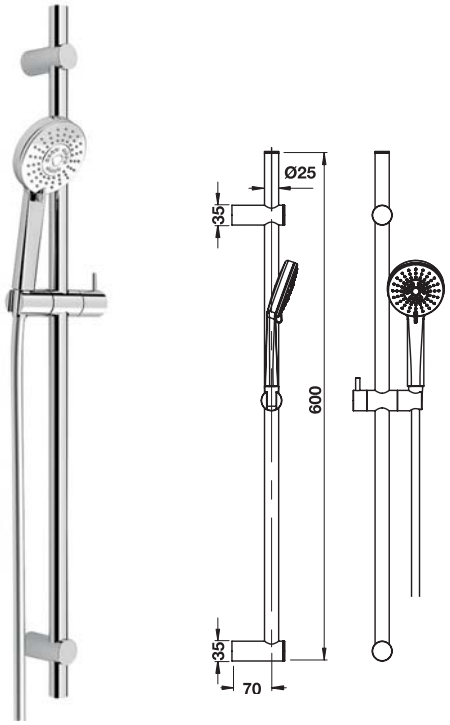
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Hand shower with shower rail



- Hand shower Ø100 mm with Air system
- Version: 3-function hand shower
- Shower hose: 1,500 mm
- Flow limiter: 9 l/min
- Adjustable shower holder

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.006

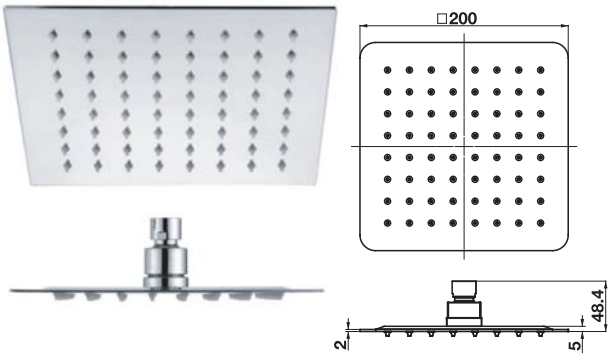


- Hand shower Ø100 mm with Air system
- Version: 3-function hand shower
- Shower hose: 1,500 mm
- Flow limiter: 9 l/min
- Adjustable shower holder

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.007

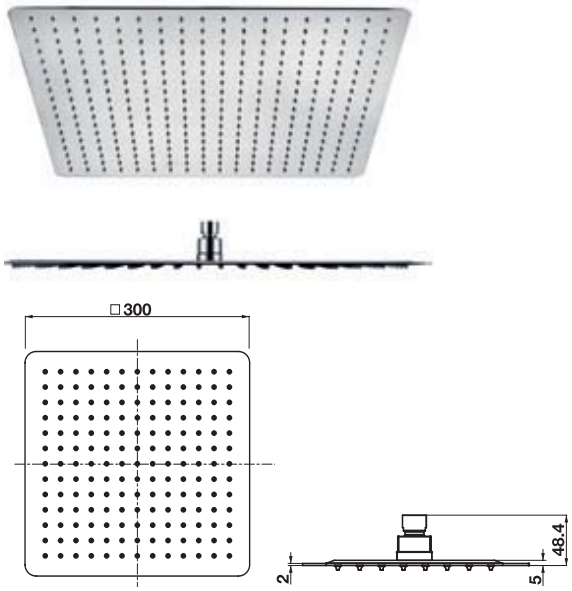
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Over head shower



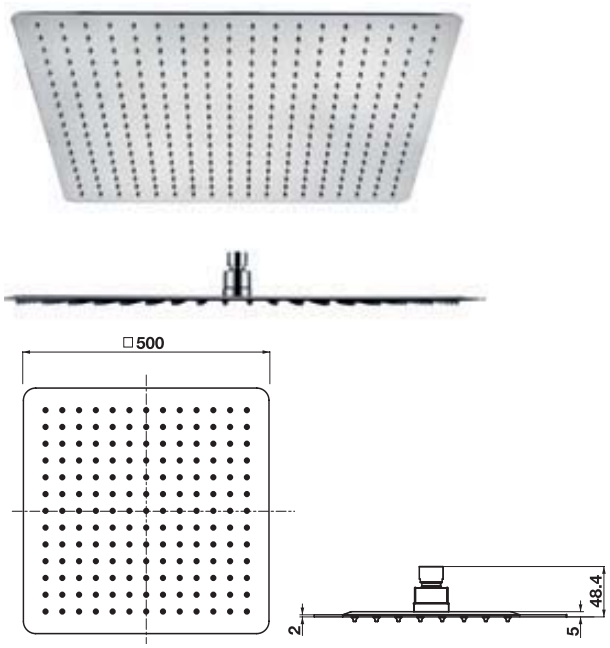
- Overhead shower 200 x 200 mm with Air system
- Ball joint connection G1/2”
- Flow limiter: 9 l/min

Material/Finish	Cat. No.
Stainless steel polished	589.85.100



- Overhead shower 300 x 300 mm with Air system
- Ball joint connection G1/2”
- Flow limiter: 9 l/min

Material/Finish	Cat. No.
Stainless steel polished	589.85.102

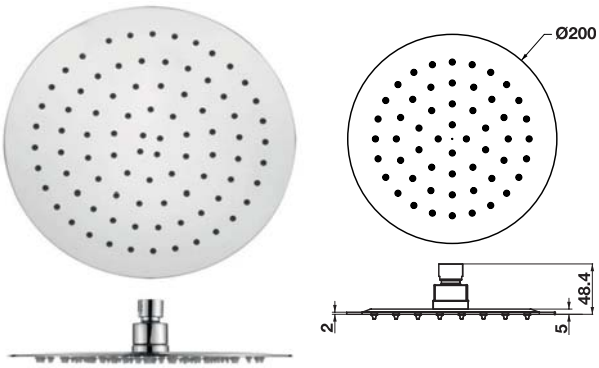


- Overhead shower 500 x 500 mm with Air system
- Ball joint connection G1/2”
- Flow limiter: 9 l/min

Material/Finish	Cat. No.
Stainless steel polished	589.85.104

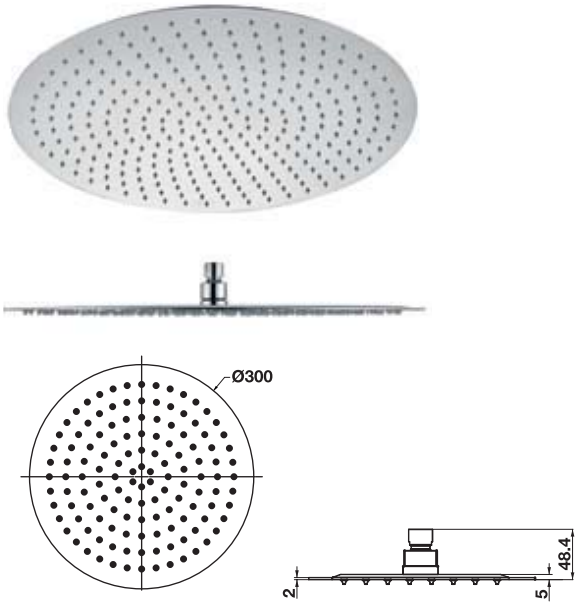
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Over head shower



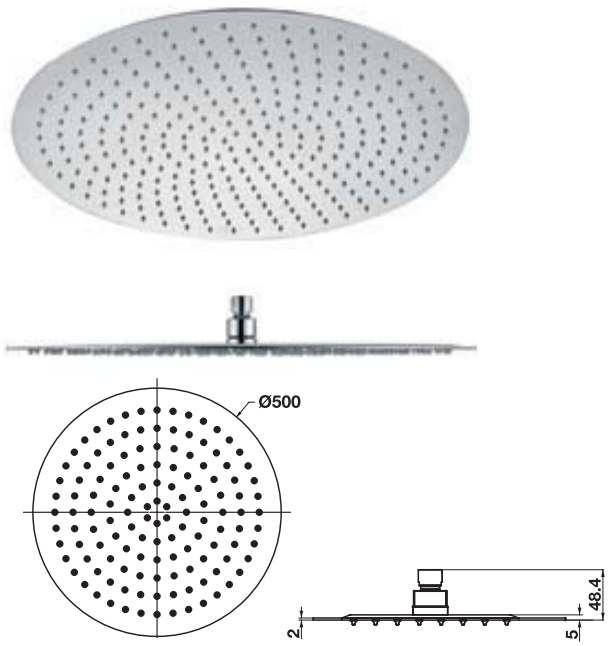
- Overhead shower Ø200 mm with Air system
- Ball joint connection G1/2”
- Flow limiter: 9 l/min

Material/Finish	Cat. No.
Stainless steel polished	589.85.101



- Overhead shower Ø300 mm with Air system
- Ball joint connection G1/2”
- Flow limiter: 9 l/min

Material/Finish	Cat. No.
Stainless steel polished	589.85.103

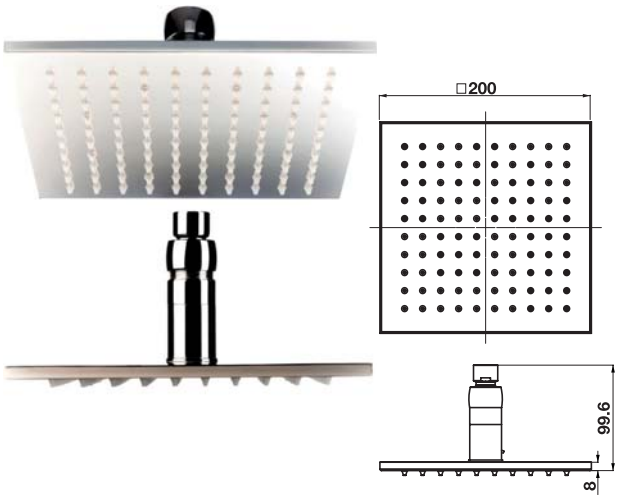


- Overhead shower Ø500 mm with Air system
- Ball joint connection G1/2”
- Flow limiter: 9 l/min

Material/Finish	Cat. No.
Stainless steel polished	589.85.105

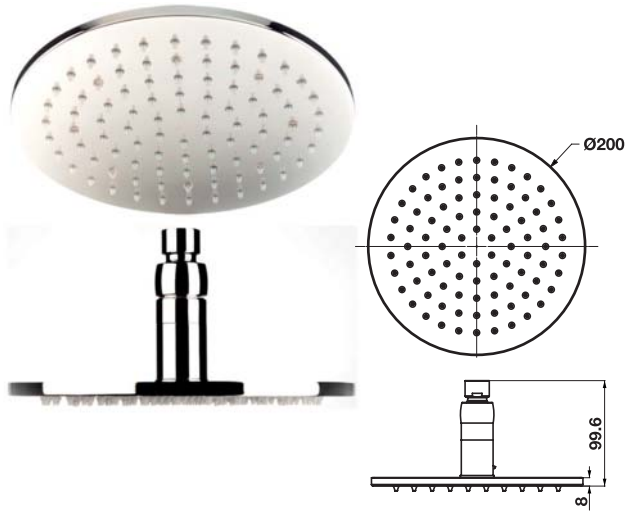
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Over head shower with 8 LED lamps



- Overhead shower 200 x 200 mm
- Ceiling connection G1/2”
- Flow limiter: 9 l/min
- LED's change depending on water temperature their colour

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.150



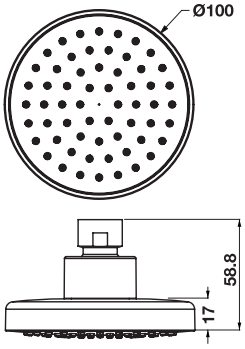
- Overhead shower Ø200 mm
- Ceiling connection G1/2”
- Flow limiter: 9 l/min
- LED's change depending on water temperature their colour

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.151

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Over head shower

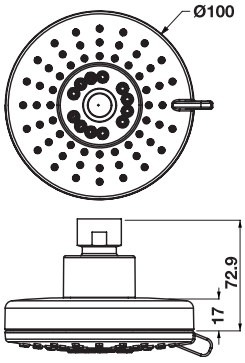




- Overhead shower Ø100 mm with Air system
- Version: 1-function overhead shower
- Pivot ball joint connection G1/2”
- Flow limiter: 9 l/min

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.200



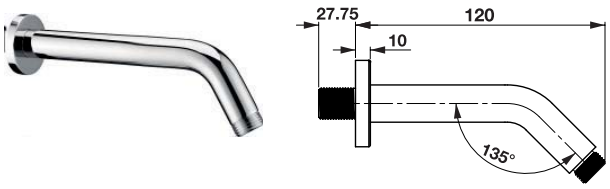


- Overhead shower Ø100 mm with Air system
- Version: 3-function overhead shower
- Pivot ball joint connection G1/2”
- Flow limiter: 9 l/min

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.201

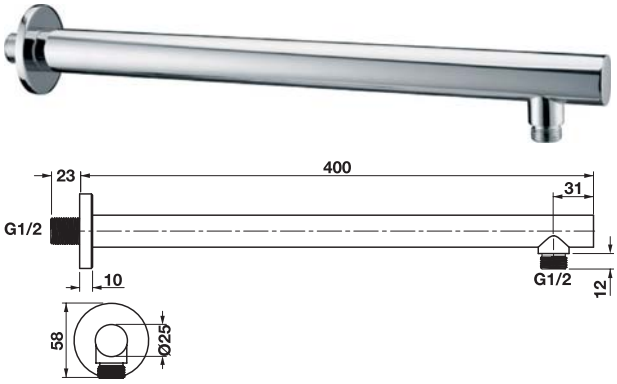
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Shower arm



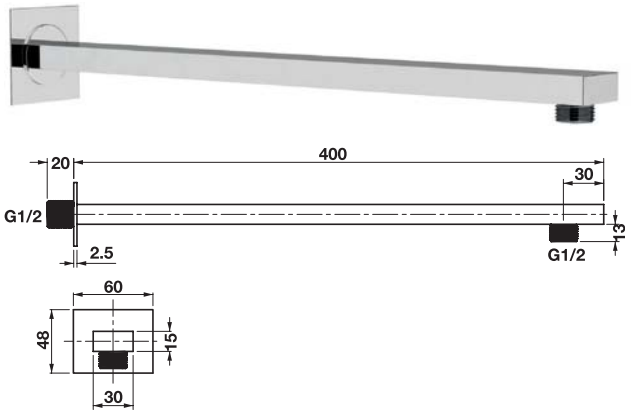
- Shower arm Ø25
- Wall installation

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.400



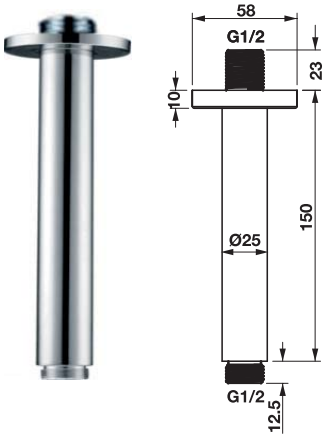
- Shower arm Ø25
- Wall installation

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.401



- Shower arm 30 x 15 x 400 mm
- Wall installation

Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.402



- Shower arm Ø25
- Ceiling installation

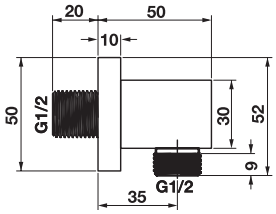
Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.403

7

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

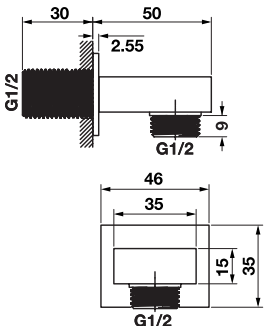
Wall connector





Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.404





Material/Finish	Cat. No.
Brass chrome plated polished/ABS	589.85.405

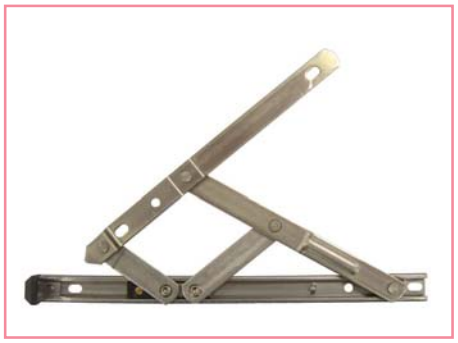
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

8 Window Fittings

















Window & profile handles





Window handle 8.4

Profile handle 8.9

Window grip handle 8.11

Window accessories





Window lock 8.12

Casement stay/fastener 8.13

Door bolt 8.14

Window hook 8.14

Window handle 8.14

Cremone bolt 8.15

Window friction hinge 8.16

Sliding/folding fittings





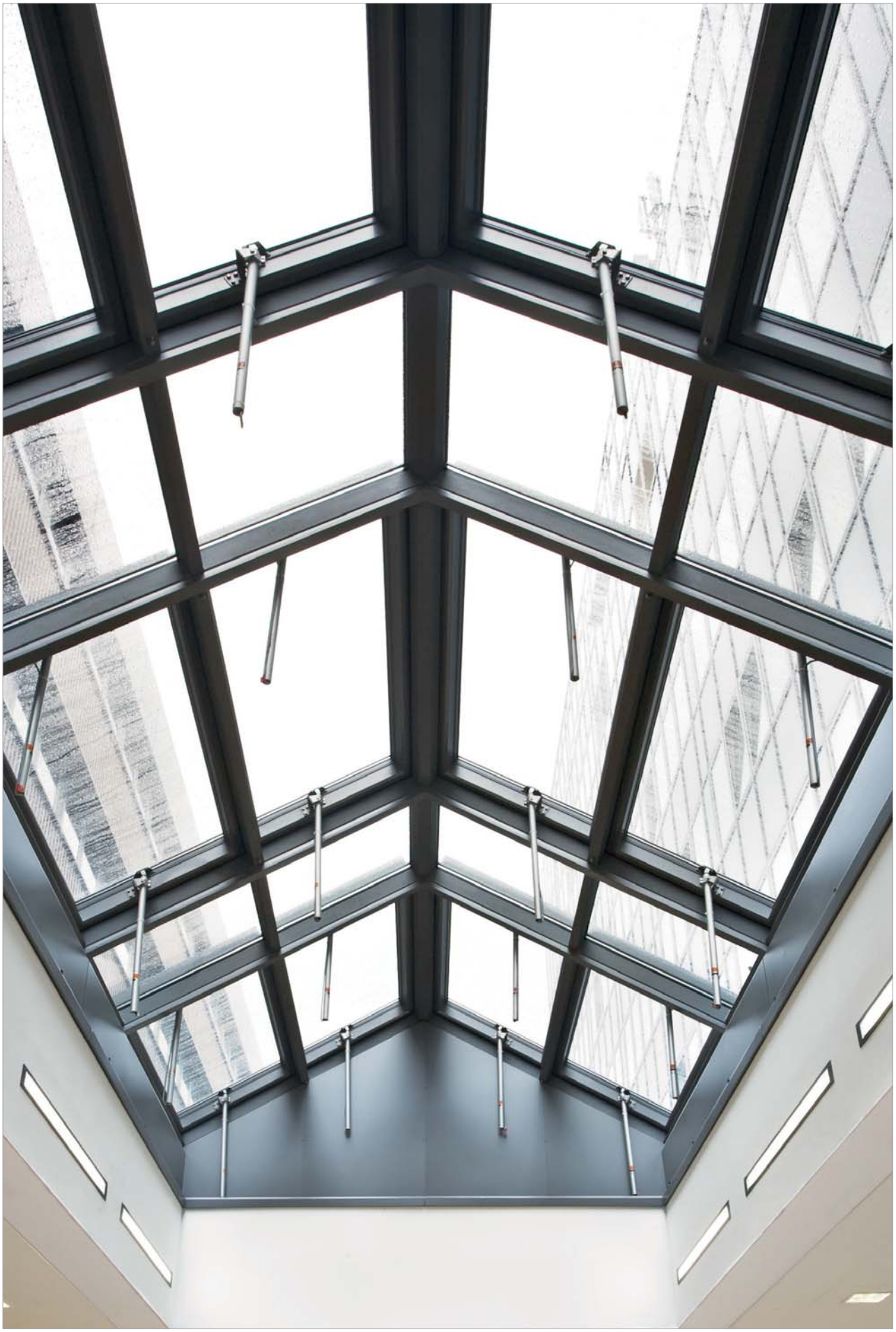
Folding window fitting Fold 35 ..... 8.21

Sliding window fitting CS-Portal - Aluminium 8.26

Sliding window fitting CS-Portal - PVC 8.29

Fanlight opener OL90N GEZE 8.34

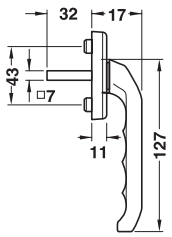
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Window handles





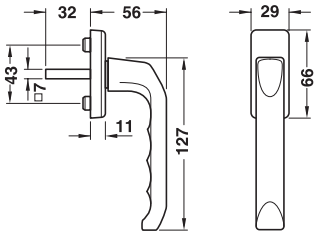
Features

- 90° ball catch mechanism for tilt and turn windows

Material/Finish	Cat. No.
Aluminium silver coloured	974.30.871
Aluminium white coloured	974.30.877

Packing: 1 pc.





Features

- 90° ball catch mechanism for tilt and turn window

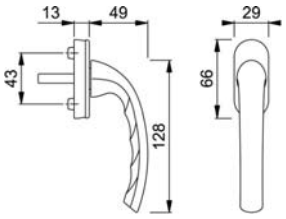
Material/Finish	Cat. No.
Aluminium silver coloured	974.30.201
Aluminium white coloured	974.30.209

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Window handles





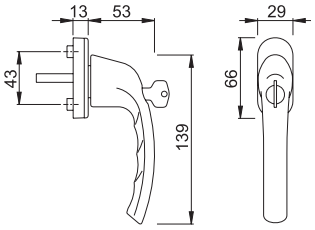
Features

- 90° ball catch mechanism for tilt and turn windows

Material/Finish	Cat. No.
Aluminium silver coloured	974.33.005
Aluminium white coloured	974.30.447

Packing: 1 pc.





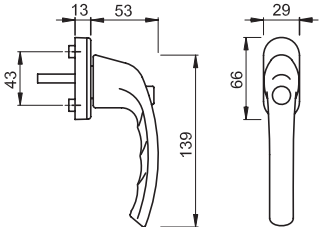
Features

- 90° ball catch mechanism for tilt and turn windows
- With key for lock

Material/Finish	Cat. No.
Aluminium white coloured	974.33.009

Packing: 1 pc.





Features

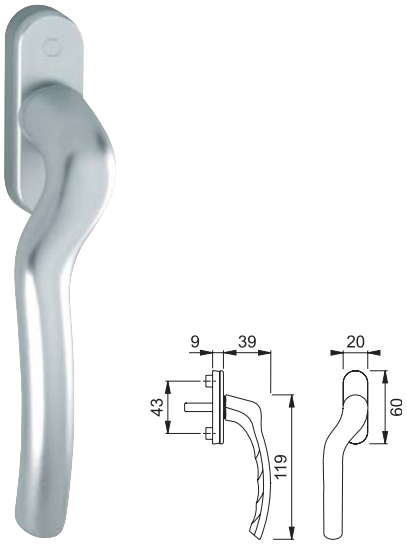
- 90° ball catch mechanism for tilt and turn windows
- With push button to open

Material/Finish	Cat. No.
Aluminium white coloured	974.33.010

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Window handles

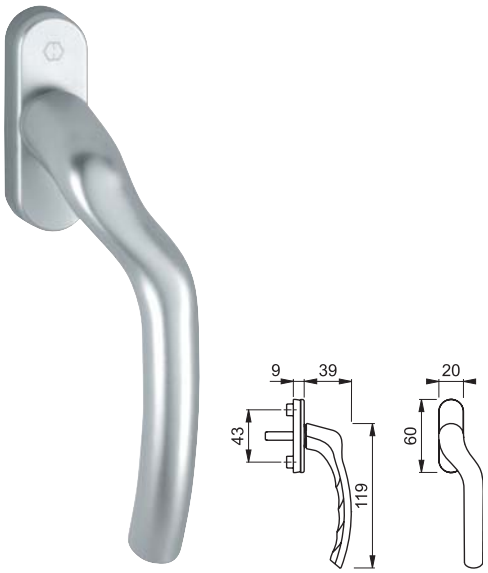


Features

- 90° ball catch mechanism for tilt and turn windows
- For DIN left hand

Material/Finish	Cat. No.
Aluminium silver coloured	974.33.013
Aluminium white coloured	974.33.014

Packing: 1 pc.

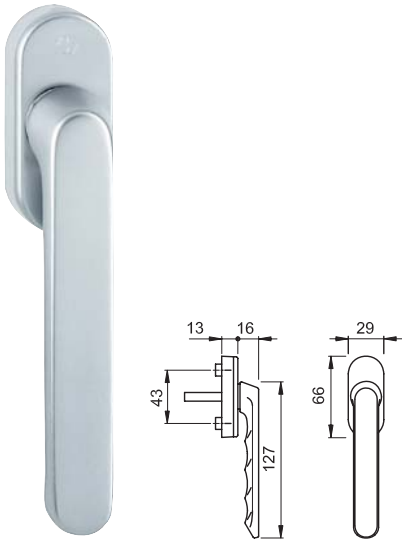


Features

- 90° ball catch mechanism for tilt and turn windows
- For DIN right hand

Material/Finish	Cat. No.
Aluminium silver coloured	974.33.016
Aluminium white coloured	974.33.018

Packing: 1 pc.



Features

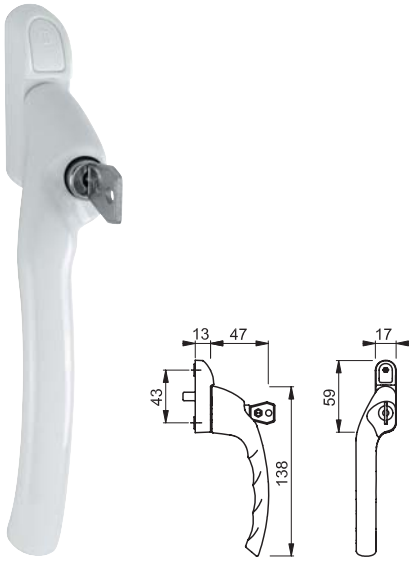
- 90° ball catch mechanism for tilt and turn windows

Material/Finish	Cat. No.
Aluminium silver coloured	974.33.031
Aluminium white coloured	974.33.011

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Window handles

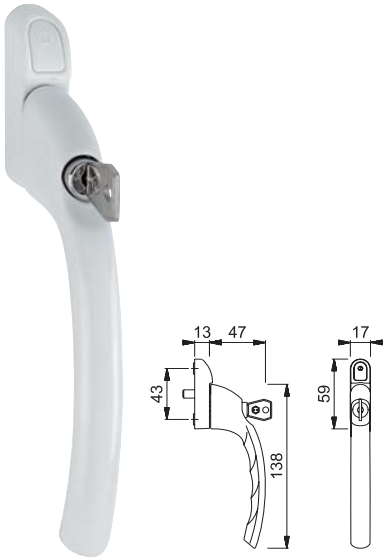


Features

- 90° ball catch mechanism for tilt and turn windows
- For DIN left hand
- With key for lock

Material/Finish	Cat. No.
Aluminium silver coloured	974.33.020
Aluminium white coloured	974.33.022

Packing: 1 pc.



Features

- 90° ball catch mechanism for tilt and turn windows
- With key for lock

Material/Finish	Cat. No.
Aluminium silver coloured	974.33.028
Aluminium white coloured	974.33.030

Packing: 1 pc.



Features

- 90° ball catch mechanism for tilt and turn windows
- For DIN right hand
- With key for lock

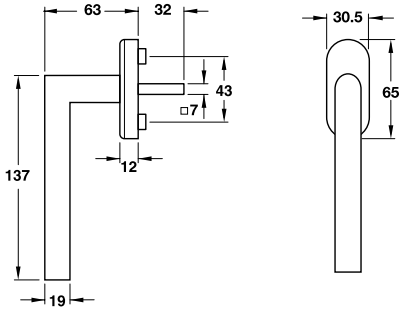
Material/Finish	Cat. No.
Aluminium silver coloured	974.33.024
Aluminium white coloured	974.33.026

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Window handles StarTec





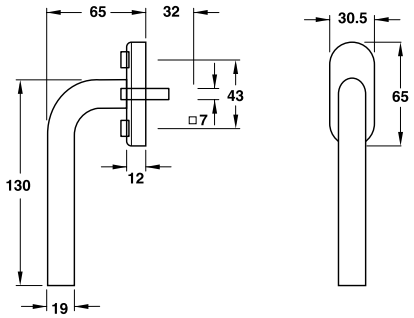
Features

• 90° ball catch mechanism for tilt and turn window

Material/Finish	Cat. No.
Stainless steel matt	973.30.900

Packing: 1 pc.





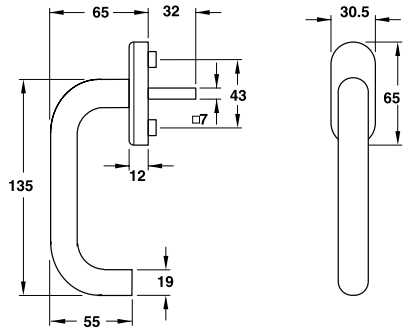
Features

• 90° ball catch mechanism for tilt and turn windows

Material/Finish	Cat. No.
Stainless steel matt	973.30.880

Packing: 1 pc.





Features

• 90° ball catch mechanism for tilt and turn windows

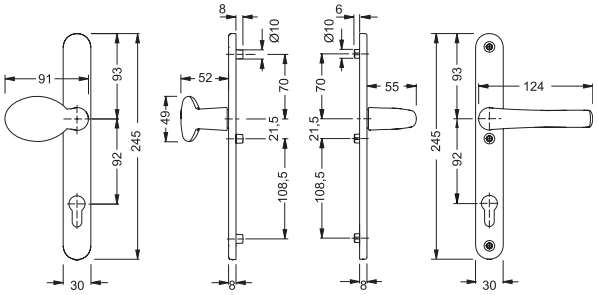
Material/Finish	Cat. No.
Stainless steel matt	973.30.890

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Profile handles





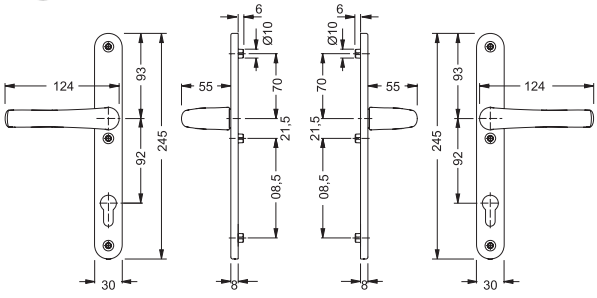
Features

- For narrow framed doors
- Spindle: □ 8 mm
- Distance: 92 mm
- For profile cylinder
- Outside fixed knob

Material/Finish	Cat. No.
Aluminium silver coloured	905.80.000
Aluminium white coloured	905.80.002

Packing: 1 pc.





Features

- For narrow framed doors
- Spindle: □ 8 mm
- Distance: 92 mm
- For profile cylinder

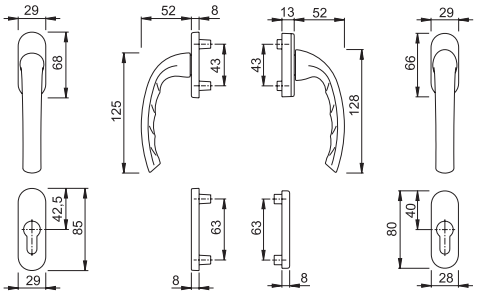
Material/Finish	Cat. No.
Aluminium silver coloured	905.80.512
Aluminium white coloured	905.80.514

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Profile handles





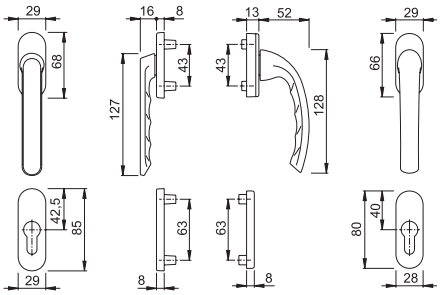
Features

- For narrow framed doors
- Spindle: □ 8 mm
- For profile cylinder

Material/Finish	Cat. No.
Aluminium silver coloured	905.80.516
Aluminium white coloured	905.80.518

Packing: 1 pc.





Features

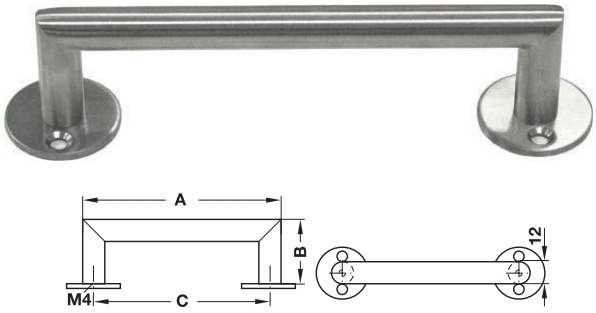
- For narrow framed doors
- Spindle: □ 8 mm
- For profile cylinder

Material/Finish	Cat. No.
Aluminium silver coloured	905.80.520
Aluminium white coloured	905.80.522

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Window grip handles StarTec

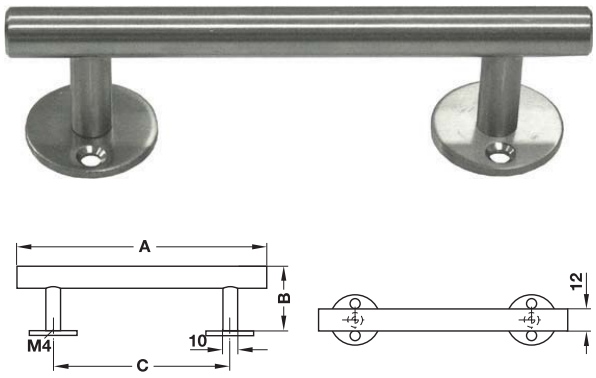


Features

- Stainless steel matt

Dim. A mm	Dim. B mm	Dim. C mm	Cat. No.
108	36	96	972.30.932
140	36	128	972.30.934
172	36	160	972.30.936
204	36	192	972.30.938
236	36	224	972.30.940
300	36	288	972.30.942

Packing: 1 pc.

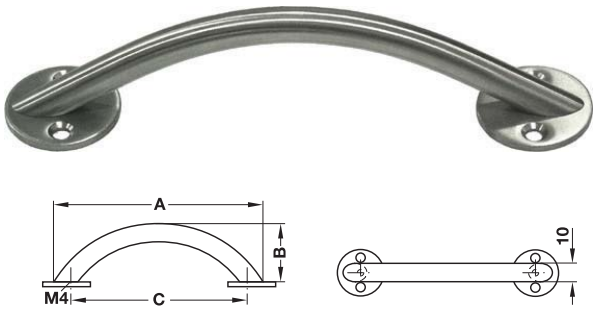


Features

- Stainless steel matt

Dim. A mm	Dim. B mm	Dim. C mm	Cat. No.
136	35	106	972.30.900
168	35	128	972.30.902
232	35	192	972.30.904
200	35	160	972.30.906
328	35	288	972.30.908
392	35	352	972.30.910

Packing: 1 pc.



Features

- Stainless steel matt

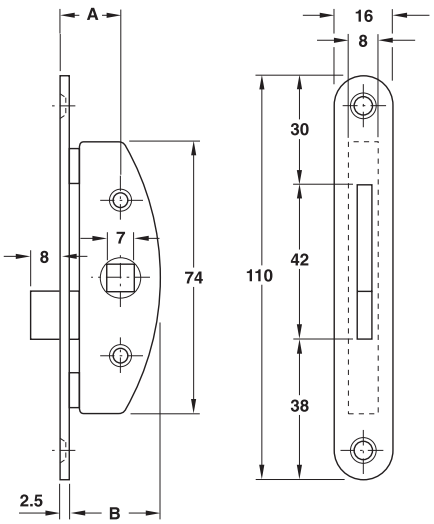
Dim. A mm	Dim. B mm	Dim. C mm	Cat. No.
114	32	96	972.30.912
156	34	128	972.30.914
195	34	160	972.30.916
229	37	192	972.30.918
268	37	224	972.30.920

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Window lock StarTec





Features

- For windows and window doors
- Suitable for left and right hand application
- With pivot bolt
- Rounded forend

Technical data

- Lock handle follower: □ 7 mm
- Backset (A): 17/30/35 mm
- Forend length: 110 mm
- Forend width: 16 mm

Finish

Lock case and forend: Steel yellow chromatized

Supplied with

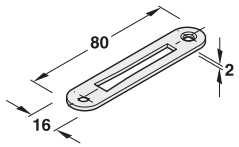
1 Lock

2 Screws for handles

Dim. A mm	Dim. B mm	Cat. No.
17	28	970.15.601
30	41	970.15.602
35	46	970.15.603

Packing: 1 pc.

Striking plate



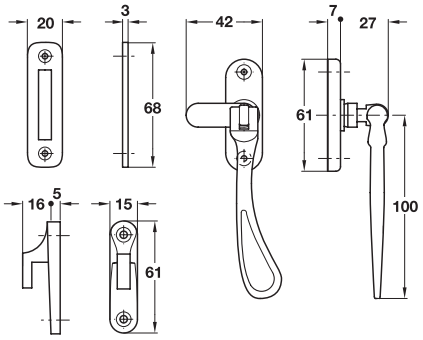
Material/Finish	Cat. No.
Steel yellow chromatized	970.15.902

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Casement fasteners, mortise and hook plate StarTec





Features

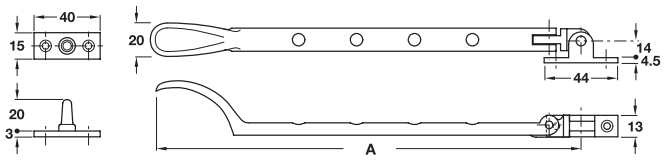
- Casement fastener, mortise and hook plate
- Reversible
- Choice of mortise or hook plate included:
  Mortise plate; for standard rebated frames
  Hook plate; for flush frames or double windows
- Fixing screws included

Material/Finish	Cat. No.
Brass chrome plated satin	970.02.804
Brass polished	970.02.808

Packing: 1 pc.

Casement stay StarTec





Features

- Available in three sizes
- Two standard pins included
- Fixing screws included

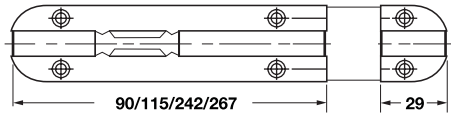
Dim. A mm	Brass chrome plated satin	Brass polished
200	970.02.824	970.02.828
254	970.02.834	970.02.838
305	970.02.844	970.02.848

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door bolt





Dim. mm	Material/Finish	Cat. No.
3.5”/90	Stainless steel matt	911.62.922
	Stainless steel brass polished	911.62.923
	Stainless steel antique brass	911.62.924
	Stainless steel antique copper	911.62.925
4.5”/115	Stainless steel matt	911.62.926
	Stainless steel brass polished	911.62.927
	Stainless steel antique brass	911.62.928
	Stainless steel antique copper	911.62.929
9.5”/242	Stainless steel matt	911.62.930
	Stainless steel brass polished	911.62.931
	Stainless steel antique brass	911.62.932
	Stainless steel antique copper	911.62.933
10.5”/267	Stainless steel matt	911.62.934
	Stainless steel brass polished	911.62.935
	Stainless steel antique brass	911.62.936
	Stainless steel antique copper	911.62.937

Packing: 1 pc. incl. fixing material

Window hook



Dim. inch/mm	Material/Finish	Cat. No.
6"/150	Stainless steel matt	489.71.810
	Stainless steel brass polished	489.71.811
	Stainless steel antique brass	489.71.812
	Stainless steel antique copper	489.71.813
8"/200	Stainless steel matt	489.71.820
	Stainless steel brass polished	489.71.821
	Stainless steel antique brass	489.71.822
	Stainless steel antique copper	489.71.823

Packing: 1 pc. incl. fixing material

Window grip handle

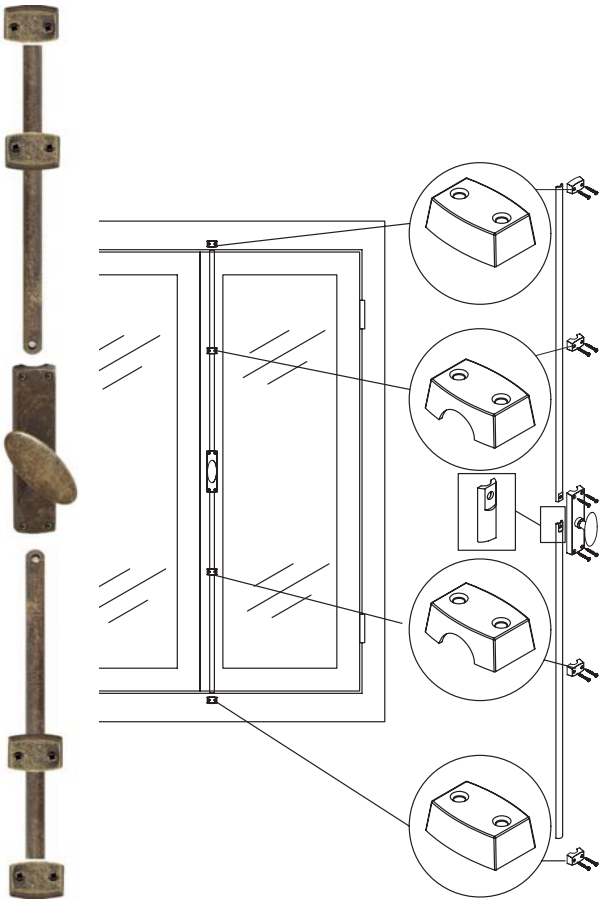


Dim. inch/mm	Material/Finish	Cat. No.
4.8"/120	Stainless steel matt	481.11.020
	Stainless steel brass polished	481.11.021
	Stainless steel antique brass	481.11.022
	Stainless steel antique copper	481.11.023
6"/150	Stainless steel matt	481.11.030
	Stainless steel brass polished	481.11.031
	Stainless steel antique brass	481.11.032
	Stainless steel antique copper	481.11.033

Packing: 1 pc. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Cremone bolt



Features

- For wood windows
- For face fixing
- Suitable for DIN left or right hand

Material

- Brass

Components		Length mm	Chrome plated satin	Antique brass
	Cremone bolt	–	971.05.004	971.05.001
	Rod	1,500	971.05.024	971.05.011
		2,000	–	971.05.021
	Middle follower	–	971.05.034	971.05.031
	End follower	–	971.05.044	971.05.041

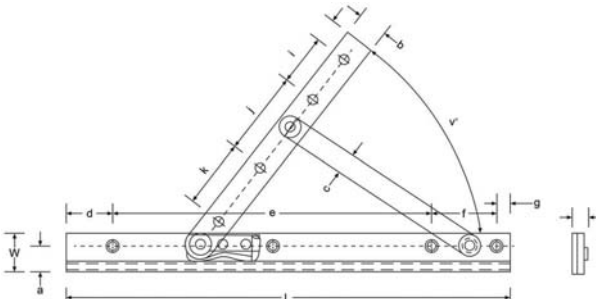
Note

Cat. No. refers to 1 pc. Please specify the required quantity. Middle follower should be installed in 600 mm intervals.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Window friction hinge





Dim. inch	Wind. width mm	Wind. height mm	Wind. weight kg
8"	400–500	1,300	15
10"	500–600		16
12"	600–750		17
14"	700–800		18
16"	800–900		19

Features

- Durability and smooth operation

Dim. inch/mm	Material/Finish	Cat. No.
8"/200	Stainless steel matt	499.70.610
	Stainless steel brass polished	499.70.611
	Stainless steel antique brass	499.70.613
	Stainless steel antique copper	499.70.612
10"/250	Stainless steel matt	499.70.620
	Stainless steel brass polished	499.70.621
	Stainless steel antique brass	499.70.623
	Stainless steel antique copper	499.70.622
12"/300	Stainless steel matt	499.70.630
	Stainless steel brass polished	499.70.631
	Stainless steel antique brass	499.70.633
	Stainless steel antique copper	499.70.632
14"/350	Stainless steel matt	499.70.640
	Stainless steel brass polished	499.70.641
	Stainless steel antique brass	499.70.643
	Stainless steel antique copper	499.70.642
16"/400	Stainless steel matt	499.70.650
	Stainless steel brass polished	499.70.651
	Stainless steel antique brass	499.70.653
	Stainless steel antique copper	499.70.652

Packing: 1 pair

Dim. inch/mm	V	T	W	L	a	b	c	d	e	f	g	i	j	k
8"/200	0–90°	10.0	25.5	202.5	17.5	17.9	12.0	19.5	136.0	39.0	8.0	37.0	40.0	32.5
10"/250				255.0				26.0	184.0	37.0		31.0	53.0	42.0
12"/300				304.0				28.5	230.0			40.0	64.0	53.0
14"/350				355.0				23.0	285.0			45.0	49.0	45.8
16"/400				406.0				29.0	330.0	39.0		44.0	58.0	56.0

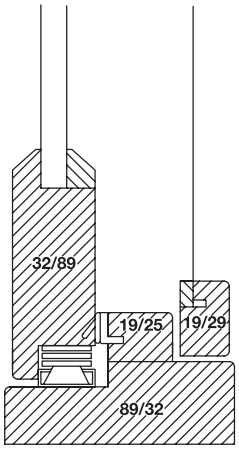
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

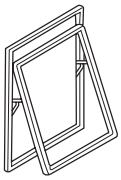
Window friction hinge - standard top hung and side hung StarTec

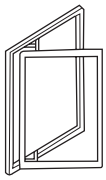


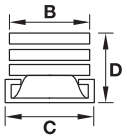
Features

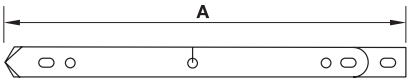
- Manufacture from high grade austenitic stainless steel (304)
- Composite steel/ plastic slider for strength
- Durability and smooth operation
- Manily used for light top projecting style domestic windows




Top Hung


Side Hung





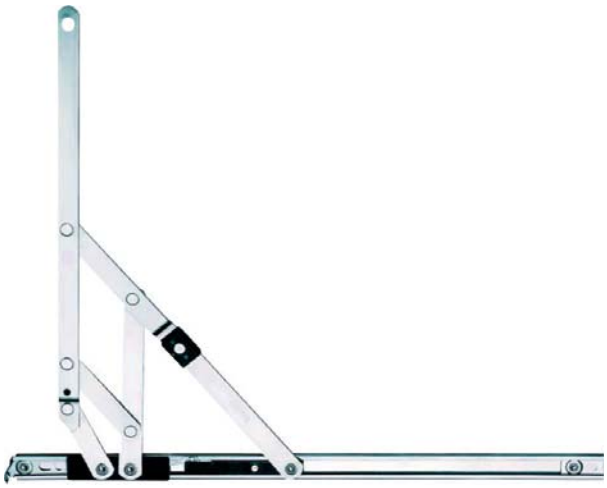
Size mm	A mm	B mm	C mm	D mm	Max. vent width mm	Max. vent height mm	Max. vent weight kg	Opening angle	Cat. No.
Top hung windows									
203	203	16	18	14	1,200	350	11	60°	972.05.001
255	255	16	18	14		400	16	84°	972.05.002
305	305	16	18	14.5		550	18	85°	972.05.003
356	356	16	18	15.5		650	20	87°	972.05.004
406	406	19	22	16		750	40	87°	972.05.015
457	457	19	22	16		850	42	87°	972.05.016
509	509	19	22	16		1,000	45	42°	972.05.017
609	609	19	22	16		1,200	50	45°	972.05.019
Side hung windows									
203	203	16	18	14	400	800	10	60°	972.05.001
255	255	16	18	14	500	1,000	14	84°	972.05.002
305	305	16	18	14.5	600	1,200	18	85°	972.05.003
356	356	16	18	15.5	650	1,200	20	87°	972.05.004
406	406	19	22	16	700	1,200	32	87°	972.05.015
457	457	19	22	16	750	1,200	33	87°	972.05.016

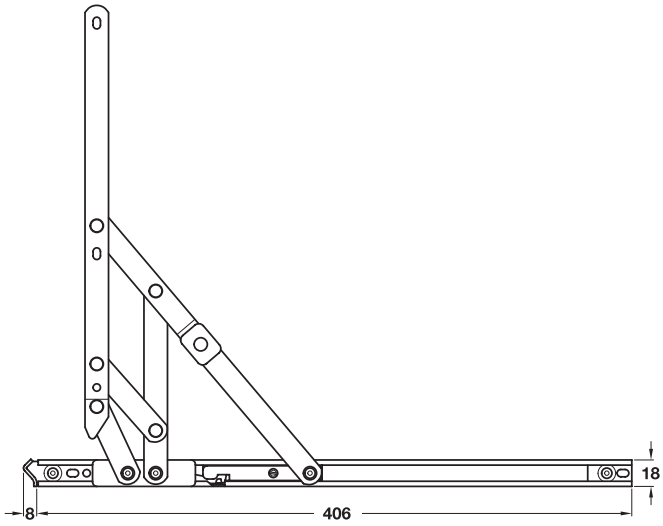
Packing: 1 pair

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Window friction hinge - egress/easy clean

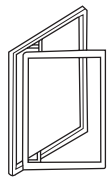






Features

- Allows specifiers and fabricators to conform to BS 5588 Part 1: 1990 and current UK building regulations
- Hinge quickly provides the minimum required opening of 550 mm wide x 850 mm high with simple one-handed operation in accor dance with BS 5588
- Easy Clean is operated by the simple action of opening the vent to its fullest extent at 90 degrees, releases both top and bottom catches. In this position the window is safe, and can be eased along the track to facilitate cleaning the outside surface.
- While cleaning, the hinge remains safe and stable due to a de sign feature that locks the two sliding mechanisms
- An integral riser pad makes closing much easier
- Window labels providing operating instructions are supplied
- One size only
- Stainless steel



Side Hung

Size mm	Max. vent width mm	Max. vent height mm	Max. vent weight kg	Opening angle	Cat. No.
406	700	1,300	26	90°	911.59.125

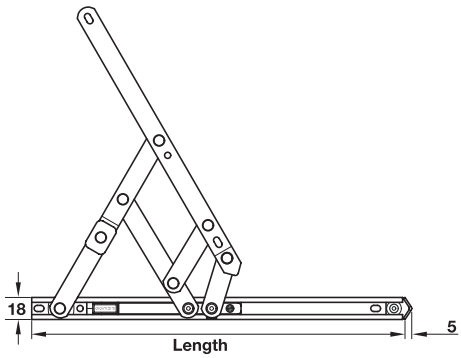
Packing: 1 pair

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Window friction hinge - restrictor hinge

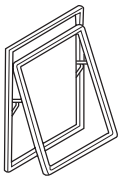


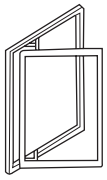




Features

- Mechanism that restricts the initial window opening to 100 mm. Complies with BS 8213 Part 1: 1991 'Code of Practice for Safety in use and in cleaning'
- Designed to be unobtrusive, the opening catch is less tempting to children
- The mechanism requires a certain level of strength and dexterity to operate and two hands are required to co-ordinate opening, giving added protection.
- The entire restrictor mechanism is integral to the hinge, eliminating the need for a separate restrictor
- Windows Incorporating the restrictor hinge have been tested and meet the requirements of BS 6375, Part 2: 1987, Clause A7 Test 6, 'Strength of Restricted Opening, Location Devices and Maximum Opening Stops'
- Range of two sizes of side hung and top hung available
- Stainless steel


Top hung


Side hung

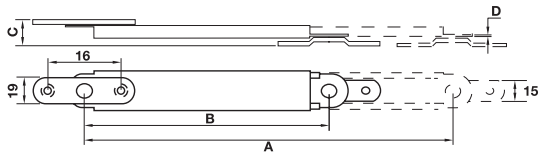
Size mm	Max. vent width mm	Max. vent height mm	Max. vent weight kg	Opening angle	Cat. No.
Side hung windows					
305	600	1,300	22	60°	911.59.128
406	700		24	60°	911.59.129
Top hung windows					
509	1,000	1000	24	52°	911.59.126
609	1,200	1,200	35	38°	911.59.127

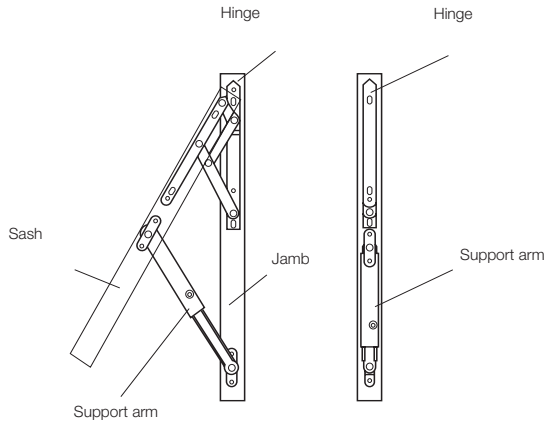
Packing: 1 pair

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Window friction hinge - support arm StarTec







Extended position Closed position

Features

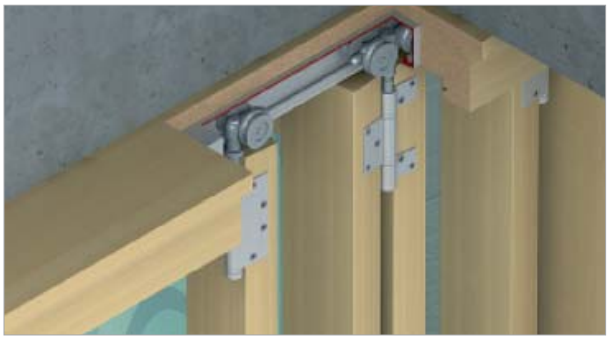
- Manufactured from high grade austenitic stainless steel 304 through out body.
- Using on top hung windows to limit the opening.
- The vent can be locked open at a desired position for ventilation and to prevent sudden closing during the wind gusts.
- To unlock the support arms from its opening position, simply lift the sash slightly then close

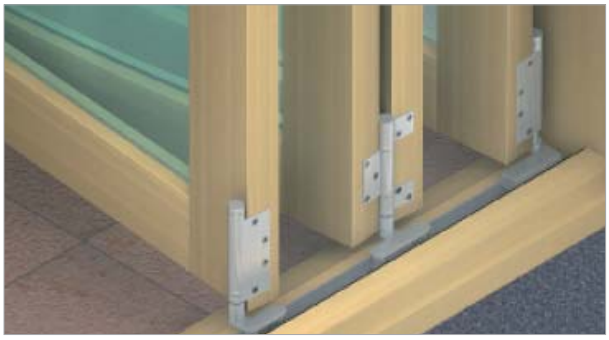
Dim. A mm	Dim. B mm	Dim. C mm	Dim. D mm	Cat. No.
253	180	16	1.0	973.02.000
305	205			973.02.001
354	230			973.02.002
408	257			973.02.003

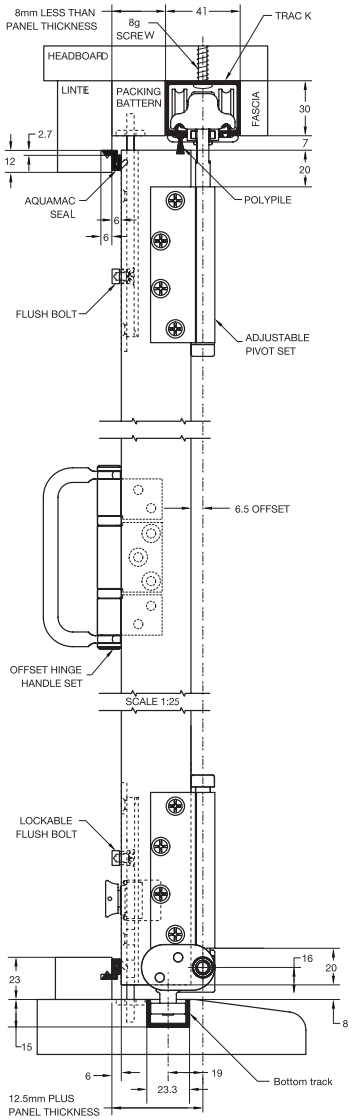
Packing: 1 pair

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Folding window fitting Fold 35







OUTSTANDING QUALITY

Features

- For timber door frames
- For 2- to 6-leaf folding doors
- Floating suites possible
- Full corrosion resistant construction, ideal for coastal applications
- Concealed channel to enhance appearance
- Non-mortise hinges and hanger
- Precision bearings top and bottom to reduce rolling resistance
- Durable polypropylene channel provides quiet operation

Technical data

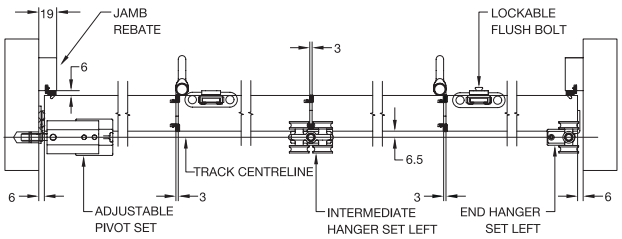
- Max. window weight per leaf: 35 kg
- Max. window height: 1,800 mm
- Max. window leaf width: 1,000 mm
- Max. 12 leafs (6 left and 6 right)
- Min. window thickness: 35 mm

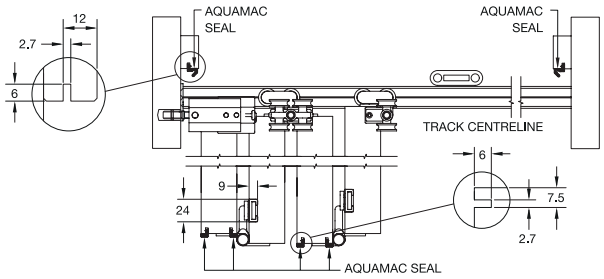
Material

- Running gear nylon rollers with steel precision stainless steel bearings, stainless steel (304) hinges, stainless steel (316) pivot, hanger bodies and bottom guides, bottom guides with sealed precision stainless steel bearings

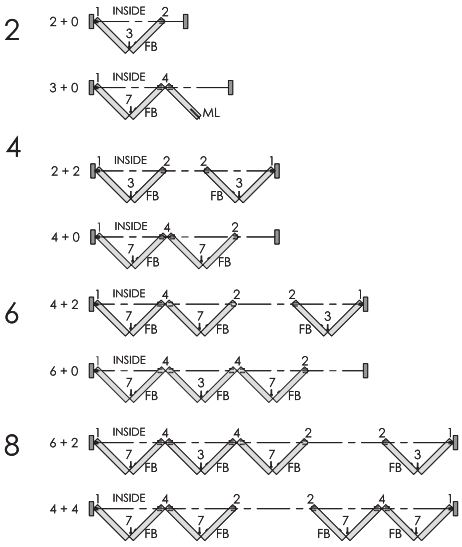
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Top view of closed and opened doors



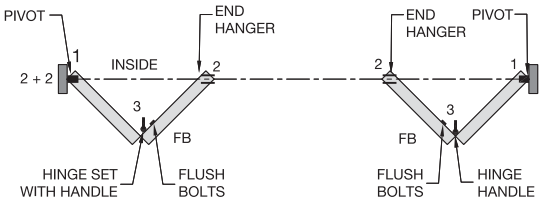


Application overview for outward opening windows

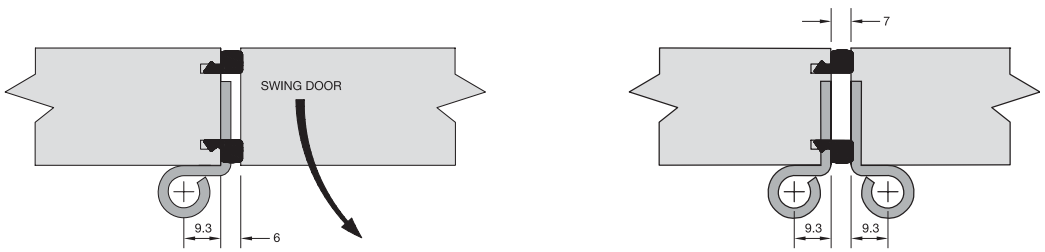


Part overview		
Symbol	Ref.	Description
	1	Adjustable pivot set
	1	Jamb hinge
	2	End hanger set with guide
	3	Hinge set with hinge handle
	4	Intermediate hanger set with guide
	7	Offset hinge set with hinge handle
	FB	Flush bolt

Example overview for a 2+2 system

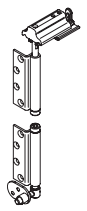
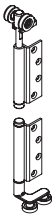
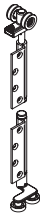


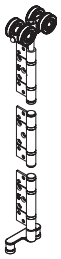
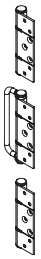
Overview meeting points (point where the last panels of right/left side meets each other)

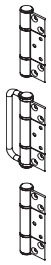
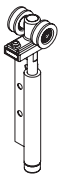


We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

35 kg hinge and pivot sets

			
	1	2	2
Material/Finish	Pivot assembly non-mortise	End hanger set left side	End hanger set right side
Stainless steel satin	943.34.250	943.34.259	943.34.260

		
	4	7
Material/Finish	Intermediate hanger set non-mortise left side	Offset hinge set with hinge handle non-mortise
Stainless steel satin	943.34.257	943.34.256

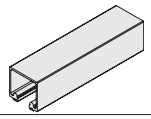
			
	3	5	1
Material/Finish	Hinge set with hinge handle non-mortise	End hanger set	Jamb hinge
Stainless steel satin	943.34.253	943.34.251	943.34.255

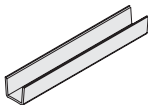
Order reference

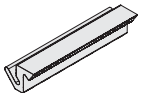
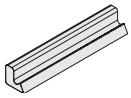
The end hanger set (2) can be replaced with end hanger set (5) but the door width can not be higher than 650 mm.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Accessories and tracks for Fold 35

Running track	Dim. (W x H) mm	Material	Finish	Length mm	Cat.No.
	41 x 30	Aluminium	Clear anodized	2,000	943.34.822
				3,000	943.34.832
				4,000	943.34.842
				6,000	943.34.862

Bottom guide channel as single	Dim. (W x H x T) mm	Material	Finish	Length mm	Cat.No.
	23 x 15 x 2	Aluminium	Clear anodized	2,000	943.33.220
				3,000	943.33.230
				4,000	943.33.240
				6,000	943.33.260

Support channel for bottom guide chanel		Material	Colour	Cat.No.
	Frame seal	Plastic	Brown	950.06.201
			White	950.06.207
	Door seal with 6 mm thickness	Plastic	Brown	950.06.711
			White	950.06.717
	Track seal	Plastic	–	950.06.291

Calculations for length of seals (allowing 1m cutting reserve)

Frame seal length normal= (2 x opening width + 2 x opening height) +1 m

Door seal length (6 mm thickness)= (2 x no. of door leaves x opening height) +1 m

Track seal length= Opening width + 1 m

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Flush bolts for Fold 35



Features
- With slide

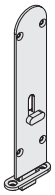
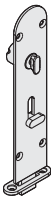
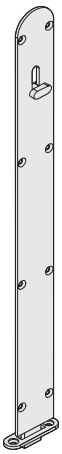
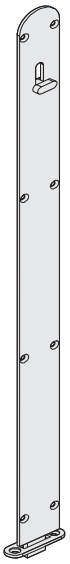
Technical data
- Width: 41 mm
- Stoke: 20 mm

Supplied with

1 Slide flush bolt

1 Strike plate

1Set of fixing material

	Flush bolts 190 mm		Flush bolts 450 mm		Flush bolts 600 mm
					
Material/Finish	Standard	Lockable	Standard	Lockable	Standard
Brass nickel plated satin	911.62.501	911.62.507	911.62.516	911.62.519	911.62.525
Brass polished PVD	911.62.750	911.62.764	911.62.752	911.62.865	911.62.754
Stainless steel matt	911.62.670	–	911.62.671	–	911.62.672

Order reference

Please request the planning and installation assistance of our sales department for preparation of hardware and window sizes.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding window fitting CS-Portal - Aluminium



Features

- Ball bearing raced wheels
- Adjustable hook
- For roller rails with bearing surface ankle of 155°

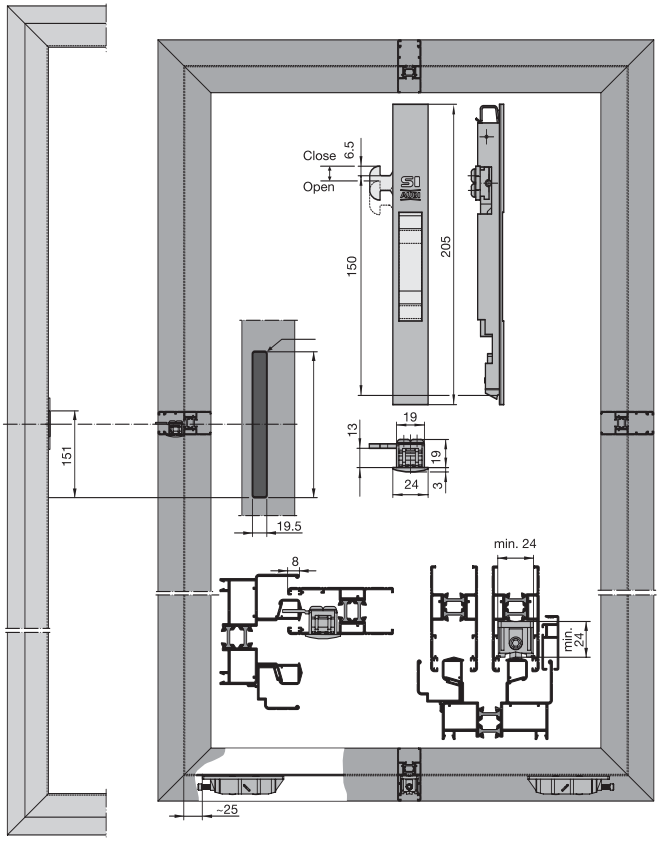
Technical data

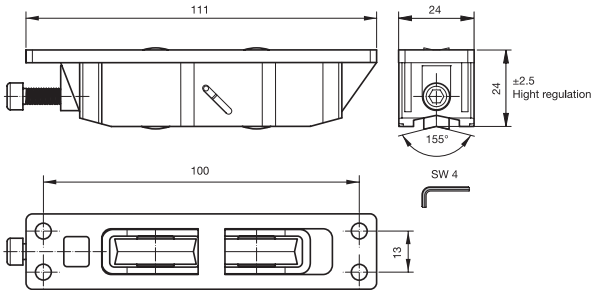
- Max. window weight per leaf: 100 kg
- Trolley: Nylon housing with stainless steel ball bearing

Important note

Not usable in:

- damp rooms
- environments with aggressive air content
- environment with salty air





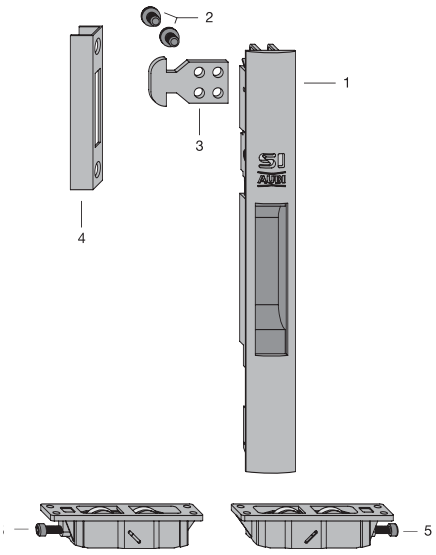
Frame installation	Sash installation	Final installation
Place strikers CS ALU (4) In the correct position and screw on.	**A** Milling for entrance at the flash handle (1) **B** Flash handle CS ALU (1) use to push up and lock down. **C** Rollers CS ALU (5) assembly into the profile and screw on.	**A** Place the sliding sash into the outer frame. **B** Check for correct operation.

Order reference

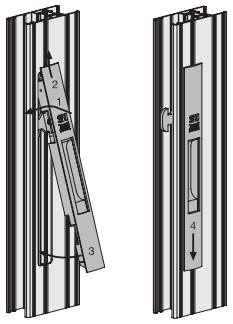
For more details of different profiles, please don't hesitate to contact our sale department.

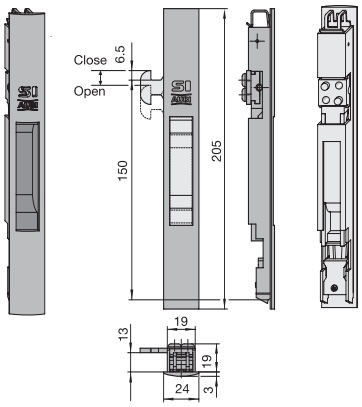
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

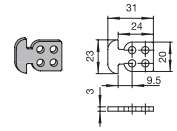
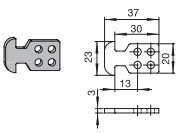
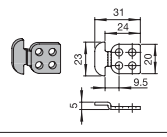
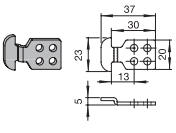
Lock material overview



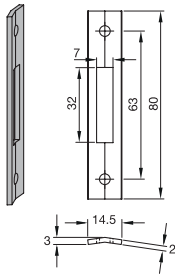
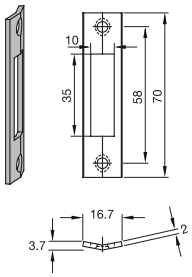
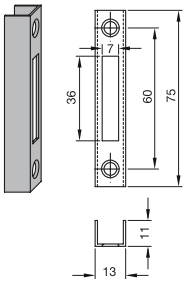
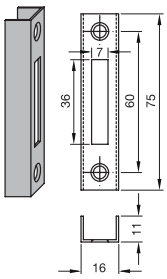
Flush handle installation

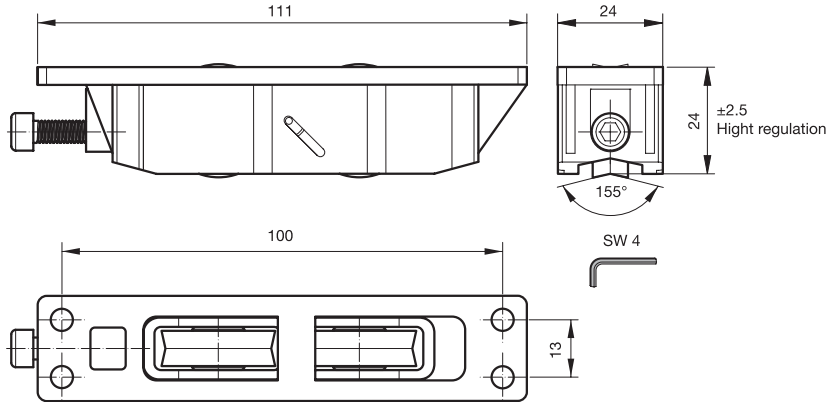


Flush handle CS (1)	Material	Colour	Cat.No.
	Stainless steel	White	904.00.817
		Black	904.00.813
		Silver	904.00.811

Hook for lock	Dimension mm	Material	Colour	Cat.No.
	31	Stainless steel	Black	941.11.021
	37			941.11.022
	31			941.11.023
	37			941.11.024

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Striking plate	Dimension mm	Material	Colour	Cat.No.
	14.5	Stainless steel	Black	941.11.033
	16.7			941.11.034
	13.0			941.11.031
	16.0			941.11.032

Rollers max. 100 kg (5)	Material	Colour	Cat.No.
	Stainless steel	Black	941.11.012

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding window fitting CS-Portal - PVC





Features

- High burglary resistant
- Ball bearing raced wheels
- Anti lift point
- Available handle with mortise lock

Technical data

- Max. sash height: 2,300 mm
- Max. sash weight: 80 and 150 kg
- Backset E standard drive gear: 9 mm
- Backset E drive gear PZ-17: 17 mm
- Sash width depends on profile system specifications

Important note

Not usable in:

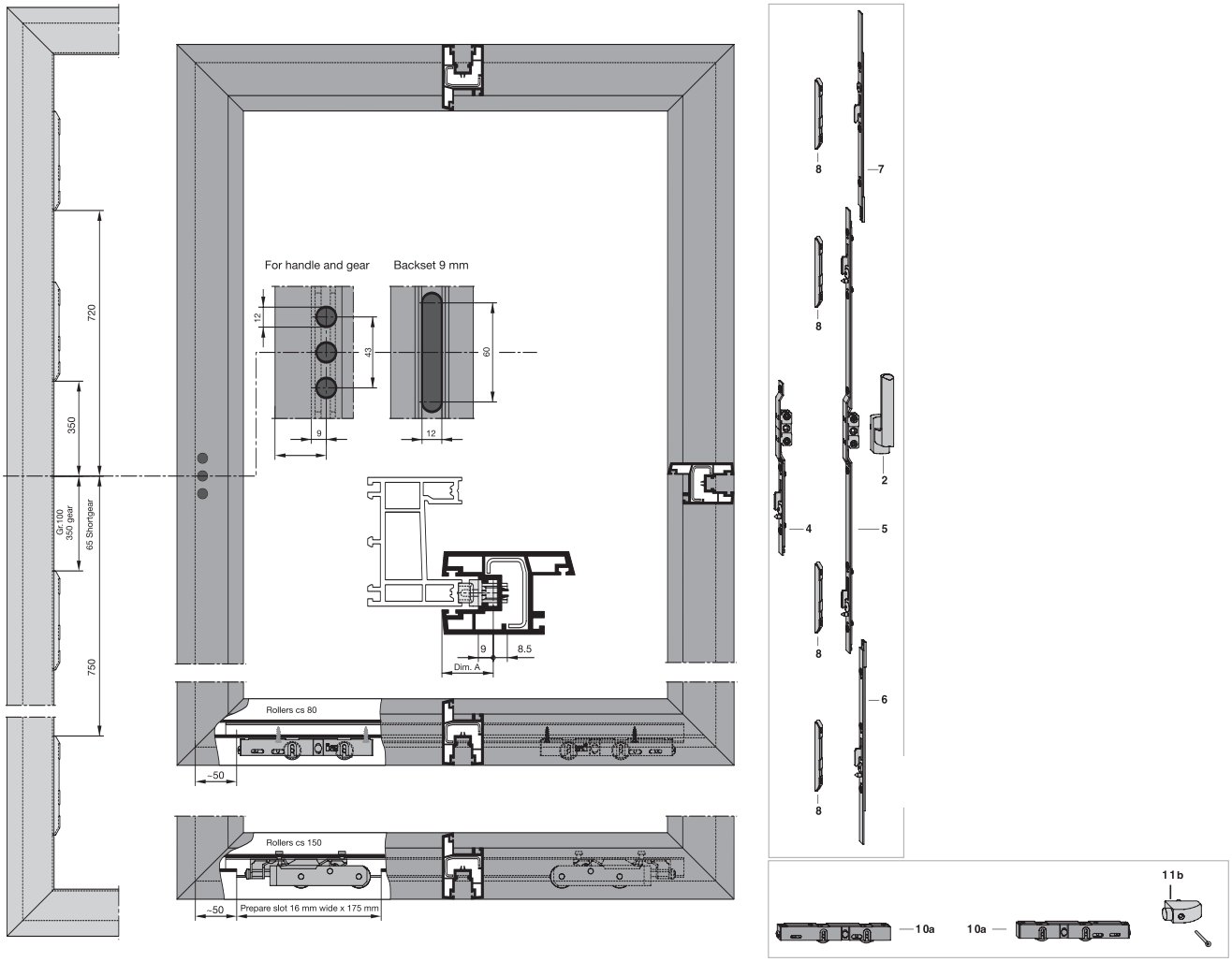
- damp rooms
- environments with aggressive air content
- environment with salty air

Order reference

Sash rebate heights over 2,300 mm are possible, but the max. locking height is 2,300 mm. The above trolleys fit into the Veka AG and Thyssen PVC profiles. For more details of different profiles, please don't hesitate to contact our sales department.

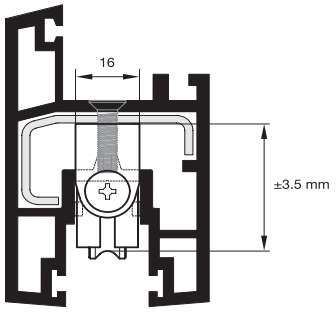
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

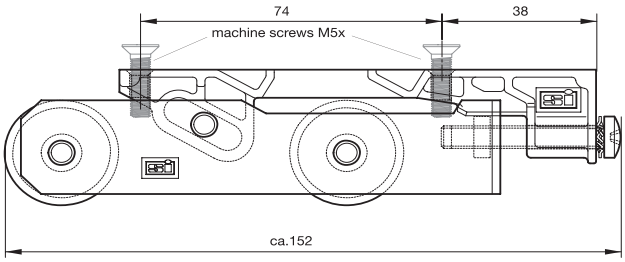
Overview installation CS-Portal - PVC for Standard locking



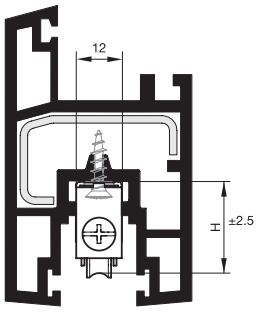
Section of rollers for 80 kg/150 kg

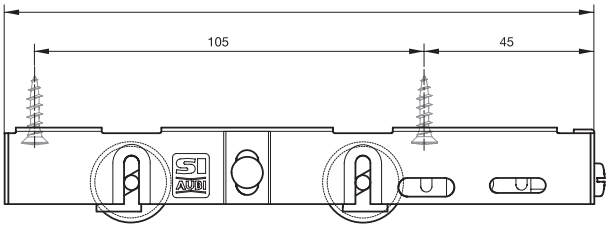
Roller 80 kg





Roller 150 kg





We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Individual items for Standard sliding window fittting

For sash rebate high 440–1,010 mm		For 1 door	Cat.No.
4	Drive gear, short (Backset: 9 mm)	1 pc	940.98.020
8	Striker	1 pc.	940.98.030

For sash rebate high 1,011–1,810 mm		For 1 door	Cat.No.
5	Drive gear, long (Backset: 9 mm)	1 pc.	911.48.050
8	Striker	2 pcs.	940.98.030

Demand for sash rebate height 1,811–2,300 mm		For 1 door	Cat.No.
5	Drive gear, long (Backset: 9 mm)	1 pc.	911.48.050
7	Top extension	1 pc.	940.98.050
6	Bottom extension	1 pc.	940.98.051
8	Striker	4 pcs.	940.98.030

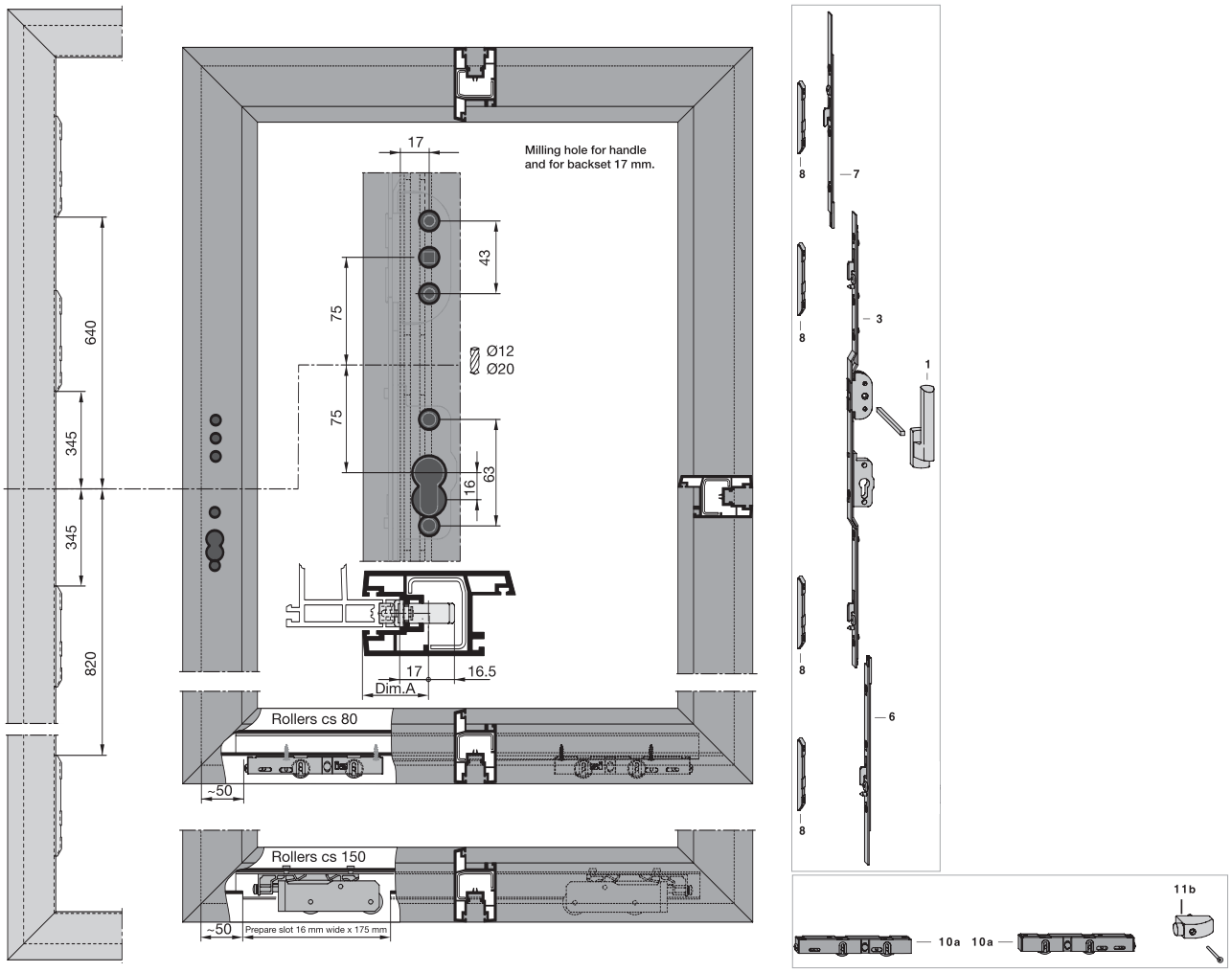
Roller for Standard and PZ-17 sliding window fitting		For 1 door	Cat.No.
10a	Roller 80 kg	1 set	940.98.012
10b	Roller 150 kg	1 set	941.53.012

Stop for Standard and PZ-17 sliding window fitting		For 1 door	Cat.No.
11a	Stop white	1 pc.	940.98.047
11b	Stop brown	1 pc.	940.98.041

Window handle for Standard and PZ-17 sliding window fitting		For 1 door	Cat.No.
1	Silver	1 pc.	974.33.005
2	White	1 pc.	974.30.447

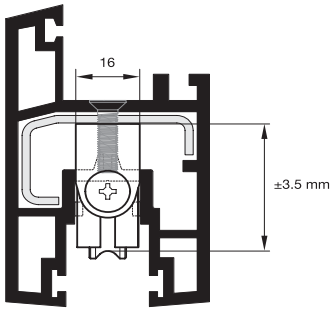
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Overview installation CS-Portal - PVC for profile cylinder

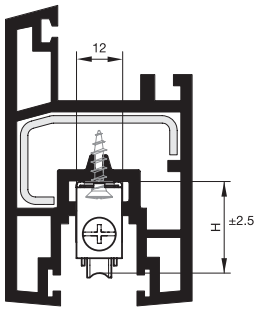


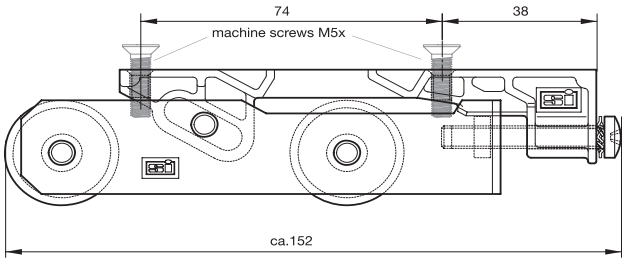
Section of rollers for 80 kg/150 kg

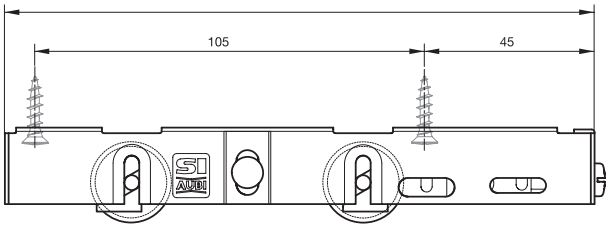
Roller 80 kg



Roller 150 kg







We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Individual items for PZ-17 sliding window fitting

Demand for sash rebate height 1,000–1,800 mm		For 1 door	Cat.No.
3	Drive gear, long, mortise lock (Backset: 17 mm)	1 pc.	911.48.051
8	Striker	2 pcs.	940.98.030

Demand for sash rebate height 1,801–2,300 mm		For 1 door	Cat.No.
3	Drive gear, long, mortise lock (Backset: 17 mm)	1 pc.	911.48.051
7	Top extension	1 pc.	940.98.050
6	Bottom extension	1 pc.	940.98.051
8	Striker	4 pcs.	940.98.030

Accessories for Standard and PZ17 sliding window fitting

Roller for Standard and PZ17 sliding window fitting		For 1 door	Cat.No.
10a	Rollers 80 kg	1 pc.	940.98.012
10b	Rollers 150 kg	1 pc	941.53.012

Stop for Standard and PZ17 sliding window fitting		For 1 door	Cat.No.
11a	Stop white	1 pc.	940.98.047
11b	Stop brown	1 pc.	940.98.041

Window handle for Standard and PZ17 sliding window fitting		For 1 door	Cat.No.
1	Silver	1 pc.	974.33.005
2	White	1 pc.	974.30.447

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

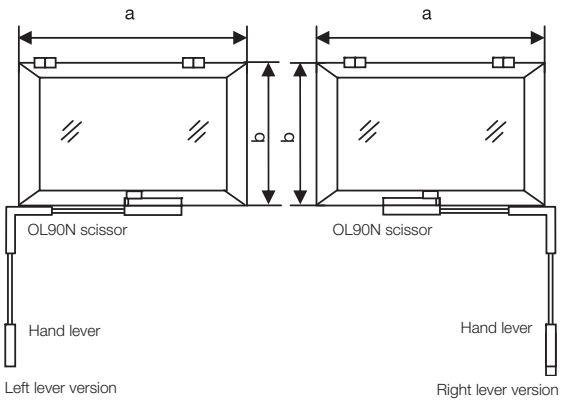
Fanlight opener OL90N GEZE



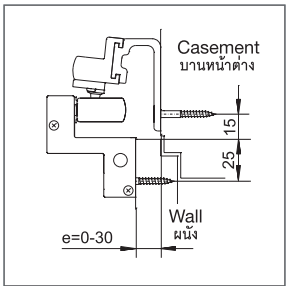
Features

- Maximum length between the bottom of hand lever and the bottom of the window: 3,000 mm
- Full opening width: 170 mm
- Casement width a: 600–2,400 mm
- Minimum of casement height b: 370 mm
- Maximum of casement weight: 80 kg
- Suitable for soffit depth e: 0–60 mm
- Manual operation

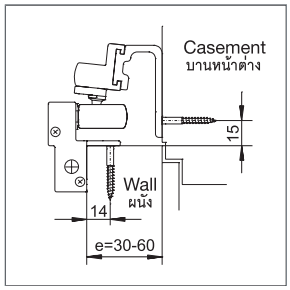
Component location







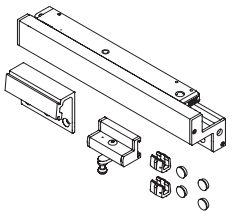
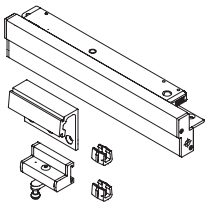
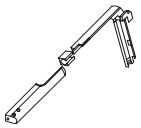
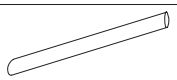
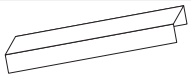
sofit depth e = 0-30 mm



sofit depth e = 30-60 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Casment width a mm	Soffit depth e mm	Installation type	Cat.No
600–1,200	0–30	Left level	975.01.052
		Right level	975.01.053
	30–60	Left level	975.01.062
		Right level	975.01.063
1,201–2,400	0–30	Left level	975.01.054
		Right level	975.01.055
	30–60	Left level	975.01.064
		Right level	975.01.065

Supplied with:						Cat.No.
Casment width a mm		600–1,200		1,201–2,400		
Soffit depth e mm		0–30	30–60	0–30	30–60	
OL90N scissors, left level		1 pc.	–	2 pcs.	–	975.01.050
OL90N scissors, right level						975.01.051
OL90N scissors, left level		–	1 pc.	–	2 pcs.	975.01.060
OL90N scissors, right level						975.01.061
Rod guide		4 pcs.				975.01.074
Hand lever with corner transmission		1 pc				975.01.040
Rod Ø8 mm, 6,000 mm		1 pc.				975.01.860
Cover profile, 6,000 mm		1 pc.				975.01.960

Order reference

Catalogue numbers refer to 1 piece. Please indicate the quantities when ordering individual parts.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

9 Furniture Fittings











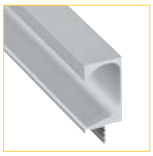






Furniture handles and knobs





Flush handle 9.4

Handle profile 9.6

Concealed hinges





Concealed hinge Blum Clip Top Blumotion 9.7

Concealed hinge DUOMATIC 9.8

Door catch 9.13

Hinges and flap fittings





Glass door hinge 9.16

Duo 3667 Complete set 9.17

Maxi 3675 Complete set 9.19

Free flap 9.21

Locks and catches





Rim lock 9.23

Glass door lock 9.24

Plate-cylinder removable core 9.26

Spring catch 9.28

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Drawer runners

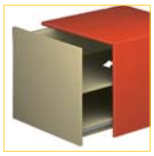




Single extension 9.29

Single and full extension 9.31

Sliding door fittings





Sliding door fitting Classic 30 IF AA 9.32

Sliding door fitting Classic 30 L/U 9.34

Sliding door fitting Classic 40 IF AA 9.36

Sliding door fitting Classic 50 VF AB 9.38

Home improvement fittings





Sliding ladder 9.40

Plasma Mini lift 9.42

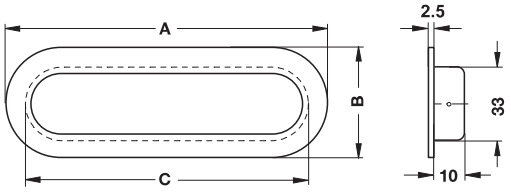
Electronic TV lift 9.43

TV Wall support brackets 9.44

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Flush handle



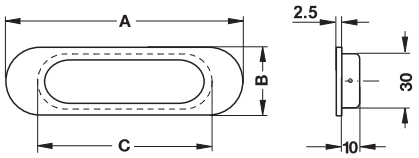


• Stainless steel matt (304)

Dim. A mm	Dim. B mm	Dim. C mm	Cat. No.
102	50	90	152.51.052

Packing: 1 or 10 pcs. incl. fixing material



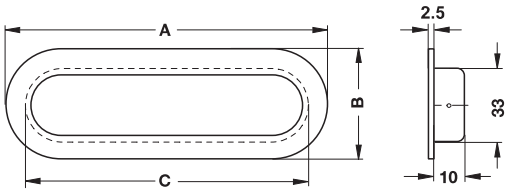


• Stainless steel matt (304)

Dim. A mm	Dim. B mm	Dim. C mm	Cat. No.
130	37	95	152.51.051

Packing: 1 or 10 pcs. incl. fixing material



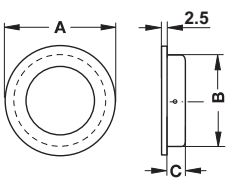


• Stainless steel matt (304)

Dim. A mm	Dim. B mm	Dim. C mm	Cat. No.
175	60	154	152.51.053

Packing: 1 or 10 pcs. incl. fixing material





• Stainless steel matt (304)

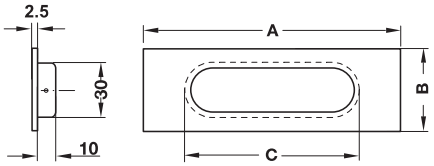
Dim. A mm	Dim. B mm	Dim. C mm	Cat. No.
50	40	12	151.38.051
60	50		151.38.052
80	62	14	151.38.053

Packing: 1 or 10 pcs. incl. fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Flush handle

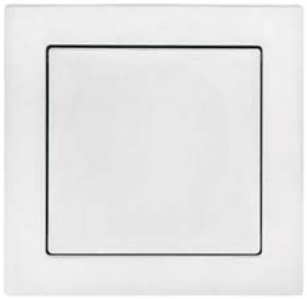


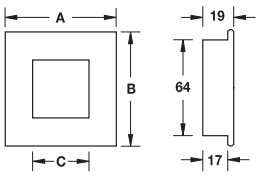


• Stainless steel matt (304)

Dim. A mm	Dim. B mm	Dim. C mm	Cat. No.
140	45	95	152.52.051

Packing: 1 or 10 pcs. incl. fixing material

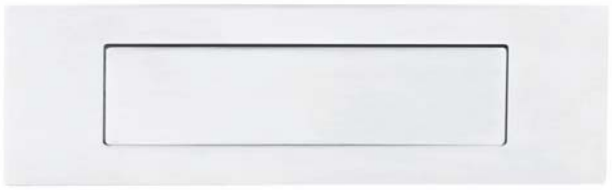


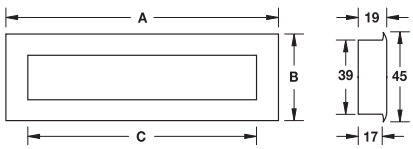


• Stainless steel matt (304)

Dim. A mm	Dim. B mm	Dim. C mm	Cat. No.
69	69	32	902.01.110

Packing: 1 pc.

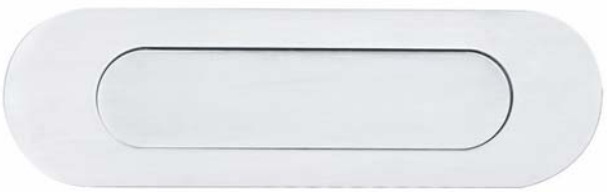


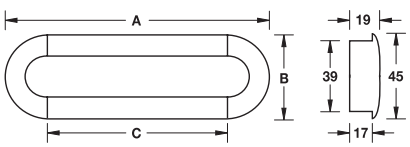


• Stainless steel matt (304)

Dim. A mm	Dim. B mm	Dim. C mm	Cat. No.
155	45	128	902.01.100

Packing: 1 pc.





• Stainless steel matt (304)

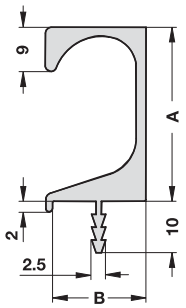
Dim. A mm	Dim. B mm	Dim. C mm	Cat. No.
155	45	128	902.01.120

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

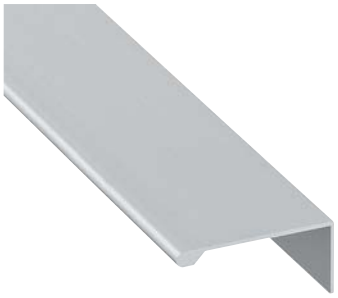
Handle profile

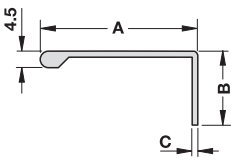




• Aluminium silver coloured anodized E6/EV1

Dim. A mm	Dim. B mm	Length mm	Cat. No.
35 mm	19.5 mm	2,500 mm	126.27.904



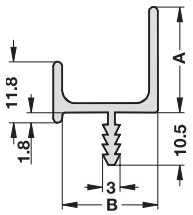


• Aluminium silver coloured anodized E6/EV1

Dim. A mm	Dim. B mm	Dim. C mm	Length mm	Cat. No.
43	20	1.6	2,500	126.14.901
63	40	2.2	3,000	126.19.900

Packing: 1 pc.



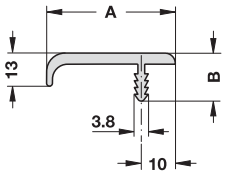


• Aluminium silver coloured anodized E6/EV1

Dim. A mm	Dim. B mm	Length mm	Cat. No.
21	19.5	2,500	126.21.902
30			126.22.909

Packing: 1 pc.





• Silver coloured anodized E6/EV1

Dim. A mm	Dim. B mm	Length mm	Cat. No.
34.5	8.5	2,500	126.15.900

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Blum Clip Top Blumotion, opening angle 110°

BLUMOTION inside



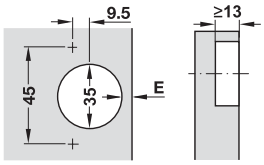
- Material: Steel cup and arm
- Finish: Nickel plated
- Cup fixing: Screw fixing
- Installation: Door onto carcase without tools (Clip system)
- Adjustment: 3 dimensional (with appropriate mounting plate)
- Drilling depth: Hinge cup 13 mm
- With integrated Blumotion damping
- Damping deactivatable
- With closure automatic

Version	Cat. No.
Full overlay mounting	342.42.600
Half overlay mounting	342.42.601
Inset mounting	342.42.602

Packing: 1 pc.

Soft close mechanism integrated in the cup
Soft close mechanism deactivable

Drilling dimensions



Blum Cover cap

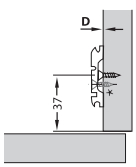


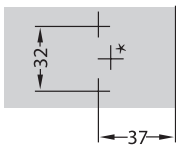
Suitable for	Material/finish	Cat. No.
Full overlay mounting	Steel nickel plated	342.94.651
Half overlay and inset (right version)		342.94.652
Half overlay and inset (left version)		342.94.653

Packing: 1 pc.

Blum CLIP top Cruciform mounting plates







- Height adjustment: ±3 mm
- Installation: With chipboard screws

Distance D mm	Material/finish	Cat. No.
0	Steel nickel plated	342.21.910

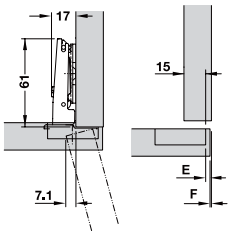
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

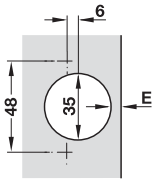
DUOMATIC Premium, opening angle 105°



Cup dimensions



Drilling dimensions



Full overlay mounting

- Material: Steel cup and hinge arm
- Finish: Nickel plated
- Cup fixing: Screw fixing
- Installation: Sliding on door at carcase with Duomatic A mounting plate
- Drilling depth: Hinge cup 12 mm
- Adjustment: Lateral adjustment continuously from -1.5 to +4.0, height adjustment from -2 to +2 mm, depth adjustment with Duomatic A mounting plates +2.5 mm
- Door thickness: 15–22 mm
- With self closing spring
- With integrated soft closing function



Half overlay mounting/twin mounting

Cup fixing	Cat. No.
Screw fixing	329.92.700

Packing: 1 pc.



Inset mounting

Cup fixing	Cat. No.
Screw fixing	329.92.702

Packing: 1 pc.



Cup fixing	Cat. No.
Screw fixing	329.92.703

Packing: 1 pc.

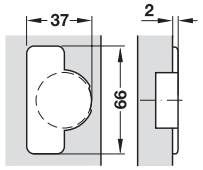
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

DUOMATIC Concealed hinge for door thicknesses up to 32 mm, opening angle 110°

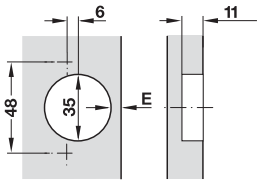


- Material: Steel cup and hinge arm
- Finish: Nickel plated
- Cup fixing: Screw fixing
- Installation: Sliding on door at carcase with Duomatic A mounting plates or quick mounting with Duomatic SM mounting plates
- Adjustment: Lateral adjustment continuously from -1.5 to +4.5, height adjustment from -2 to +2 mm, depth adjustment with Duomatic A mounting plates +2.8 mm, with Duomatic SM mounting plates from -0.5 to +2.8 mm
- Drilling depth: Hinge cup 11 mm
- With automatic closing spring

Cup dimensions



Drilling dimensions for cup fixing, screw fixing



Full overlay mounting



Cup fixing	Cat. No.
Screw fixing	329.17.600

Packing: 1 pc.

Half overlay mounting/twin mounting



Cup fixing	Cat. No.
Screw fixing	329.17.602

Packing: 1 pc.

Inset mounting



Cup fixing	Cat. No.
Screw fixing	329.17.603

Packing: 1 pc.

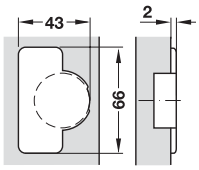
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

DUOMATIC Concealed hinge for door thicknesses up to 40 mm, opening angle 94°

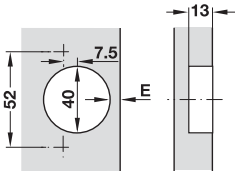


- Material: Steel cup, zinc alloy hinge arm
- Finish: Nickel plated
- Fixing door to carcase: Sliding on with DUOMATIC A mounting plates or quick fixing with DUOMATIC SM mounting plates
- Adjustment facility: Lateral adjustment continuously from –0.5 mm to +5.5 mm, height adjustment from –2 mm to +2 mm, depth adjustment with Duomatic A mounting plates +2.8 mm, with Duomatic SM quick fixing mounting plates from –0.5 mm to +2.8 mm
- Drilling depth: Hinge cup 13 mm
- With automatic closing spring

Cup dimensions



Drilling dimensions for cup fixing, screw fixing



Full overlay mounting



Cup fixing	Cat. No.
Screw fixing	329.05.605

Packing: 1 pc.

Half overlay mounting/twin mounting



Cup fixing	Cat. No.
Screw fixing	329.05.614

Packing: 1 pc.

Inset mounting



Cup fixing	Cat. No.
Screw fixing	329.05.632

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

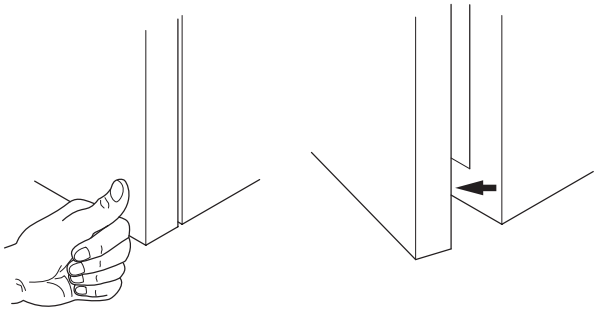
DUOMATIC PUSH Concealed hinge for opening without handle, opening angle 110°



- Area of application: Mechanical opening aid for furniture doors and for holding the doors in closed position, suitable for wooden doors without handles
- Function: The spring force of the hinges opens the door by tapping on it, the locking parts that are screwed to or mounted in a drilled hole in the inner side of the door keep the closed door in position

Push door opening system consists of:
- Push concealed hinge
- Mounting plate
- Push door catch
- Locking part for door catch

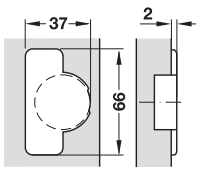
Function



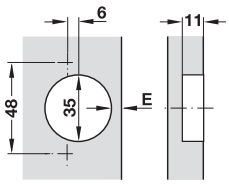


- Material: Zinc alloy hinge arm, steel cup
- Finish: Nickel plated
- Fixing door to carcase: Sliding on with DUOMATIC A mounting plates or quick fixing with DUOMATIC SM mounting plates
- Adjusting facility: Lateral adjustment continuously from -1.5 mm to +4.5 mm, height adjustment from -2 mm to +2 mm, depth adjustment with DUOMATIC A mounting plates +2.8 mm, with DUOMATIC SM mounting plates from –0.5 mm to +2.8 mm
- Drilling depth: Hinge cup 11 mm

Cup dimensions



Drilling dimensions for cup fixing, screw fixing



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Full overlay mounting



Cup fixing	Cat. No.
Screw fixing	329.17.900

Half overlay mounting/twin mounting



Cup fixing	Cat. No.
Screw fixing	329.17.902

Packing: 1 pc.

Inset mounting



Cup fixing	Cat. No.
Screw fixing	329.17.903

Packing: 1 pc.

PUSH Door catch

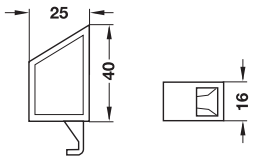
Screw fixing



With positioning aid



Without positioning aid



Supplied with

1 Push door catch
2 Side cover caps
Fixingscrews

Version	Cat. No.
With positioning aid	329.44.500
Without positioning aid	329.44.501

Packing: 1 or 50 pcs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door catch with housing for screw fixing

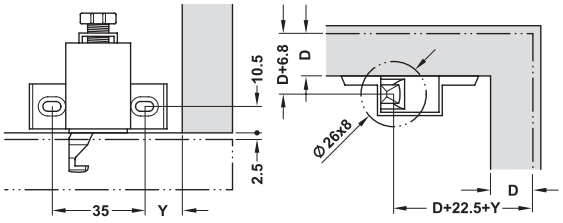
- Material: Plastic
- Coloure: Grey
- Mounting: Cabinet top or base panel
- Adjustment facillity: Depth adjustment: -1 to +2.5 mm via knurled adapter, side adjustment ±2 mm via slot in adaptor

Single door catch



Installation

D = door overlay, Y= min. 8.5 mm



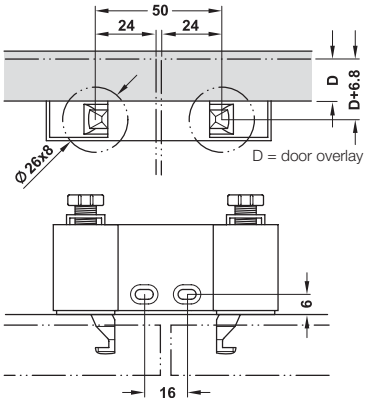
Colour	Cat. No.
Grey	329.44.571

Packing: 1 pc.

Double door catch



Installation



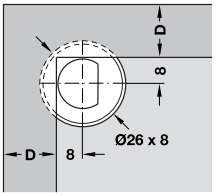
Colour	Cat. No.
Grey	329.44.591

Packing: 1 pc.

Locking part for door catch, press fitting for overlay doors



Installation



- Mounting: In drilled hole at the door

Colour	Cat. No.
Grey	329.44.532

Packing: 1 pc.

Locking part for door catch, screw fixing for inset doors

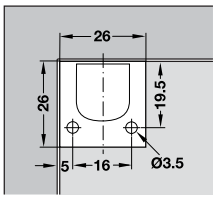


With positioning aid



Without positioning aid

Installation



- Mounting: Screw fixing at the door

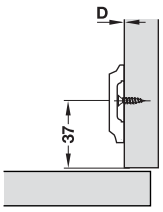
Version	Cat. No.
With positioning aid	329.44.530
Without positioning aid	329.44.531

Packing: 1 or 50 pcs.

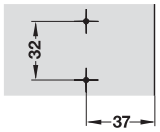
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

DUOMATIC A Cruciform mounting plate with slide on system





Drilling dimensions



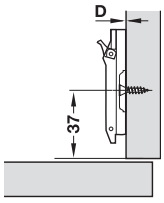
- Material: Steel
- Finish: Nickel plated
- Adjusting options: Height adjustment ±2 mm via slot
- Screw fixing with chipboard screws

Distance D mm	Cat. No.
0	329.80.528
2	329.80.546
3	329.80.555
4	329.80.564
6	329.80.582
9	329.80.590

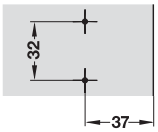
Packing: 1 pc.

DUOMATIC SM Cruciform mounting plate with quick fixing system





Drilling dimensions



- Material: Steel
- Finish: Nickel plated
- Adjusting options: Depth adjustment using eccentric
  Height adjustment ±2 mm via slot
- Screw fixing with chipboard screws

Distance D mm	Cat. No.
0	329.73.500
2	329.73.502
3	329.73.503
4	329.73.504
6	329.73.506

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

DUOMATIC Cup cover cap



- Area of application: Suitable for cups with drilling Ø35 mm
- Material: Stee

Finish	Cat. No.
Nickel plated	329.32.530

Packing: 1 or 50 pcs.

DUOMATIC Hinge arm cover caps



- Material: Steel
- Finish: Nickel plated

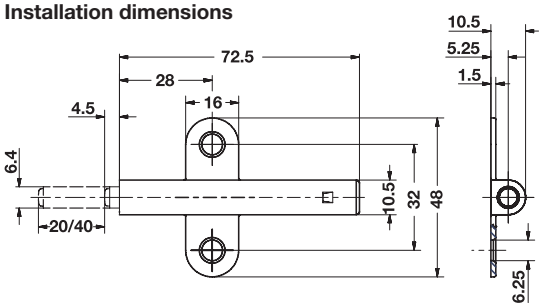
For concealed hinges	Cat. No.
Opening angle 105°, 94°, 110°	329.32.500

Packing: 50 pcs.

Push latch pin with magnet



Installation dimensions



- Area of application: Suitable for push to open door
- Material: Plastic
- Installation: Fixing with screw

Version	Cat. No.
Push latch pin for hinge	356.02.511
Push latch pin for drawer	356.02.512

Packing: 1 pc.

Counter piece for screw fixing



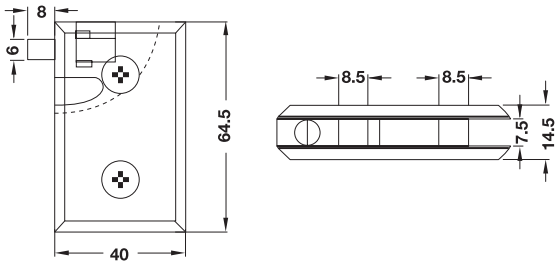
Material	Finish	Cat. No.
Steel	Galvanized	246.03.790

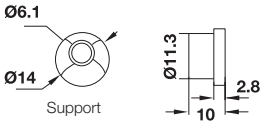
Packing: 1 or 50 pcs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass door hinge







Area of application: For inset glass doors
Glass door height: Max 1,200 mm
Glass door width: Max 400 mm
For door weight: Max 10 kg
Material: Zinc alloy, steel, PVC
Glass thickness: 6-10 mm

Supplied with

1 Hinge (for top)
1 Hinge (for bottom)
2 Supports

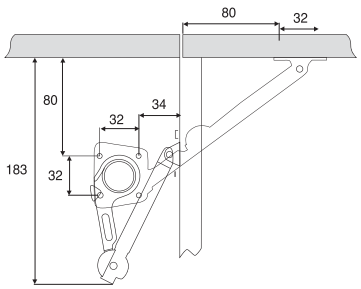
Finish	Cat. No.
Nickel plated satin	361.42.670

Packing: 1 set

Lid stay

smuso





- Opening angle: 90°
- Material: Zinc alloy
- Finish: Nickel plated
- Version: 1-arm, with joint
- Installation: Screw fixing, plug in fixing to angular bracket (quick fixing system)

Installation	Cat. No.
Left	373.79.701
Right	373.79.700

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

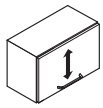
Duo 3667 Complete set, for flaps made of wood or with aluminium frame, with adjustable spring force

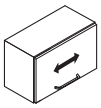

Use as lid stay, wooden flap

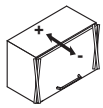

Use as lid stay, flap with aluminium frame


Use as flap stay, wooden flap

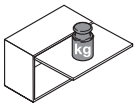
Adjustment facility


Height adjustment ±2 mm


Side adjustment +3/-1 mm



Tilt adjustment ±1.5

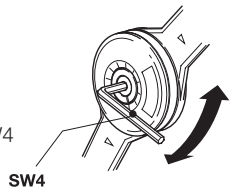


Pull adjustment

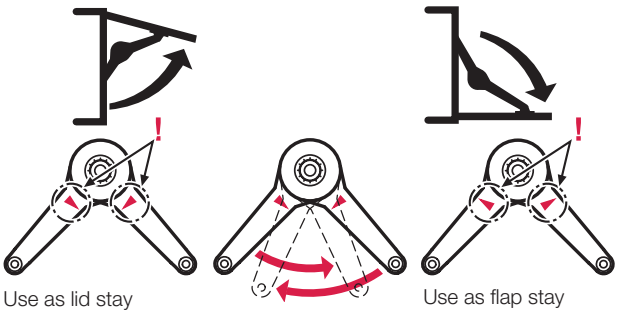
- Area of application: Also suitable for use as flap stay
- Opening angle: 75°, 90° or 110°
- Material: Zinc alloy stay, steel mounting bracket
- Finish: Nickel plated
- Version: With self closing function
- Mounting: For left and right hand use
- Installation: Without tools (clip system)
- Distance from edge: 28 mm or 37 mm (optional)
- Lock function: Flap locks in any position,
- Braking function: Flap locks in end position, release by slight pressure
- For aluminium frame width 20 mm or from 45 mm

Function

Setting the braking effect to locking and braking by adjusting the screw with a SW4 hexagon socket:



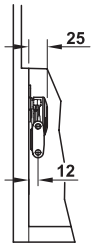
Duo 3667/Duo forte 3666 are usable as flap stay. If using as flap stay 2 arms will be necessary.



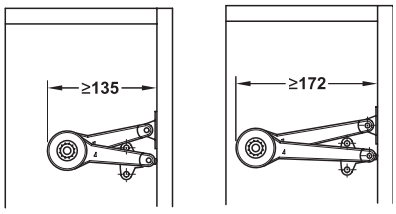
Use as lid stay

Use as flap stay

Installation width



Installation depth

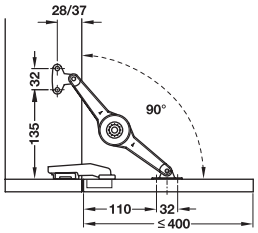


We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

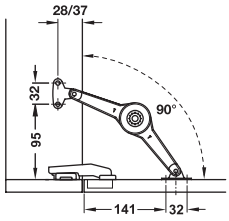
Duo 3667 Complete set



Installation Duo 3667 as flap stay

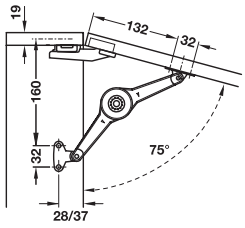


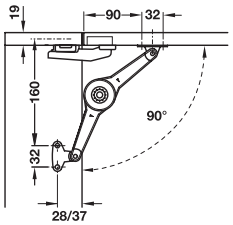
Installation without magnet

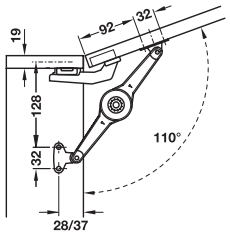


Installation with magnet

Installation Duo 3667 as lid stay







Sample measurement table for max. flap/lid weight

Flap height mm	Max. flap weight kg			
	Lock function		Braking function	
	1 Stay	2 Stay	1 Stay	2 Stay
For opening angle 75°				
200	9.0	15.0	11.5	15.0
250	7.0	15.0	9.0	15.0
300	6.0	12.0	7.5	15.0
350	5.0	10.0	6.5	13.0
400	4.5	9.0	6.0	11.5
450	4.0	8.0	5.0	10.0
500	3.5	7.0	4.5	9.0
For opening angle 90°				
200	7.5	15.0	9.5	15.0
250	6.0	12.0	7.5	15.0
300	5.0	10.0	6.0	13.0
350	4.0	8.5	5.5	11.0
400	3.5	7.0	5.0	10.0
450	3.5	6.5	4.0	8.5
500	3.0	6.0	4.0	8.0
For opening angle 110°				
200	6.0	12.0	8.0	15.0
250	5.0	9.5	6.0	12.0
300	4.0	8.0	5.0	10.0
350	3.0	7.0	4.0	9.0
400	3.0	6.0	4.0	7.5
450	2.5	5.0	3.5	7.0
500	2.0	5.0	3.0	6.0

Supplied with
1 Lid stay
1 Mounting bracket
1 Screw-on bracket
1 Set of installation instructions

Area of application	Edge distance mm	Cat. No.
For wooden flaps or flaps with aluminium frame, frame width 45 mm	28	373.66.611
	37	373.66.612
For flaps with aluminium frame, frame width 20 mm	28	373.66.621
	37	373.66.622

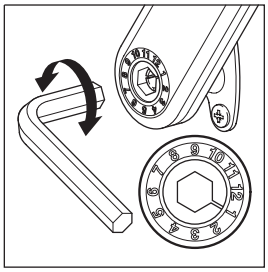
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Maxi 3675 Complete set, for flaps made of wood or with aluminium frame



Adjusting the braking effect



Order reference

The weight specification applies to one Maxi fitting.

Order two Maxi fittings for flap widths from 600 mm and above.

- Opening angle: 75°, 90° or 110°
- Material: Zinc alloy stay, steel mounting bracket and screw-on bracket, plastic cover cap for adjusting screw
- Finish: Nickel plated, white or black
  Model A: Grey, Model B: Beige, Model C: White, Model D: Black
- Version: With power assisted opening
- Mounting: Suitable for left hand and right hand use
- Installation: Without tools (clip system) onto pre-mounted mounting bracket
- Distance from edge: 28 or 37 mm (optional)

Supplied with

1 Mounting bracket for cabinet, edge distance 28 or 37 mm
1 Mounting bracket for wooden flap (wide aluminium frame) or for 20 mm aluminium frame
1 Set of installation instructions

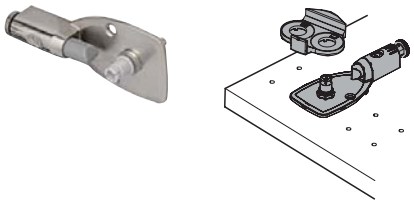
Model	Nickel plated	White	Black
For wooden flaps and flaps with aluminium frame, from frame width 45 mm			
A	373.69.512	373.69.742	373.69.342
B	373.69.412	373.69.744	373.69.344
C	373.69.712	373.69.746	373.69.346
D	373.69.312	373.69.748	373.69.348
For flaps with aluminium frame, frame width 20 mm			
A	373.69.502	373.69.732	373.69.332
B	373.69.402	373.69.734	373.69.334
C	373.69.702	373.69.736	373.69.336
D	373.69.302	373.69.738	373.69.338

Packing: 1 or 10 pcs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Accessories for Maxi 3675

Soft-closing mechanism



- Area of application: For edge distance 28 and 37 mm
- Material: Zinc alloy
- Adjustable damping distance

Finish	Cat. No.
Nickel plated	373.69.799

Packing: 1 or 10 pcs.

Note

When using soft close mechanism the mounting bracket for cabinet is not required.

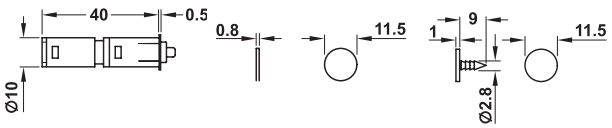
Push Magnetic door catch



Standard version
With eject pin



Heavy duty version
Without eject pin
For doors over height of 1,600 mm or heavy doors with more than 3 push hinges



- Version: With magnet for holding in closed position, with eject pin for releasing the magnet or without eject pin
- Material: Plastic
- Colour: Black/beige or orange/beige
- Mounting: For mounting in drilled hole in cabinet top or base panel or for installation with cruciform mounting plate

Installation	Standard	Heavy duty
Counterplate for knocking in	356.06.401	356.06.441
Counterplate for glue fixing	356.06.402	356.06.442

Packing: 1 or 50 pcs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Free flap 1.7, for small 1-piece flaps made of wood or with aluminium frame

smuso



- Material: Steel fitting, plastic cover cap
- Finish: Fitting nickel plated
- For flap height: 250– 400 mm
- Opening angle: 107° (can be limited to 90° by optional opening angle restraint)
- Adjustment facility:Holding power
- Installation: Fitting for screw fixing with pre-mounted Euro screws, front panel clip system (without tools) onto pre-mounted screw-on brackets

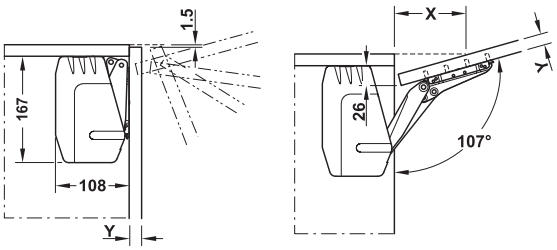
Supplied with

2 Stay flap fittings (left/right)
2 Cover caps for fitting (right/left)
2 Screw-on brackets for wooden flaps or flaps with aluminium frame, frame width up to 45 mm
1 Set of installation instructions
1 Drilling jig

Model	Grey cover caps	White cover caps
A	372.91.320	372.91.720
B	372.91.321	372.91.721
C	372.91.322	372.91.722

Packing: 1 set

Installation



Front panel thickness Y mm	16	19	22	26	28
Distance X mm (With top panel thickness 16 mm)	83	74	64	52	46

Cabinet height mm	Max. flap weight kg		
	Model A	Model B	Model C
250	1.3–3.8	2.9–6.4	5.4–11.8
275	1.2–3.3	2.5–5.7	4.8–10.6
300	1.1–3.1	2.4–5.1	4.4–9.6
325	1.0–2.8	2.1–4.6	4.0–8.8
350	0.9–2.6	2.0–4.2	3.7–8.1
375	0.9–2.3	1.9–3.8	3.5–7.5
400	0.8–2.1	1.7–3.6	3.2–7.0

Opening angle restraint



- Area of application: For opening angle of 107°– 90°

Material	Cat. No.
Plastic	372.91.499

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Free flap 3.15, for large 1-piece flaps made of wood or with aluminium frame

smuso

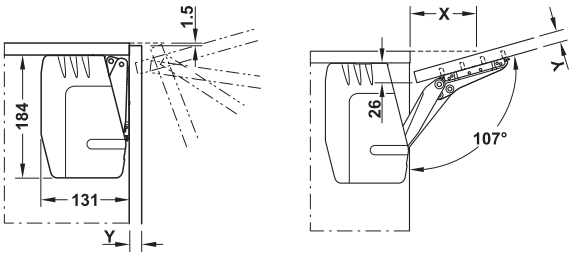


- Material: Steel fitting, plastic cover cap
- Finish: Fitting nickel plated
- For flap height: 400–600 mm
- Opening angle: 90° or 107° (adjustable for fitting)
- Adjustment facility:Holding power
- Installation: Fitting for screw fixing with pre-mounted Euro screws, front panel clip system (without tools) onto pre-mounted screw-on brackets

Supplied with

2 Stay flap fittings (left/right)
2 Cover caps for fitting (right/left)
2 Screw-on brackets for wooden flaps or flaps with aluminium frame, frame width up to 45 mm
1 Set of installation instructions
1 Drilling jig

Installation



Front panel thickness Y mm	16	19	22	26	28
Distance X mm (With top panel thickness 16 mm)	83	74	64	52	46

Cabinet height mm	Max. flap weight kg			
	Model D	Model E	Model F	Model G
400	4.7–9.6	5.9-12.4	8.9–18.6	11.8–23.3
425	4.4–9.0	5.6-11.6	8.3–17.4	11.0–21.8
450	4.1–8.4	5.2-10.9	7.8–16.3	10.4–20.5
475	3.9–8.0	4.9-10.3	7.4–15.4	9.8–19.3
500	3.7–7.5	4.7-9.7	7.0–14.6	9.2–18.3
525	3.5–7.1	4.4-9.2	6.6–13.9	8.8–17.3
550	3.3–6.8	4.2-8.8	6.3–13.2	8.3–16.5
575	3.2–6.5	4.0–8.4	6.0–12.5	8.0–15.6
600	3.0–6.2	3.8–8.0	5.7–12.0	7.6–15.0

Model	Grey cover caps	White cover caps
D	372.91.330	372.91.730
E	372.91.331	372.91.731
F	372.91.332	372.91.732
G	372.91.333	372.91.733

Packing: 1 set

Adapter for flaps with 20 mm aluminium frame



- Mounting: For left or right hand use
- Supplied with screws M4x10 mm

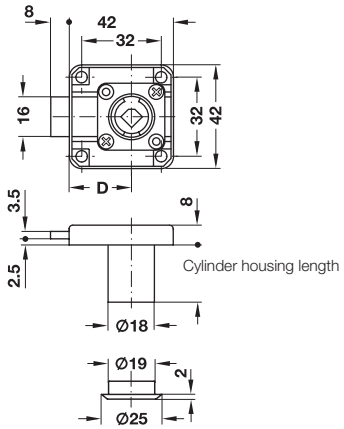
Material	Cat. No.
Zinc alloy	372.91.599

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Dead bolt rim lock

Backset D 25 mm, short bolt travel





- Area of application: For cylinder cores that are inserted from the front on site
- Material: Zinc alloy
- Finish: Nickel plated
- Installation: Screw fixing

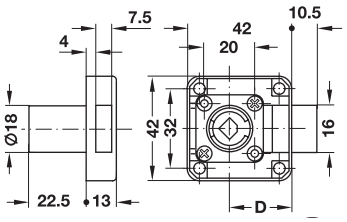
Locking direction	Cylinder housing length mm	Cat. No.
Left	22	232.26.611
Right		232.26.601
Left	26	232.26.651
Right		232.26.631
Drawer version	22	232.26.621
	32	232.26.681

Packing: 1 or 20 pcs.

Spring bolt rim lock

Backset D 25 mm





- Area of application: For cylinder cores that are inserted from the front on site
- Material: Zinc alloy
- Finish: Nickel plated
- Cylinder housing length: 22.5 mm
- Installation: Screw fixing

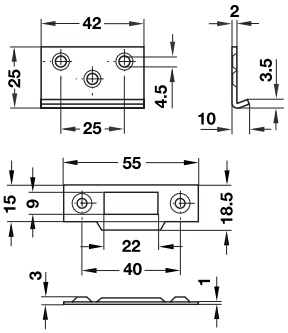
Locking direction	Cat. No.
Left	232.37.624
Right	232.37.623
Drawer version	232.37.625

Packing: 1 or 20 pcs.

Striking plates for spring bolt rim lock







- Material: Steel
- Finish: Nickel plated
- Installation: Screw fixing

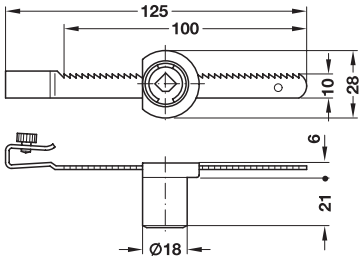
	Cat. No.
Angled striking plate	232.37.991
Striking plate	232.37.990

Packing: 1 or 100 pcs.

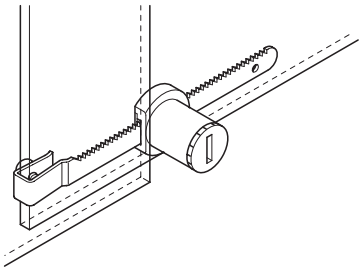
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glass door lock for sliding doors





Installation



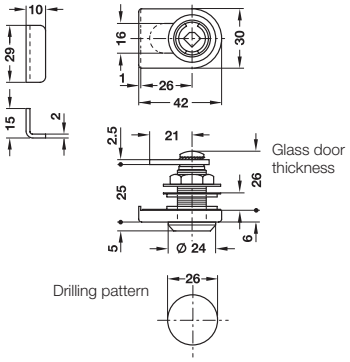
- Area of application: For cylinder cores which are inserted from the front on site
- Material: Zinc alloy housing, stainless steel rack
- For glass door thickness: 4–7 mm
- Insatallation: Rack to clip on, cylinder for sliding onto rack

Finish	Cat. No.
Housing nickel plated matt	233.44.600

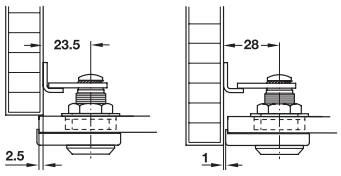
Packing: 1 or 20 pcs.

Glass door cam lock





Installation



Overlay mounting Inset mounting

- Area of application: For cylinder cores which are inserted from the front on site
- Material: Zinc alloy
- For glass door thickness: 4–10 mm
- Cam: Straight
- Closure direction: 180° (convertible)
- Insatallation: Screw fixing with hexagon nut

Supplied with

1 Glass door cam lock
1 Locking cam
1 Mounting nut
1 Angled striking plate
1 Clamping plate
1 Clamping rosette

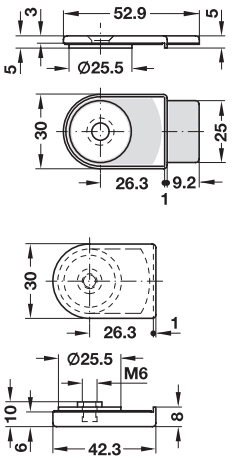
Finish	Locking direction	Cat. No.
Nickel plated polished	A (Left)	233.42.601
	B (Right)	233.42.611
Nickel plated matt	A (Left)	233.42.700
	B (Right)	233.42.710

Packing: 1 or 20 pcs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

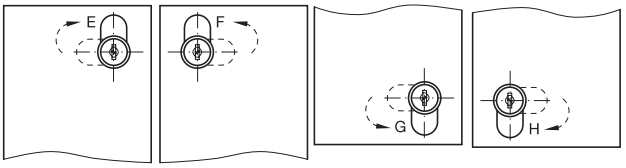
Counterpiece for glass door cam lock





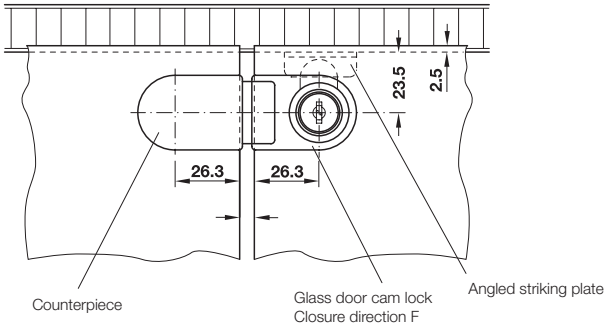
Application

Where glass double doors are used together with the counterpiece, the following closure directions of the glass door cam lock are required



Top left: Closure direction E
Top right: Closure direction F
Bottom left: Closure direction G
Bottom right: Closure direction H

Installation

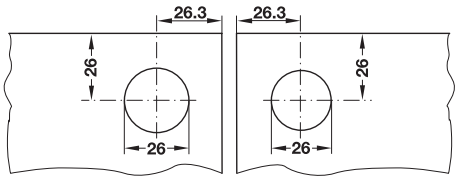


- Area of application: Counterpiece for Symo glass cam lock for double doors
- Material: Zinc alloy
- For door thickness: 4–10 mm

Supplied with

2 Clamping plates
1 Clamping piece
1 Threaded screw M 6 x 10 mm (for glass up to 8 mm thick)
1 Threaded screw M 6 x 12 mm (for glass up to 8–10 mm thick)

Drilling dimensions



Finish	Cat. No.
Nickel plated polished	233.40.712
Nickel plated matt	233.40.610

Packing: 1 or 20 pcs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

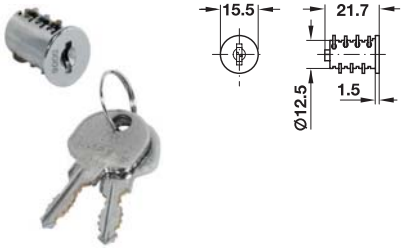
Plate-cylinder removable core

- Area of application: For all locks and rotary handles within the SYMO 3000 system
- Material: Zinc alloy housing, brass plate levers
- Finish: Nickel plated
- Locking direction: Left and right
- Locking system: With 6 plate levers
- Key changes: 2,600 different key changes are possible

Supplied accessories

1 Plate-cylinder
2 Keys

Plate-cylinder removable core with standard key



With different key changes, unsorted

Key changes	Suitable for master key	Cat. No.
SH 0001–0200	MK 1	210.41.611
SH 0201–0600	MK 2	210.41.612
SH 0601–2600	MK 3	210.41.613

Packing: 1 or 50 pcs.

Plate-cylinder removable core, with keys plastic cap black



With different key changes, unsorted

Key changes	Suitable for master key	Cat. No.
SH 0001–0200	MK 1	210.41.621
SH 0201–0600	MK 2	210.41.622
SH 0601–2600	MK 3	210.41.623

Packing: 1 or 50 pcs.

Plate-cylinder removable core, with folding key



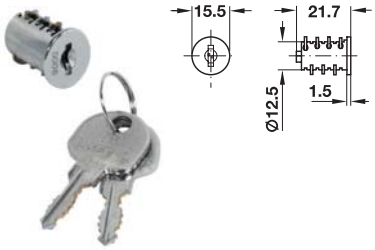
With different key changes, unsorted

Key changes	Suitable for master key	Cat. No.
SH 0001–0200	MK 1	210.41.631
SH 0201–0600	MK 2	210.41.632
SH 0601–2600	MK 3	210.41.633

Packing: 1 or 50 pcs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Plate-cylinder removable core with standard key



Key changes are fixed to Cat. No. and can't mixed therefore

- Cores can be only ordered as a set of 50 pieces
- Each package contains 50 different key changes out of the specified range
- Suitable master key (MK): MK 3 (Cat. No. 210.11.003)

With different key changes, sorted

Key changes	Cat. No.
SH 0601 – 0650	210.41.701
SH 0651 – 0700	210.41.702
SH 0701 – 0750	210.41.703
SH 0751 – 0800	210.41.704
SH 0801 – 0850	210.41.705
SH 0851 – 0900	210.41.706
SH 0901 – 0950	210.41.707
SH 0951 – 1000	210.41.708
SH 1001 – 1050	210.41.709
SH 1051 – 1100	210.41.710

Packing: 50 pcs.

Key changes	Cat. No.
SH 1101 – 1150	210.41.711
SH 1151 – 1200	210.41.712
SH 1201 – 1250	210.41.713
SH 1251 – 1300	210.41.714
SH 1301 – 1350	210.41.715
SH 1351 – 1400	210.41.716
SH 1401 – 1450	210.41.717
SH 1451 – 1500	210.41.718
SH 1501 – 1550	210.41.719
SH 1551 – 1600	210.41.720

Packing: 50 pcs.

Key changes	Cat. No.
SH 1601 – 1650	210.41.721
SH 1651 – 1700	210.41.722
SH 1701 – 1750	210.41.723
SH 1751 – 1800	210.41.724
SH 1801 – 1850	210.41.725
SH 1851 – 1900	210.41.726
SH 1901 – 1950	210.41.727
SH 1951 – 2000	210.41.728
SH 2001 – 2050	210.41.729
SH 2051 – 2100	210.41.730

Packing: 50 pcs.

Key changes	Cat. No.
SH 2101 – 2150	210.41.731
SH 2151 – 2200	210.41.732
SH 2201 – 2250	210.41.733
SH 2251 – 2300	210.41.734
SH 2301 – 2350	210.41.735
SH 2351 – 2400	210.41.736
SH 2401 – 2450	210.41.737
SH 2451 – 2500	210.41.738
SH 2501 – 2550	210.41.739
SH 2551 – 2600	210.41.740

Packing: 50 pcs.

Keyed alike

- Suitable master key (MK): MK 1 (Cat. No. 210.11.001)

Key changes	Cat. No.
SH 1	210.40.601
SH 2	210.40.602
SH 3	210.40.603
SH 4	210.40.604
SH 5	210.40.605
SH 6	210.40.606
SH 7	210.40.607
SH 8	210.40.608
SH 9	210.40.609
SH 10	210.40.610
SH 11	210.40.611
SH 12	210.40.612
SH 13	210.40.613
SH 14	210.40.614
SH 15	210.40.615
SH 16	210.40.616
SH 17	210.40.617
SH 18	210.40.618
SH 19	210.40.619
SH 20	210.40.620
SH 21	210.40.621
SH 22	210.40.622
SH 23	210.40.623
SH 24	210.40.624
SH 25	210.40.625

Packing: 1 or 20 pcs.

Key changes	Cat. No.
SH 26	210.40.626
SH 27	210.40.627
SH 28	210.40.628
SH 29	210.40.629
SH 30	210.40.630
SH 31	210.40.631
SH 32	210.40.632
SH 33	210.40.633
SH 34	210.40.634
SH 35	210.40.635
SH 36	210.40.636
SH 37	210.40.637
SH 38	210.40.638
SH 39	210.40.639
SH 40	210.40.640
SH 41	210.40.641
SH 42	210.40.642
SH 43	210.40.643
SH 44	210.40.644
SH 45	210.40.645
SH 46	210.40.646
SH 47	210.40.647
SH 48	210.40.648
SH 49	210.40.649
SH 50	210.40.650

Packing: 1 or 20 pcs.

Key changes	Cat. No.
SH 51	210.40.651
SH 52	210.40.652
SH 53	210.40.653
SH 54	210.40.654
SH 55	210.40.655
SH 56	210.40.656
SH 57	210.40.657
SH 58	210.40.658
SH 59	210.40.659
SH 60	210.40.660
SH 61	210.40.661
SH 62	210.40.662
SH 63	210.40.663
SH 64	210.40.664
SH 65	210.40.665
SH 66	210.40.666
SH 67	210.40.667
SH 68	210.40.668
SH 69	210.40.669
SH 70	210.40.670
SH 71	210.40.671
SH 72	210.40.672
SH 73	210.40.673
SH 74	210.40.674
SH 75	210.40.675

Packing: 1 or 20 pcs.

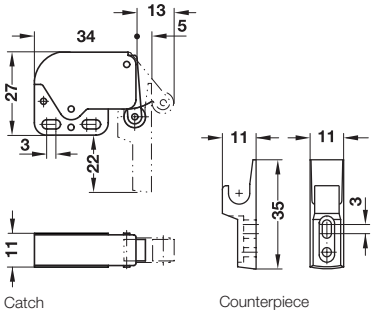
Key changes	Cat. No.
SH 76	210.40.676
SH 77	210.40.677
SH 78	210.40.678
SH 79	210.40.679
SH 80	210.40.680
SH 81	210.40.681
SH 82	210.40.682
SH 83	210.40.683
SH 84	210.40.684
SH 85	210.40.685
SH 86	210.40.686
SH 87	210.40.687
SH 88	210.40.688
SH 89	210.40.689
SH 90	210.40.690
SH 91	210.40.691
SH 92	210.40.692
SH 93	210.40.693
SH 94	210.40.694
SH 95	210.40.695
SH 96	210.40.696
SH 97	210.40.697
SH 98	210.40.698
SH 99	210.40.699
SH 100	210.40.700

Packing: 1 or 20 pcs.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

MINI-LATCH Spring catch



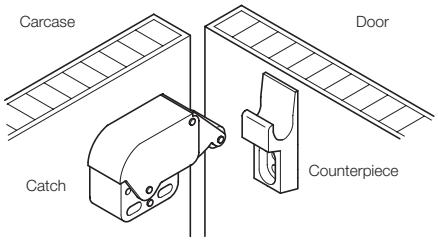


- Material: Steel catch, plastic counterpiece
- Installation: Screw fixing
- Adjusting facility: Slot

Finish	Cat. No.
Catch nickel plated, counterpiece white	245.54.701

Packing: 1, 50 or 400 pcs.

Installation



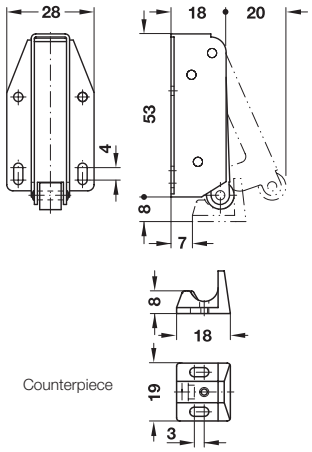
Counterpiece

Finish	Cat. No.
White	245.54.790
Black	245.54.390

Packing: 1, 50 or 400 pcs.

Quick spring catch



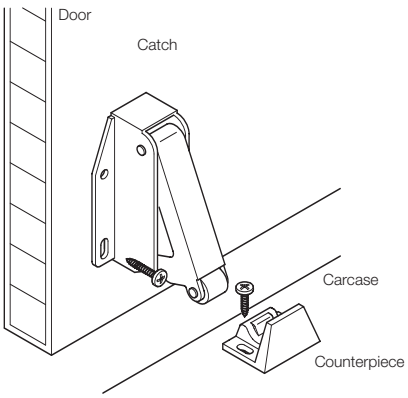


- Material: Steel catch, plastic counterpiece
- Installation: Screw fixing
- Adjusting facility: Slot

Finish	Cat. No.
Bright galvanized	245.55.913
Brass plated	245.55.502
Burnished	245.55.100

Packing: 1, 50 or 200 pcs.

Installation



Counterpiece

Colour	Cat. No.
White	245.55.790

Packing: 1 pc.

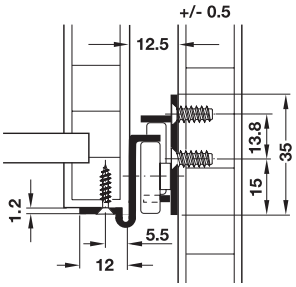
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Single extension, load bearing capacity up to 25 kg



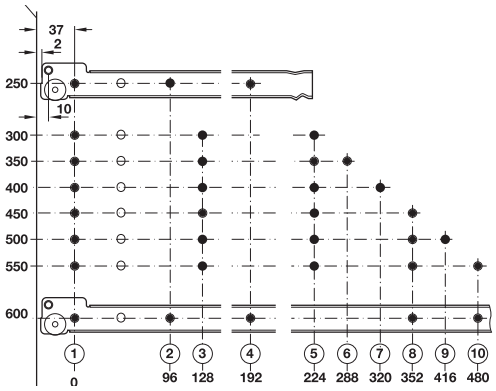
- Material: Steel
- Guided by: 4 friction bearing mounted nylon rollers with washer and ridge
- Thickness: 1.2 mm
- Type of closing: Self closing
- Installation: For screw fixing to side panel, at drawer base mounted

Installation



Drilling pattern

Cabinet front edge



Installation length L mm	Extension length AL mm	Extension loss AV mm	Black, RAL 9017 RAL 9017	Brown, RAL 8017 RAL 8017	Cream, RAL 9001 RAL 9001	White, RAL 9010 RAL 9010
250	168	87	423.36.250	423.37.125	423.37.425	423.37.725
300	213		423.36.300	423.37.130	423.37.430	423.37.730
350	263		423.36.350	423.37.135	423.37.435	423.37.735
400	313	97	423.36.400	423.37.140	423.37.440	423.37.740
450	363		423.36.450	423.37.145	423.37.445	423.37.745
500	413		423.36.500	423.37.150	423.37.450	423.37.750
550	433	117	423.36.550	423.37.155	423.37.455	423.37.755
600	483		423.36.600	423.37.160	423.37.460	423.37.760

Packing: 1 or 20 pairs

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Single extension Tip on opening function, load bearing capacity up to 30 kg



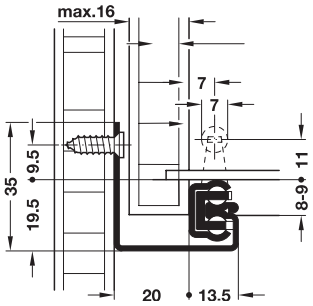
Tip on opening function

- Material: Steel
- Finish: Galvanized
- Version: Tip on opening mechanism for opening by scide pressure on to front panel
- Installation: At drawer, concealed mounted
- Assembly and removal with snap-in coupling
- Adjusting facilities: Height + 2.5 mm of snap-in coupling

Drawer length mm	Installation length L mm	Extension length AL mm	Cat. No.
290	300	211	421.22.830
340	350	261	421.22.835
390	400	311	421.22.840
440	450	361	421.22.845
490	500	381	421.22.850

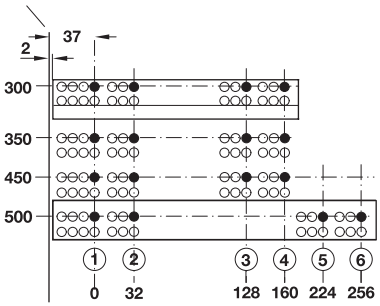
Packing: 1 or 20 pair

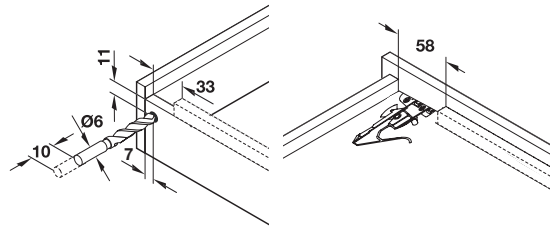
Installation



Drilling pattern

Cabinet front edge

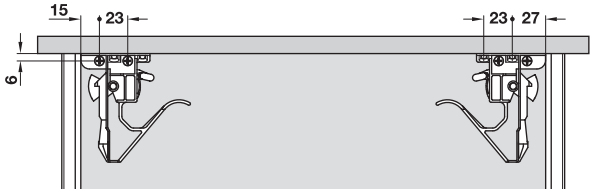




Runner

Snap-in coupling

Application and planning dimension



Snap-in coupling for push runner



	Cat. No.
Snap-in coupling	421.22.000

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Single and full extension, load bearing capacity up to 30 kg

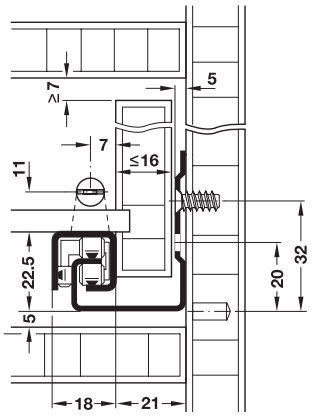


- Material: Steel
- Finish: Galvanized
- Version: With soft close mechanism, single or full extension
- Installation: At drawer, concealed mounted
- Side panel thickness: 13–16 mm
- Assembly and removal with snap-in coupling

Drawer length mm	Installation length L mm	Extension length AL mm	Cat. No.
Single extension, load bearing capacity 25 kg			
300	318	232	433.06.430
350	368	282	433.06.435
400	418	303	433.06.440
450	468	353	433.06.445
500	518	381	433.06.450
550	568	431	433.06.455
Full extension, load bearing capacity 30 kg			
300	318	288	433.10.430
350	368	338	433.10.435
400	418	388	433.10.440
450	468	438	433.10.445
500	518	488	433.10.450
550	568	538	433.10.455

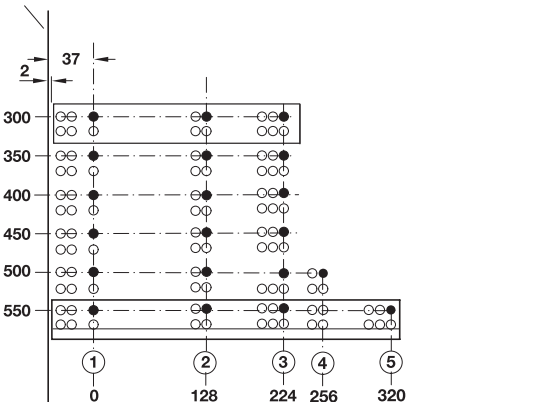
Packing: 1 pair

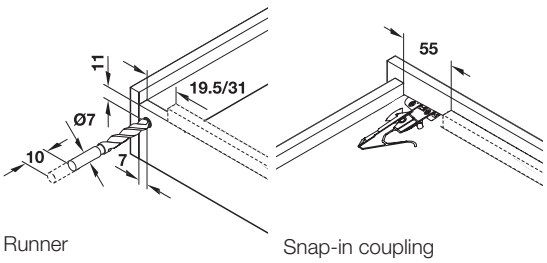
Installation



Drilling pattern

Cabinet front edge





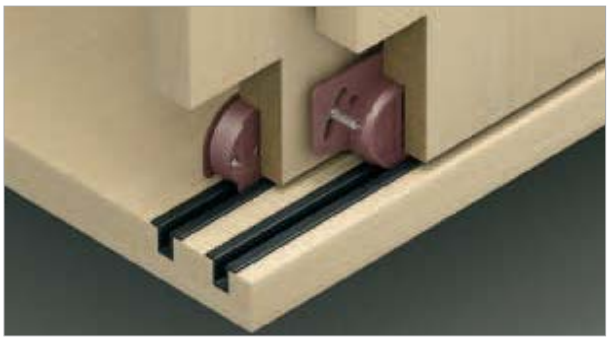
Runner

Snap-in coupling

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 30 IF AA SLIDO



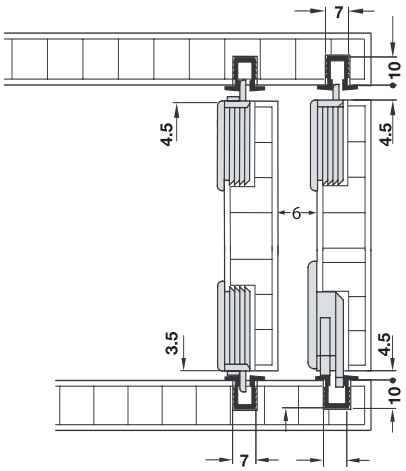


- Area of application: For 2-leaf silding doors
- Material: Plastic
- Colour: Brown, bolt black, rollers white
- Door thickness: Min. 16 mm
- Door weight: Max. 15 or 30 kg
- Version: Bottom roller with height adjustment
- Installation: Press fitting and screw fixing

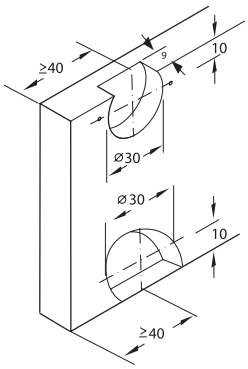
Order reference

Please order Smuso Soft close mechanism (405.11.219, 405.11.218) separately.

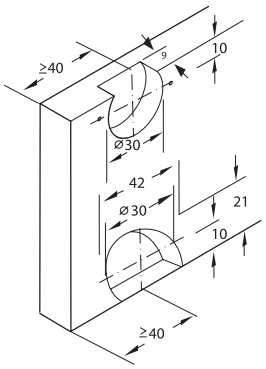
Installation dimensions



Drilling pattern



Bottom roller



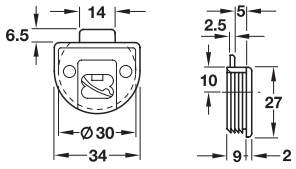
Bottom roller with height adjustment

Set consisting of:	For 2-leaf
Guide with spring loaded bolt and Bottom roller	404.22.107
Guide with spring loaded bolt and Bottom roller with height adjustment	404.22.152
Guide with lockable bolt and Bottom roller	404.22.108
Guide with lockable bolt and Bottom roller with height adjustment	404.22.153

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Guide with spring loaded bolt



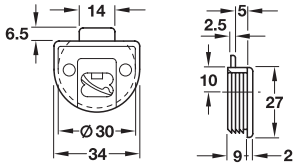


	Cat. No.
Guide with spring loaded bolt	404.21.154

Packing: 1 or 500 pcs.

Guide with lockable bolt



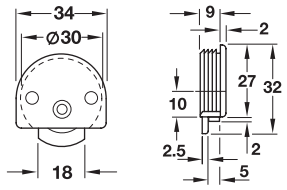


	Cat. No.
Guide with lockable bolt	404.21.109

Packing: 1 or 500 pcs.

Bottom roller



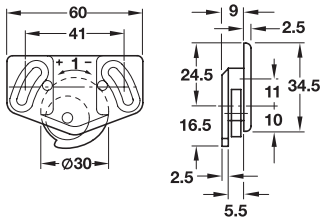


	Cat. No.
Bottom roller	404.22.106

Packing: 1 or 500 pcs.

Bottom roller with height adjustment



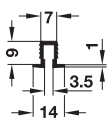


Height adjustment mm	Cat. No.
±1	404.22.151

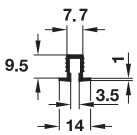
Packing: 1 or 500 pcs.

Running and guide track





Plastic



Aluminium

Length mm	Material	Weight kg	Colour	Cat. No.
3,000	Plastic	15	Brown	404.14.133
			White	404.14.713
			Black	404.14.313
	Aluminium	30	Anodized	404.16.903

Packing: 1 pc.

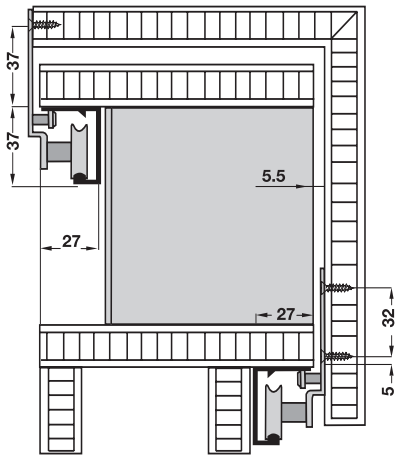
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 30 L/U SLIDO

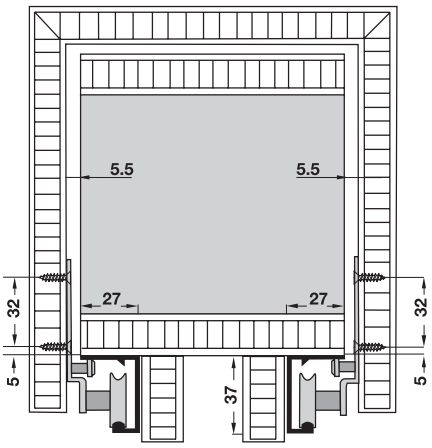


- Max. door weight: 30 kg
- Version: For wooden door
- Material: Steel running gears and guides
- Running gear: Top or bottom running, 2 rollers, plastic coated roller
- Door stop: Stopper
- Installation: Running gear and guide for screw fixing

Installation dimensions

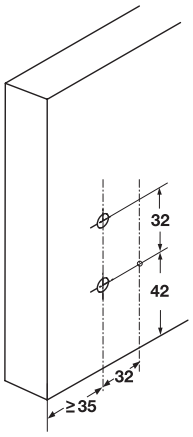


L-Shape door

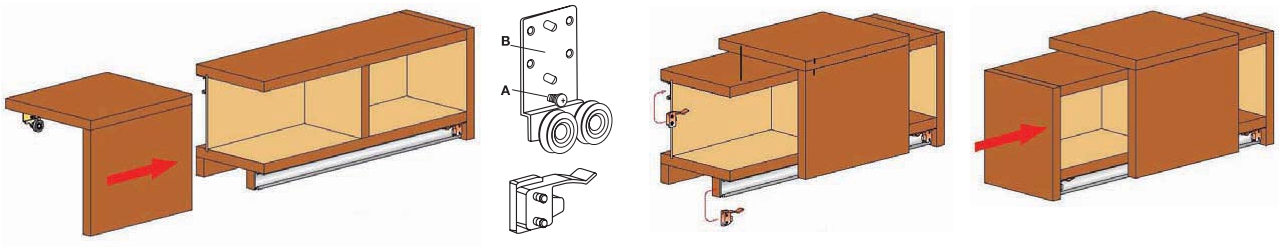


U-Shape door

Drilling pattern



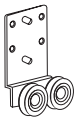
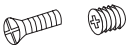
Assembly



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set	Cat. No.
Complete fitting set for 1 door without running track	403.34.000

Packing: 1 set

Set consisting of:		Material	Finish	For 2-leaf
Running gear with double roller		Steel	Plastic coated grey	4 pcs.
Top door stop		Plastic	Grey	4 pcs.
Fixing screws		Steel	Galvanized	8 pcs.

Order reference

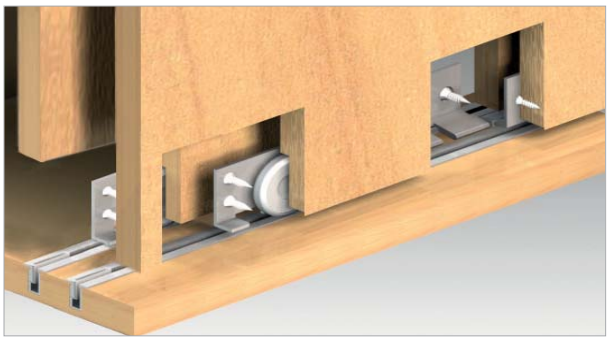
Please order running track separately.

Running track		Material	Finish	Length mm	Cat. No.
Running track		Aluminium	Anodized	3,000	406.81.930

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 40 IF AA SLIDO



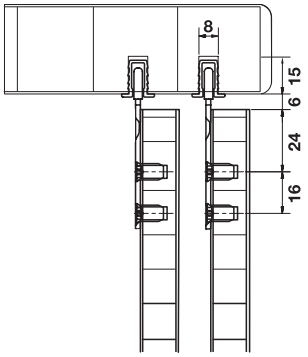


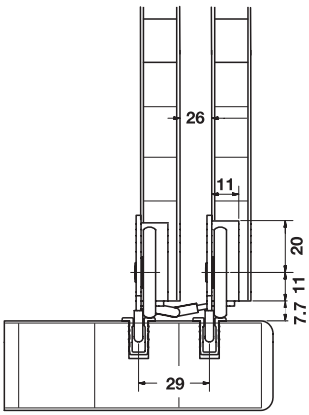
- Area of application: For 2- or 3-leaf sliding doors
- Door thickness: Max. 18 mm
- Door weight: Max. 40 mm
- Door height: Max. 2,100 mm
- Door width: Max. 1,300 mm
- Running gear with ball bearing, white nylon
- Installation: Guide and running gear for screw fixing

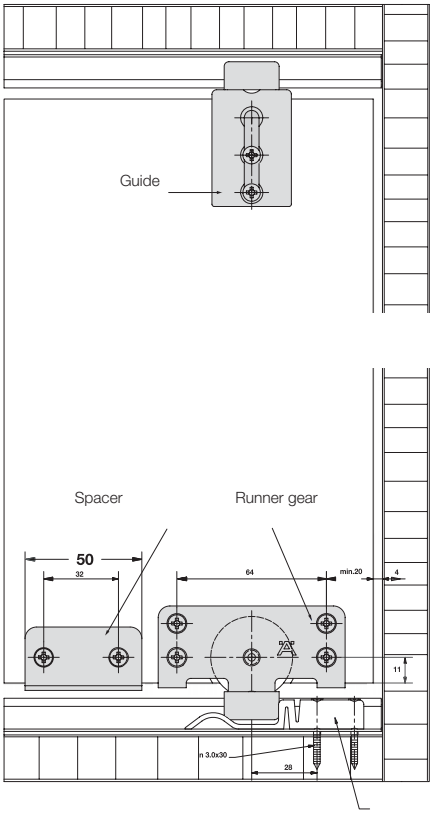
Order reference

Please order Smuso Soft close mechanism (405.11.217, 405.11.216) separately.

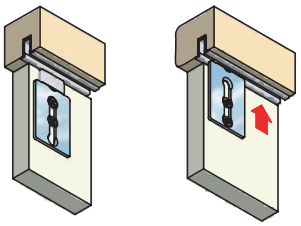
Installation dimensions







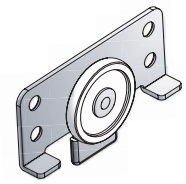
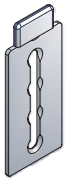
Assembly



We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Set	Cat.No.
Complete fitting set for 2 doors without running track	404.24.101

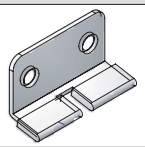
Packing: 1 set

Set consisting of:		Material	Finish	For 2-leaf	Cat. No.
Running part with ball bearing		Nylon	Galvanized	4 pcs.	404.24.100
End stop		Plastic	Grey	2 pcs.	404.24.320
Guiding part with long hole Ø6, 3x48 mm		Steel	Galvanized	4 pcs.	404.24.330

Order reference

Please order running track and additional components separately.

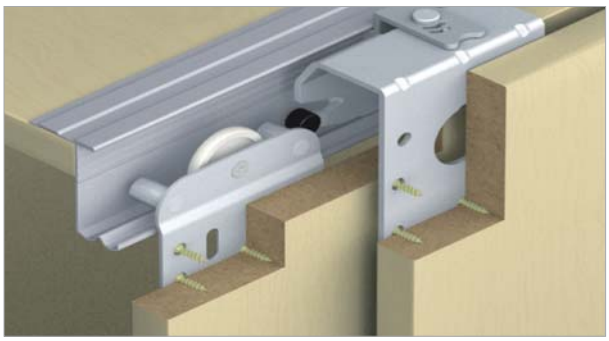
Running track		Material	Finish	Length mm	Cat. No.
Running and guide track 3,000 mm.		Aluminium	Anodized	3,000	404.16.913

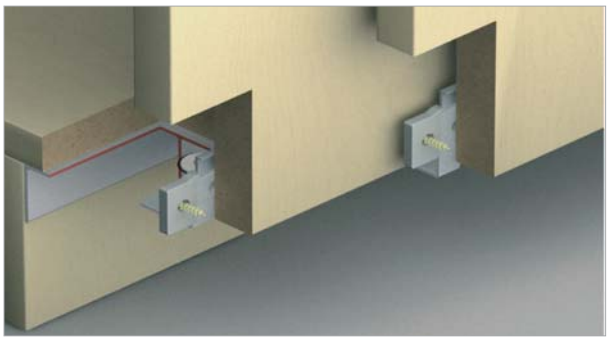
Additional components		Material	Finish	Cat. No.
Distance piece		Steel	Galvanized	404.24.310
Center stopper for 3 doors		Plastic	Grey	404.24.300

Packing: 1 pc

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door fitting Classic 50 VF AB SLIDO





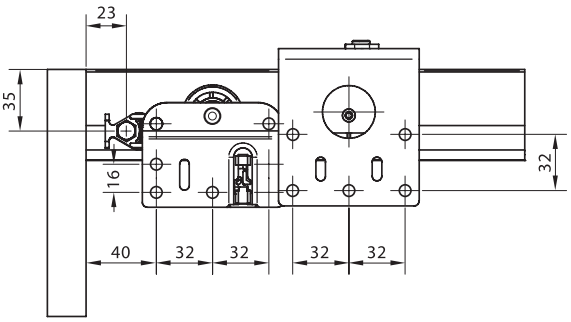
- Door thickness: 22–28 mm
- Max. door weight: 50 kg
- Material: Steel running gear and guide, aluminium double top running track and guide track
- Runing gear: Plastic roller with ball bearing
- Installation: Runing gear, tracks and guide for screw fixing
- With anti-derailment device (detachable)

For smooth sliding door, easy and quick to install with clip for guide.

Order reference

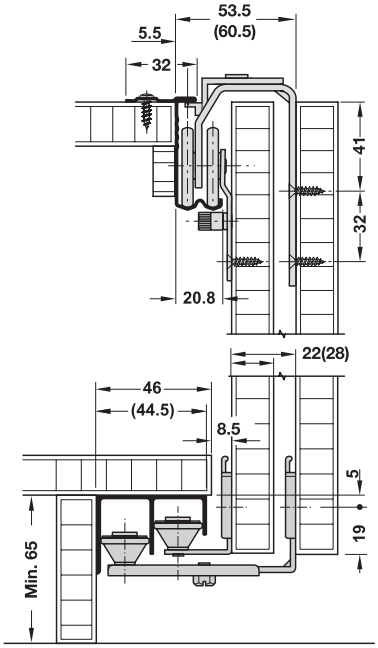
Please order Smuso Soft close mechanism (405.11.161, 405.11.160) separately.

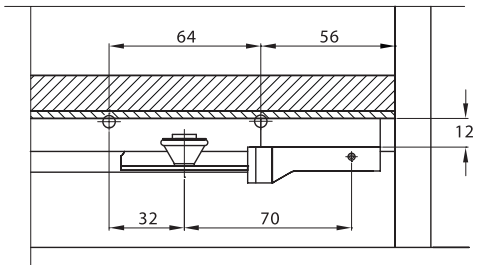
Application



Drilling dimensions for runnig gear and track stopper for rear and front doo

Installation dimensions





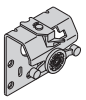
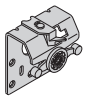
Drilling dimensions for guide and guide stopper for front door

Drilling dimensions for guide and guide stopper for rear door

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

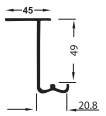
Set	Cat. No.
Complete fitting set for 2 doors without running track, max. door thickness 22 mm	400.51.120
Complete fitting set for 2 doors without running track, max. door thickness 28 mm	400.51.121
Complete fitting set for 3 doors without running track, max. door thickness 22 mm	400.51.122
Complete fitting set for 3 doors without running track, max. door thickness 28 mm	400.51.123

Packing: 1 set

Set consisting of:		Material	Finish	For 2-leaf	For 3-leaf	Cat. No.
Running part with ball bearing and Hafele stamp, for distance 48 mm, for door thickness up to 22mm		Steel	Galvanized	2 pcs.	2 pcs.	400.56.115
Running part with ball bearing and Hafele stamp, for distance 55 mm, for door thickness up to 28mm		Steel	Galvanized	2 pcs.	2 pcs.	400.56.114
Running part for inner door		Steel	Galvanized	1 pc.	2 pcs.	400.56.118
Running part with pins with Häfele stamp		Steel	Galvanized	1 pc.	2 pcs.	400.56.119
End stop with installation material		Plastic	Grey	1 pc.	1 pc.	400.58.002
Guiding part for inner door		Aluminium	Anthracite	2 pcs.	4 pcs.	400.57.121
Guiding part adjustable with Hafele stamp		Steel	Galvanized	2 pcs.	2 pcs.	400.57.122
Clip for guide		Plastic	Grey	4 pcs.	6 pcs.	400.58.060
End stop		Plastic	Grey	2 pcs.	2 pcs.	400.58.011
Support block		Plastic	Grey	2 pcs.	2 pcs.	400.96.060
Central stop		Plastic	Grey	–	1 pc.	400.96.053

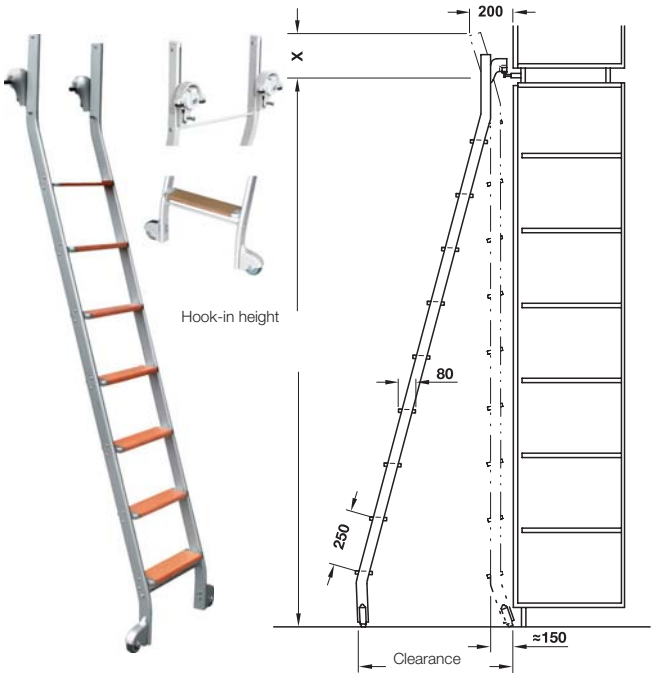
Order reference

Please order guide and running track separately.

Tracks and individual components		Material	Finish	Length mm	Cat. No.
Running track		Aluminium	Anodized	2,500	400.52.026
				3,500	400.52.036
Guide track		Aluminium	Anodized	2,500	400.52.952
				3,500	400.52.953

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding ladder



- Area of application: For warehouse, workshop, hospital and labora tory areas
- Material: Aluminium frame, multiplex birch steps
- Finish: Frame powder coated white aluminium, RAL 9006, steps natural lacquered
- Width: 400 mm, with hook-in heights 3,000–3,250 mm: 450 mm
- Version: With top and bottom guide using plastic mounted rollers
- Installation: For hooking onto running tube with rollers

Note

The ladder can be propped vertically against the shelf without the need of unhooking due to the automatically sliding-in top roller fitting. The bottom castors brake automatically under load.
The sliding ladder is protected against unintentional unhooking.

Dimension x (extension over top edge of running tube)
In retracted position = 230 mm
In withdrawn position = 80 mm

Hook-in height = dimension floor to centre of tube holder + 22 mm

Hook-in height mm	Approx. clearance mm	Number of steps	Weight kg	Cat. No
2,000–2,240	540–600	7	18	819.12.281
2,250–2,490	600–660	8	20	819.12.282
2,500–2,740	660–720	9	22	819.12.283
2,750–2,990	720–770	10	24	819.12.284
3,000–3,250	770–830	11	26	819.12.285

Order reference

Please specify the exact hook-in height as wll as the catalogue number when ordering on request available:

- Hook-in ladder with plastic coated frame in other RAL colours
- Steps with non-slip, ribbed rubber coating available against extra charge (greyblack)
- Multiplex beech steps
- Solid wood steps – type of wood as required
- Glass steps
- Handrail (on one side/on both sides)
- Other hook-in heights

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Accessories for hook-in ladder and sliding ladder

Hook-in tube



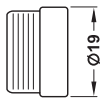


- Material: Stainless steel
- Finish: Matt brushed

Dim. A mm	Cat. No.
2,000	819.15.022
3,000	819.15.033

Cover cap



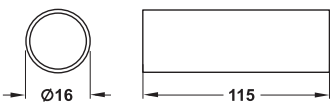


- Installation: For inserting into running tube

Material/finish	Cat. No
Plastic black	819.15.374
Stainless steel matt brushed	819.15.074

Connection piece



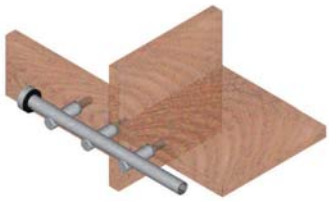


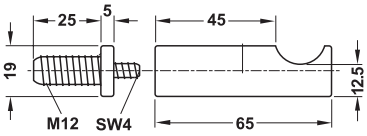
- Installation: For inserting into running tube

Material/finish	Cat. No.
Solid beech	819.15.067

Tube holder







- Installation: For mounting in drilled hole 11mm
- Fixing material supplied

Note

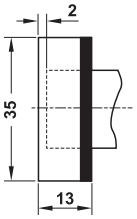
Tube holder suitable for panel thickness of at least 19 mm

Mount tube holders at approx. 800 mm intervals.

Material/finish	Cat. No.
Stainless steel matt brushed	819.15.080

Stopper





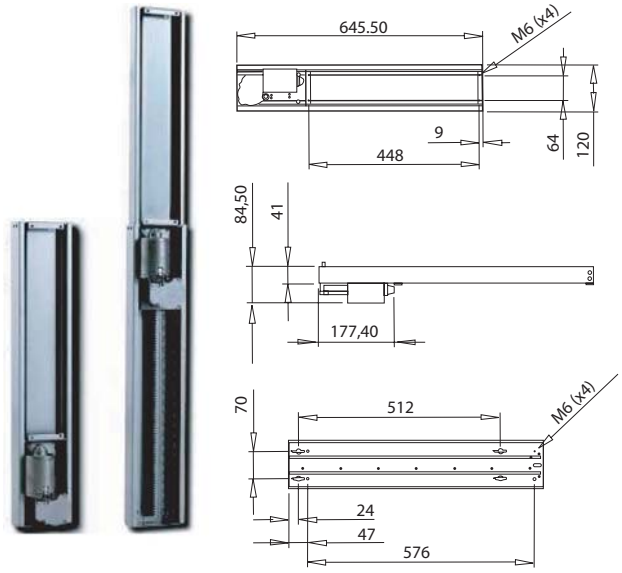
- Version: With grub screw for fixing
- Installation: For attaching to hook-in tube
- Fixing material supplied

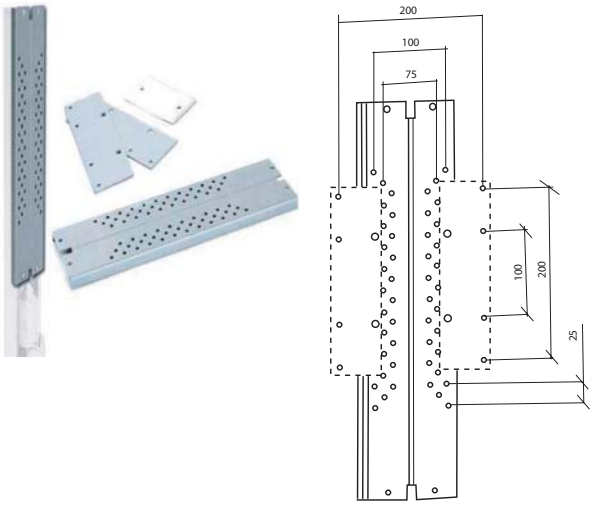
Material/finish	Cat. No.
Stainless steel matt brushed	819.15.050

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

Plasma mini lift







- Area of application: Used in cabinets raising and lowering flat screen televetions, Max. 30"
- Material: Steel
- Finish: Silver RAL 9006
- Mounting method: Suitable for the below VESA standards 50 x 50, 75 x 75, 100 x 100, 200 x 100
- Height of mechanism: 645 mm (closed) to 1,105 mm (open)
- Stroke: 460 mm
- Speed: 25 mm/sec
- Installation depth: 70 mm
- Supplied with: Radio frequency remote control

Load bearing capacity kg	Cat. No.
50	421.68.421

Packing: 1 set

Order reference

Please order mounting bracket for VESA 200 x 200 mm separately.

Mini lift mounting bracket for VESA 200 x 200 mm

	Cat. No.
Mini-Lift mounting bracket	421.68.431

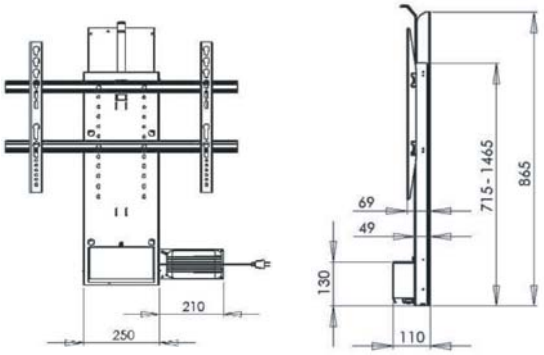
Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Electronic TV lift up to 42”







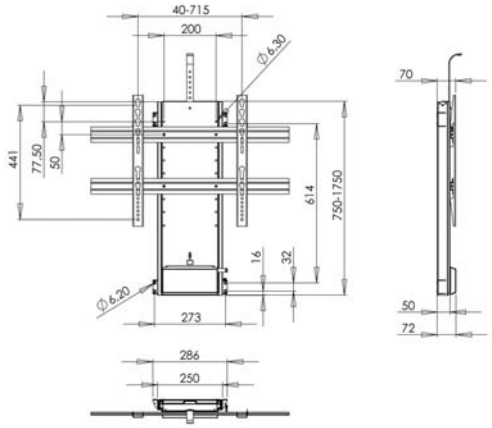
- Area of application: Used in cabinets for raising and lowering flat screen television
- Material: Steel
- Finish: Black
- Mounting method: Suitable for below VESA standard 400 x 100, 400 x 400, 600 x 200, 600 x 400
- Height of mechanism: 715 mm (closed) to 1465 mm (open)
- Stroke: 750 mm
- Weight capacity: 100 kg
- Speed: 28 mm/sec

Load bearing capacity kg	Cat. No.
100	421.68.420

Packing: 1 set

Electronic TV lift up to 55”





- Area of application: Used in cabinets for raising and lowering flat screen television
- Material: Steel
- Finish: Black
- Mounting method: Suitable for below VESA standard 600 x 400, 600 x 200, 600 x 100, 400 x 400, 400 x 200, 400 x 100, 300 x 300, 200 x 200, 200 x 100
- Min./Max. height (lid lifter excluded) 750/1750 mm
- Installation depth: 70 mm
- Stroke: 1,000 mm

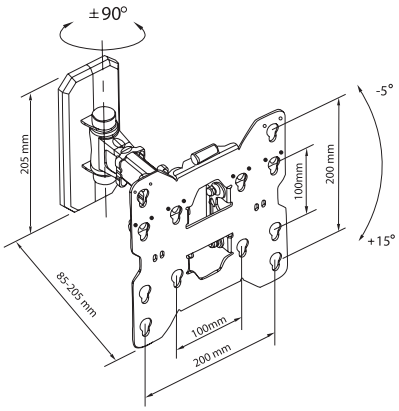
Load bearing capacity kg	Cat. No.
100	421.68.423

Packing: 1 set

We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

TV Wall support brackets, tilt and swivel version



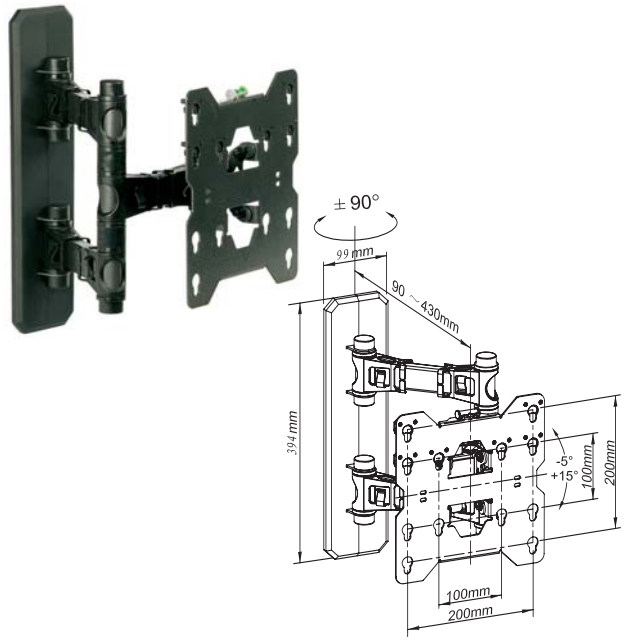


- Area of application: Wall mount fixing for LCD/TFT/LED
- Material: Steel powder coated
- Finish: Black lines
- Installation: Screw fixing into wall
- Suitable for TV sizes: 26–42"
- According to VESA: 100 x 100, 200 x 100, 200 x 200 mm
- Features: Safety lock, lock release, shock absorbing

Load bearing capacity kg	Cat. No.
35	817.24.920

Packing: 1 set





- Area of application: Wall mount fixing for LCD/TFT/LED
- Material: Steel powder coated
- Finish: Black lines
- Installation: Screw fixing into wall
- Suitable for TV sizes: 26–42"
- According to VESA: 100 x 100, 200 x 100, 200 x 200 mm
- Features: Safety lock, lock release, lhock absorbing

Load bearing capacity kg	Cat. No.
35	817.24.930

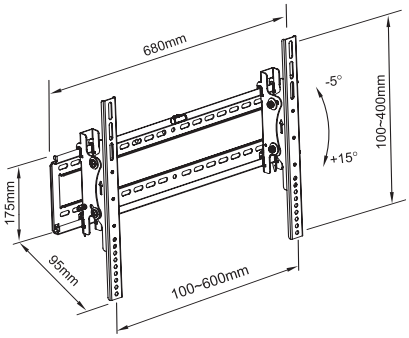
Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

TV Wall support brackets, tilt and slide version





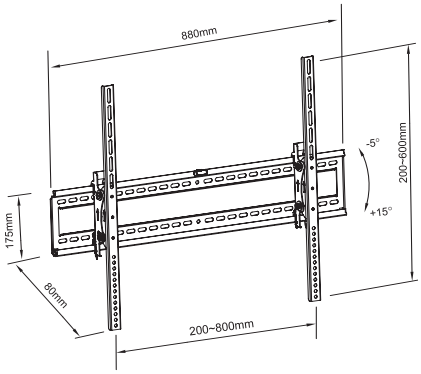


- Area of application: Wall mount fixing for LCD/PLASMA/LED
- Material: Steel powder coated
- Finish: Black lines
- Installation: Screw fixing into wall
- Suitable for TV sizes: 32-55"
- According to VESA: 100–600 x 100–400 mm
- Features: Safety lock, lock release, shock absorbing

Load bearing capacity kg	Cat. No.
75	817.24.940

Packing: 1 set





- Area of application: Wall mount fixing for LCD/PLASMA/LED
- Material: Steel powder coated
- Finish: Black Lines
- Installation: Screw fixing into wall
- Suitable for TV sizes: 55-70"
- According to VESA: 200-800 x 200-600 mm
- Features: Safety lock, lock release, shock absorbing

Load bearing capacity kg	Cat. No.
80	817.24.941

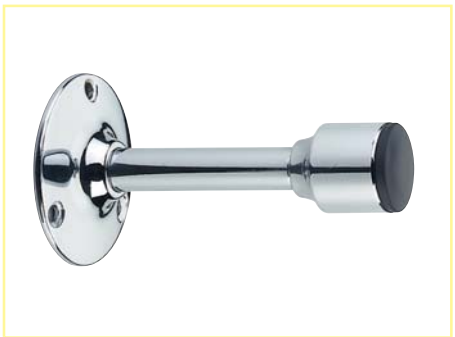
Packing: 1 set

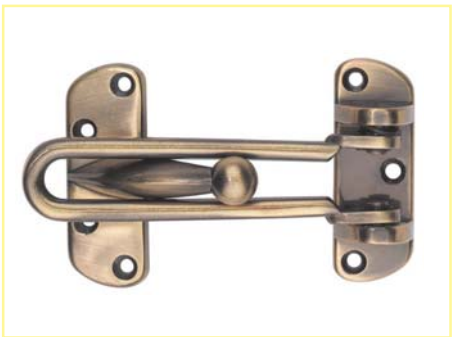
We reserve the right to alter specifications without notice (HTH Architectural Hardware 2015).

10 Hardware Fitting Accessories

















Bolts





Flush bolt/door operating locking bolt 10.4
Fully automatic flush bolt 10.11
Engineering security bolt 10.13
Floor socket/indicator bolt set 10.14

Door stops





Floor mounted door stop 10.15
Wall mounted door stop 10.17
Frame mounted door stop 10.19
Magnetic door stop 10.20
Plastic/rubber door stop 10.21
Non-mounted door stop 10.22
Door holder 10.22

Security door guards





Security door guard 10.25
Security door chain 10.26

Door Viewer



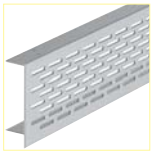


Door viewer..... 10.28

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Entrance door fittings

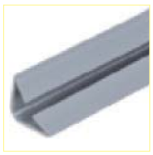


Letter plate/bell push 10.30
House number/door knocker..... 10.31
Symbol and plate 10.32
Ventilation grill 10.35

Door seals





Retractable door seal 10.37
Sill seal/weather seal 10.45
Sliding door seal/complete seal system 10.48
Finger protection blind system 10.51
Meeting stile astragal 10.53
Rebate door seal/internal door seal 10.54
Entrance door seal/fire rated door seal 10.57

Tooling





Surface-repairing products 10.63
Bit/fold-away ladder 10.66

Screws and consumables

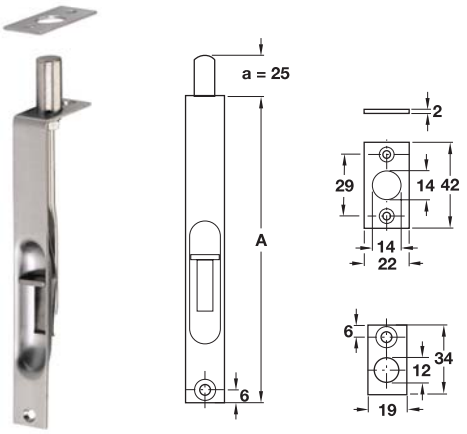




Screw 10.68
Consumable 10.79

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever action flush bolt StarTec



Features

- With slide

Technical data

- Width: 19 mm
- Stroke (a): 25 mm

Supplied with

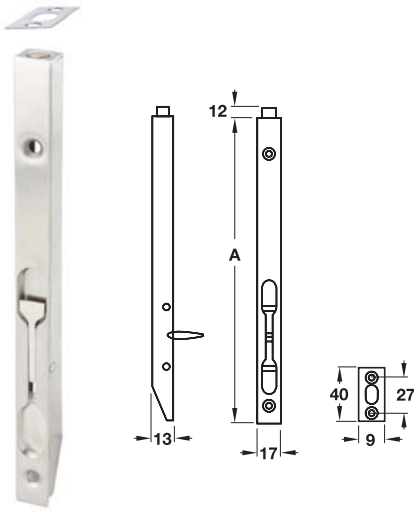
1 Flush bolt

1 Striking plate

1 Set of fastening material

Material/finish	Size A mm	Cat. No.
Stainless steel matt (304)	151	911.62.335
	254	911.62.918
Stainless steel polished	151	911.62.336
Stainless steel brass plated polished	151	911.62.337
	254	911.62.919
Stainless steel antique brass	151	911.62.338
	254	911.62.920
Stainless steel antique copper	151	911.62.339
	254	911.62.921

Packing: 1 pc.



Features

- With lever arm

Technical data

- Width: 17 mm
- Stroke (a): 12 mm

Supplied with

1 Flush bolt

1 Striking plate

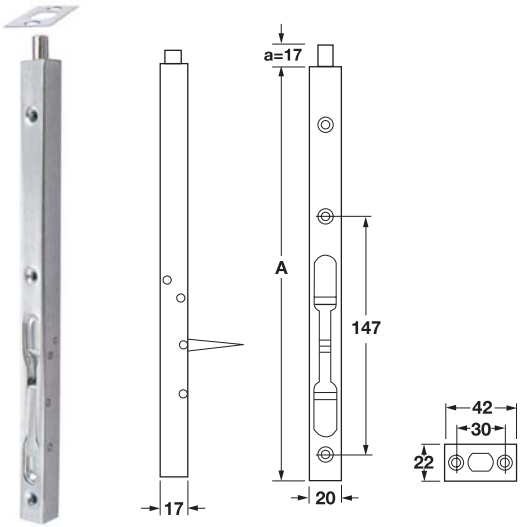
1 Set of fastening material

Material/finish	Size A mm	Cat. No.
Stainless steel matt	152	911.62.938
	203	911.62.942
Stainless steel brass plated polished	152	911.62.939
	203	911.62.943
Stainless steel antique brass	152	911.62.940
	203	911.62.944
Stainless steel antique copper	152	911.62.941
	203	911.62.945

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever action flush bolt StarTec



Features

- With lever arm

Technical data

- Width: 20 mm
- Stroke (a): 17 mm

Supplied with

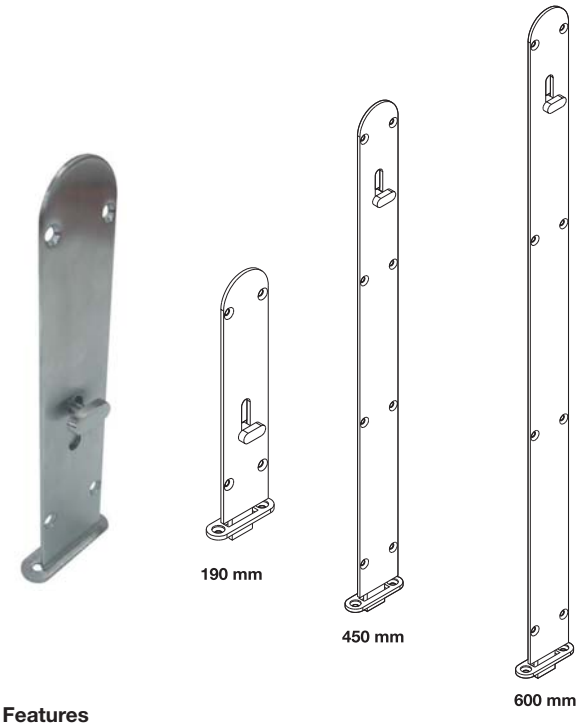
1 Flush bolt

1 Striking plate

1 Set of fastening material

Material/finish	Size A mm	Cat. No.
Stainless steel matt (304)	200	911.62.330
	300	911.62.680
	450	911.62.684
	600	911.62.688
Stainless steel brass plated polished	200	911.62.332
	300	911.62.681
	450	911.62.685
	600	911.62.689
Stainless steel antique brass	200	911.62.679
	300	911.62.683
	450	911.62.687
	600	911.62.691
Stainless steel antique copper	200	911.62.678
	300	911.62.682
	450	911.62.686
	600	911.62.690

Packing: 2 pcs.



Features

- With slide

Technical data

- Width: 41 mm
- Stroke (a): 20 mm

Supplied with

1 Slide flush bolt

1 Striking plate

1 Set of fastening material

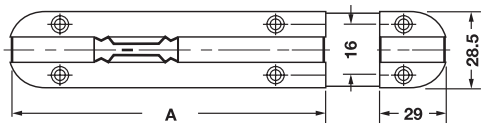
Material/finish	Size A mm	Cat. No.
Stainless steel matt	190	911.62.670
	450	911.62.671
	600	911.62.672
Brass nickel plated satin	190	911.62.501
	450	911.62.516
	600	911.62.525
Brass polished PVD	190	911.62.750
	450	911.62.752
	600	911.62.754

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door bolt





Features

• with slide

Technical data

• Width: 29 mm

Supplied with

1 Door bolt

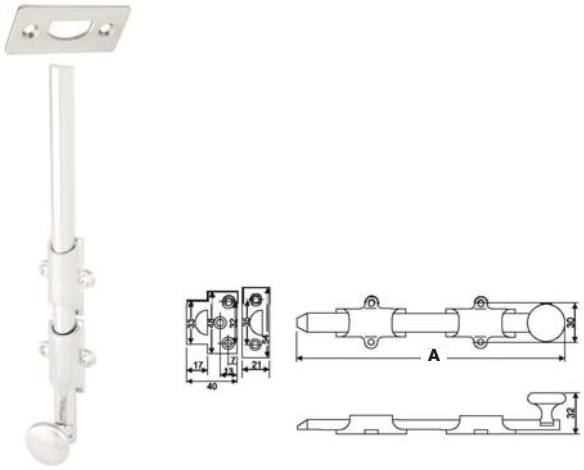
1 Socket

1 Set of fastening material

Material/finish	Size A mm	Cat. No.
Stainless steel matt	102	911.62.922
	152	911.62.926
	254	911.62.930
	305	911.62.934
Stainless steel brass plated polished	102	911.62.923
	152	911.62.927
	254	911.62.931
	305	911.62.935
Stainless steel antique brass	102	911.62.924
	152	911.62.928
	254	911.62.932
	305	911.62.936
Stainless steel antique copper	102	911.62.925
	152	911.62.929
	254	911.62.933
	305	911.62.937

Packing: 1 pc.

Knob slide bolt



Features

• Straight bolt

Technical data

• Length: 203 mm

• Stroke: 32 mm

Supplied with

1 Door bolt

2 Striking plates

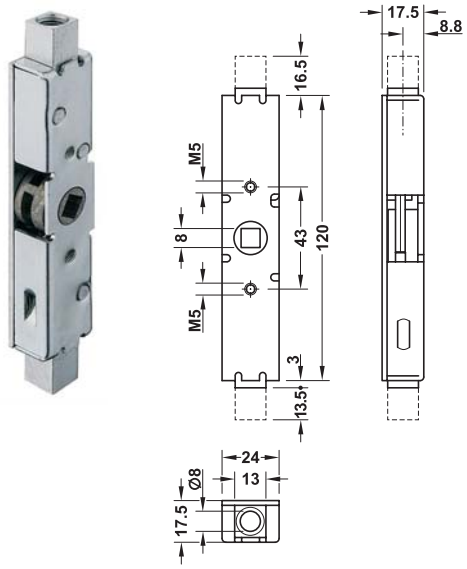
1 Set of fastening material

Material/finish	Size A mm	Cat. No.
Brass satin nickel plated	254	911.81.002
	457	911.81.010
Brass chrome plated polished	254	911.81.000
	457	911.81.008
Brass polished	254	911.81.001
	457	911.81.009
Brass antique brass	254	911.81.003
	457	911.81.011

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever action flush bolt StarTec



Features

- Without forend
- Bar connection to the top and bottom

Technical data

- Width: 24 mm
- Stroke: 12.5 mm
- Follower ☐ 8 mm
- Threaded sleeves M5

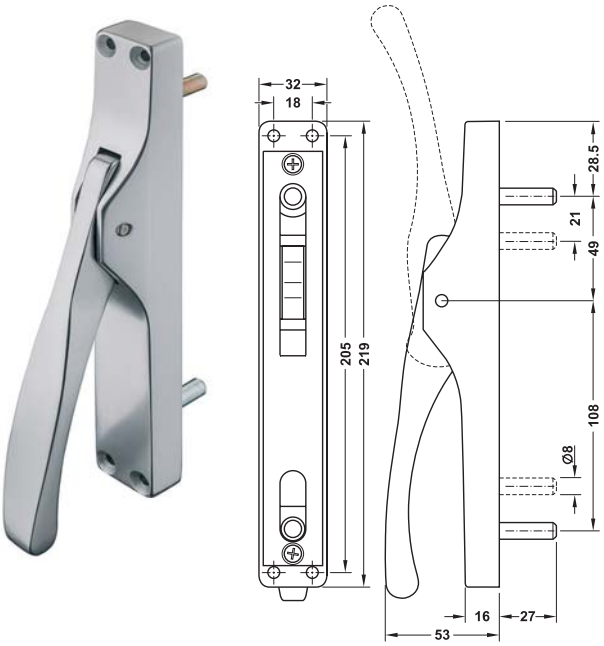
Supplied with

- Screw for lever action flush bolt

Material/finish	Cat. No.
Steel galvanized	911.62.621

Packing: 1 pc.

Door operating locking bolt



Features

- Version: Bar connection to the top and bottom
- Installation: For screw fixing

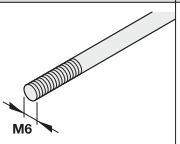
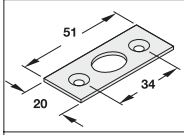
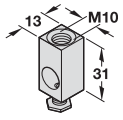
Technical data

- Lift: 21 mm

Supplied with

- 1 Door operating lock bolt

Material/finish	Cat. No.
Steel silver coloured anodized	911.61.007

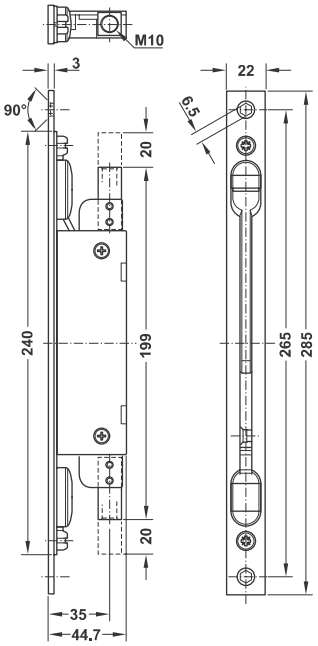
Accessories	Material/finish	Size mm	Cat. No.
	Bar, steel galvanized	2,500	911.62.180
		3,000	911.62.181
	Striking plate, steel galvanized	–	911.62.230
	Bar connection, steel yellow galvanized	–	911.61.049

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever action flush bolt StarTec





Features

- With lever arm
- Locking towards the top and bottom
- Bar connection to the top and bottom

Technical data

- Forend width: 22 mm
- Stroke: 20 mm

Finish

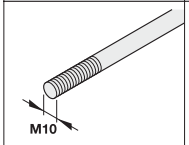
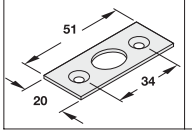
- Lever arm: aluminium

Fixing

- Screws for lever action flush bolt
- Screws for striking plate

Material/finish	Cat. No.
Stainless steel matt	911.62.255

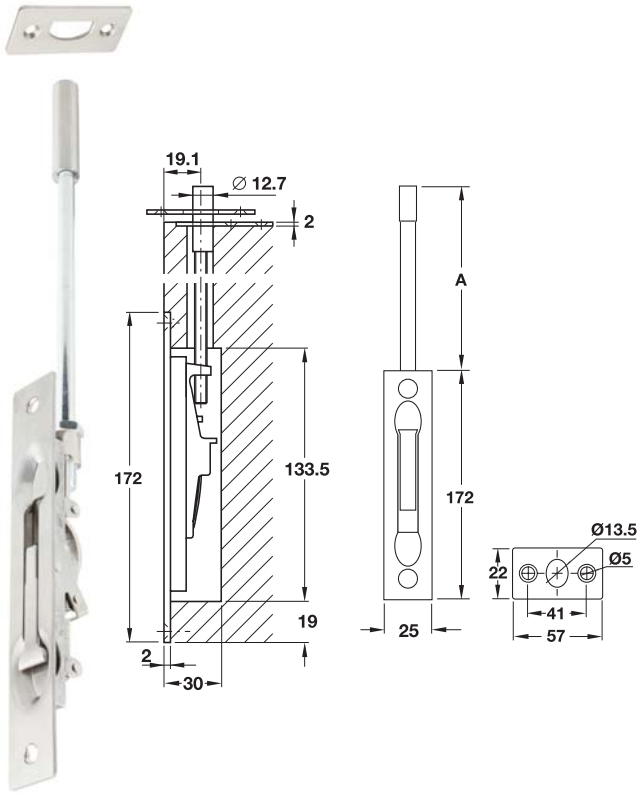
Packing: 1 pc.

Accessories	Material/finish	Size mm	Cat. No.
	Bar, steel galvanized	2,500	911.62.180
		3,000	911.62.181
	Striking plate, steel galvanized	–	911.62.230

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever action flush bolt



Features

- For metal or timber doors
- Manual locking and release
- With lever arm

Technical data

- Width: 25 mm
- Height: 172 mm

Supplied with

1 Lever action flush bolt
1 Striking plate
1 Shoot plate
1 Set of fixing material

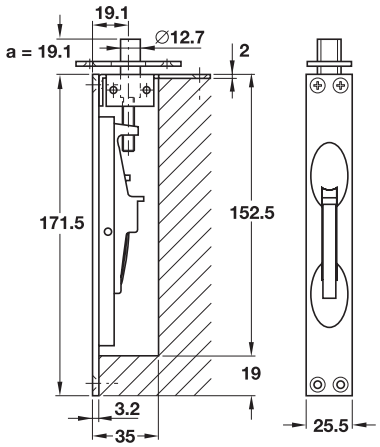
Material/finish	Size A mm	Cat. No.
Stainless steel matt	152	911.62.948
	203	911.62.949
	254	911.62.950
	304	911.62.951

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Lever action flush bolt





Features

- For timber doors
- Manual locking and release
- With lever arm
- Tested to UL R4942

Technical data

- Width: 25.5 mm
- Height: 171.5 mm
- Stroke (a): 19.1 mm

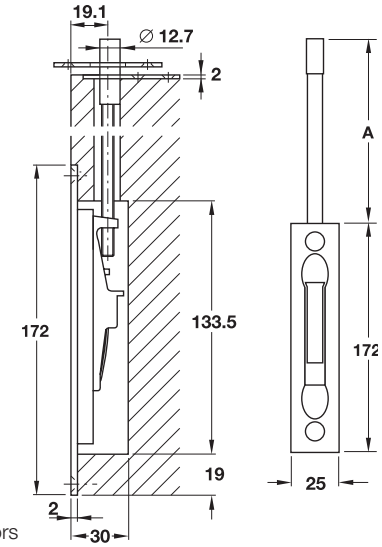
Supplied with

1 Lever action flush bolt
1 Striking plate
1 Set of fixing material

Material/finish	Cat. No.
Brass chrome plated matt	911.62.010
Brass polished	911.62.011

Packing: 1 pc.





Features

- For metal or timber doors
- Manual locking and release
- With lever arm
- Tested to UL R4942

Technical data

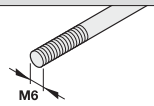
- Width: 25.5 mm
- Stroke (a): 19.1 mm

Supplied with

1 Lever action flush bolt
1 Striking plate
1 Shoot plate
1 Set of fixing material
1 Threaded bar 305 mm

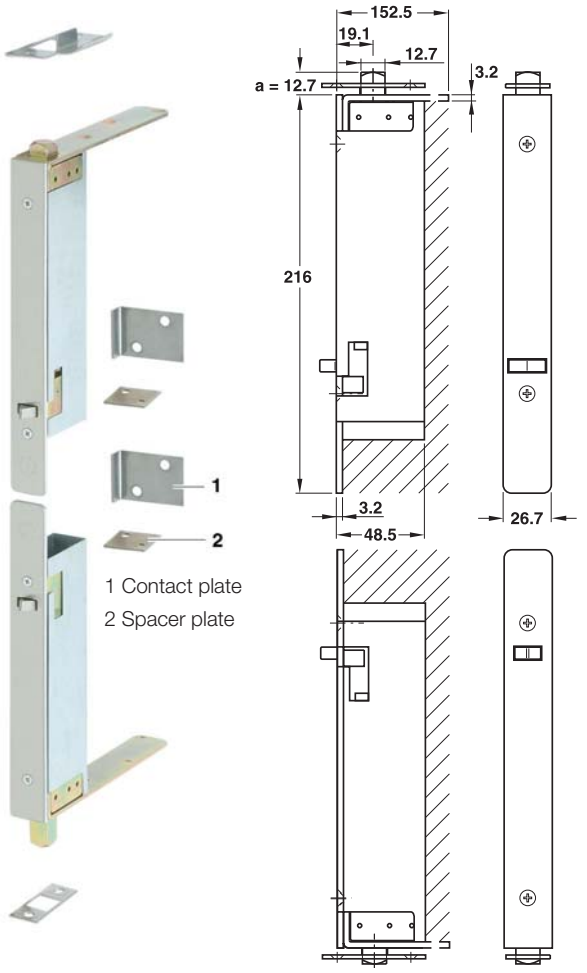
Material/finish	Cat. No.
Brass chrome plated matt	911.62.013
Brass polished	911.62.014

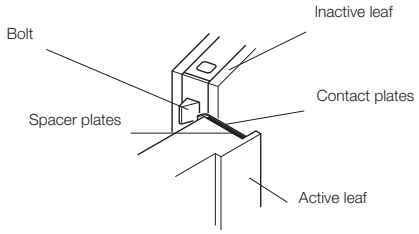
Packing: 1 pc.

Accessories	Material	Size mm	Cat. No.
	Bar, steel galvanized	610	911.62.017
		1,220	911.62.018

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fully automatic flush bolt





When closing the active leaf, the inactive leaf is locked automatically. The contact plates protect the facing of the active leaf when operating the latch. When opening the active leaf, the inactive leaf is unlocked automatically.

Features

- For timber doors
- Automatic locking and release
- Lower bolt head with roller for a good central contact with the floor striking plate

Technical data

- Width: 26.7 mm
- Height: 206.5 mm
- Throw (a): 19.1 mm

Fixing

- A floor socket with a bolt aperture of 19 mm can be used as an alternative to the floor striking plate.

Supplied with

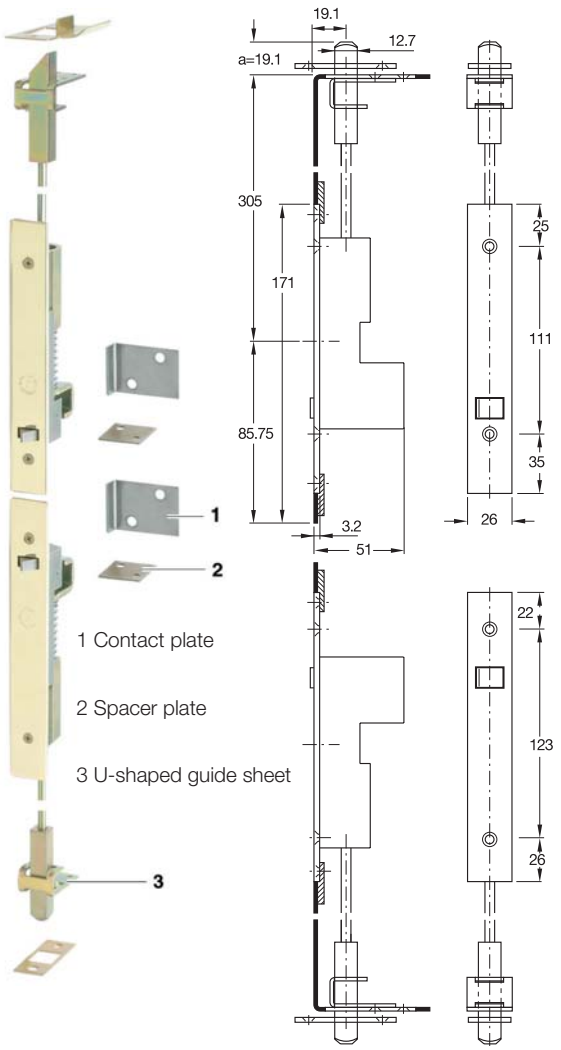
2 Flush bolts (top and bottom)
2 Striking plates
2 Contact plates (polyamide coated)
6 Spacer plates
1 Set of fixing material

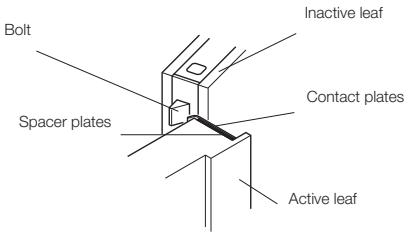
Material/finish	Cat. No.
Stainless steel matt (304)	911.62.034

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fully automatic flush bolt





When closing the active leaf, the inactive leaf is locked automatically. The contact plates protect the facing of the active leaf when operating the latch. When opening the active leaf, the inactive leaf is unlocked automatically.

Features

- For metal or wooden doors
- Automatic locking and release

Technical data

- Width: 26 mm
- Throw (a): 19,1 mm

Fixing

- A floor socket with a bolt aperture of 19 mm can be used as an alternative to the floor striking plate.

Supplied with

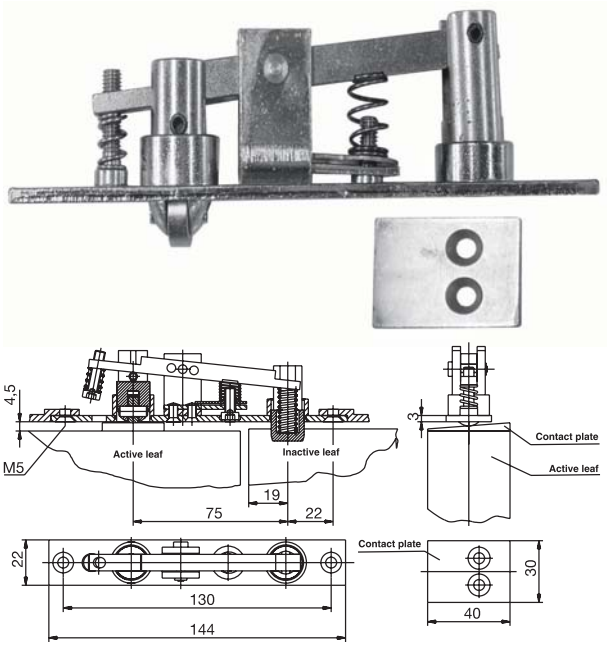
2 Flush bolts (top and bottom)
2 Striking plates
2 U-shaped guide sheets
2 Guide reinforcements
2 Contact plates (nylon coated)
6 Spacer plates
2 Bars
1 Set of fixing screws

Material/finish	Cat. No.
Stainless steel matt (304)	911.62.037
Brass polished	911.62.038

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fully automatic flush bolt StarTec



Features

- For wooden doors
- Automatic locking and release

Technical data

- Width: 22 mm
- Height: 144 mm
- Stroke (a): 8 mm

Supplied with

1 Fully automatic flush bolt
1 Contact plate
1 Set of fixing material

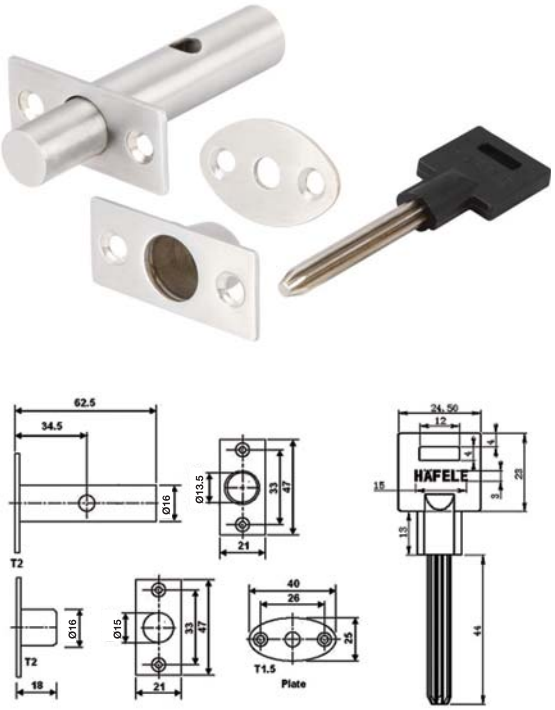
Function

The inactive door leaf is locked when the active door leaf is closed since the indexing bolt is pushed up, causing the locking bolt to engage in the inactive door leaf.
The inactive door leaf is likewise unlocked when the active door leaf is opened since the locking bolt is retracted by spring pressure.

Material/finish	Cat. No.
Steel blue galvanized	911.56.021

Packing: 1 pc.

Engineering security bolt StarTec



Features

- Key turn operated included socket
- To suit door up to 45 mm thickness

Technical data

- Backset: 34.5 ±0.3 mm
- Stroke: 19 mm

Supplied with

1 Bolt
1 Striking plate
1 Escutcheon
1 Bolt key
1 Set of fixing material

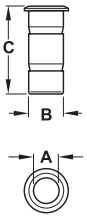
Material/finish	Cat. No.
Stainless steel matt	911.62.389

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Floor socket StarTec





Features

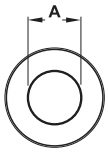
- Prevents accumulation of dust or dirt in the bore of the strike

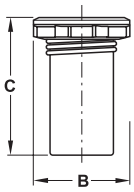
Material/finish	Ø A mm	Ø B mm	C mm	Cat. No.
Brass chrome plated	9	13	36	911.62.060
	11	15		911.62.062
	13	17		911.62.064
	15	19		911.62.066
	20	25	40	911.62.068
Brass polished	9	13	36	911.62.061
	11	15		911.62.063
	13	17		911.62.065
	15	19		911.62.067
	20	25	40	911.62.069

Packing: 1 pc.

Floor socket StarTec







Features

- Prevents accumulation of dust or dirt in the bore of the strike
- The spring force is adjusted to half and fully automatic lever action flush bolts

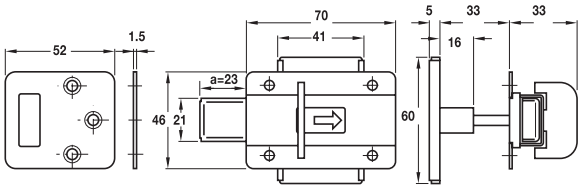
Material/finish	Ø A mm	Ø B mm	C mm	Cat. No.
Brass chrome plated matt	19	27	48	911.62.070

Packing: 1 pc.

Indicator bolt set StarTec







Features

- Lock indicator red / blue
- With square spindle

Technical Data

- Width: 70 mm
- Height: 46 mm
- Stroke (a): 23 mm

Supplied with

1 Bolt
1 Lock indicator red / blue
1 Striking plate
1 Set of fastening screw

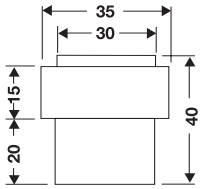
Material/finish	Cat. No.
Stainless steel matt (304)	911.62.050

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

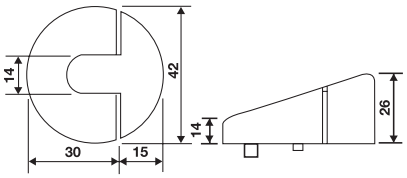
Floor mounted door stop StarTec





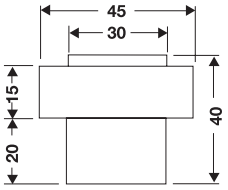
Material/finish	Cat. No.
Stainless steel matt	937.55.100
Stainless steel polished	937.55.101
Stainless steel brass plated polished PVD	937.52.088





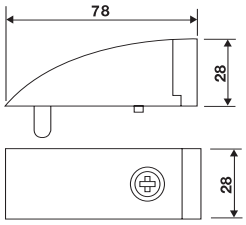
Material/finish	Cat. No.
Stainless steel matt	937.53.580
Stainless steel polished	937.53.581





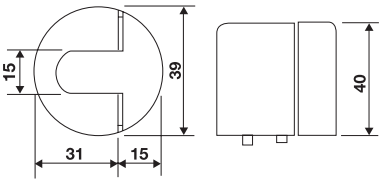
Material/finish	Cat. No.
Stainless steel matt	937.53.560
Stainless steel polished	937.53.561





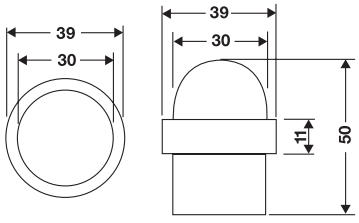
Material/finish	Cat. No.
Stainless steel matt	937.53.590
Stainless steel polished	937.53.591





Material/finish	Cat. No.
Stainless steel matt	937.53.570
Stainless steel polished	937.53.571



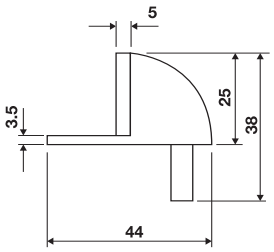


Material/finish	Cat. No.
Stainless steel matt	937.55.130
Stainless steel polished	937.55.131

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

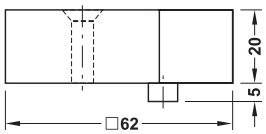
Floor mounted door stop StarTec





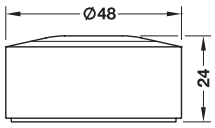
Material/finish	Cat. No.
Stainless steel matt	937.55.140
Stainless steel polished	937.55.141
Stainless steel brass plated polished PVD	937.52.078





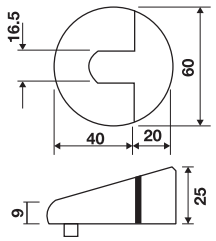
Material/finish	Cat. No.
Stainless steel matt	937.55.610
Stainless steel polished	937.55.611





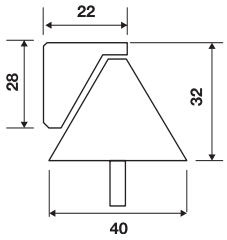
Material/finish	Cat. No.
Stainless steel matt	937.55.600
Stainless steel polished	937.55.601





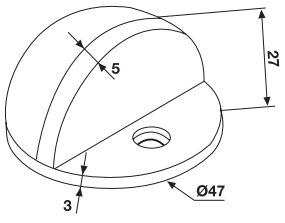
Material/finish	Cat. No.
Zinc alloy nickel plated satin	937.53.526
Zinc alloy brass plated polished	937.53.528
Zinc alloy antique brass plated	937.53.521
Zinc alloy antique copper plated	937.53.529





Material/finish	Cat. No.
Zinc alloy nickel plated satin	937.52.506
Zinc alloy brass plated polished	937.53.558
Zinc alloy antique brass plated	937.53.551
Zinc alloy antique copper plated	937.53.559



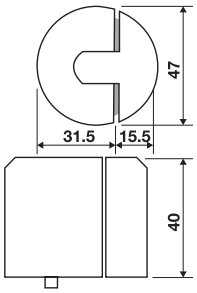


Material/finish	Cat. No.
Zinc alloy stainless steel coloured	937.01.116
Zinc alloy chrome plated polished	937.55.122
Zinc alloy brass plated polished	937.01.118
Zinc alloy antique brass plated	937.01.111
Zinc alloy antique copper plated	937.01.113

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

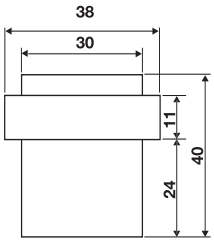
Floor mounted door stop StarTec





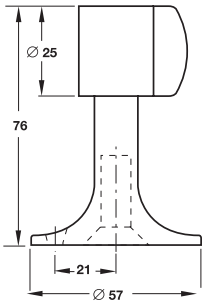
Material/finish	Cat. No.
Zinc alloy nickel plated satin	937.53.536
Zinc alloy brass plated polished	937.53.538
Zinc alloy antique brass plated	937.53.531
Zinc alloy antique copper plated	937.53.539





Material/finish	Cat. No.
Zinc alloy nickel plated satin	937.55.116
Zinc alloy brass plated polished	937.55.118
Zinc alloy antique brass plated	937.55.111
Zinc alloy antique copper plated	937.55.119

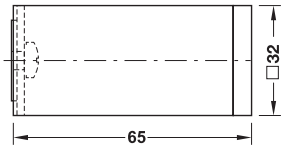




Material/finish	Cat. No.
Brass chrome plated matt	937.41.004
Brass matt	937.41.005
Brass polished	937.41.008

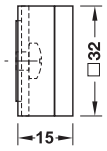
Wall mounted door stop StarTec





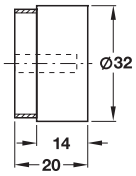
Material/finish	Cat. No.
Stainless steel matt	937.14.410
Stainless steel polished	937.14.411





Material/finish	Cat. No.
Stainless steel matt	937.14.400
Stainless steel polished	937.14.401

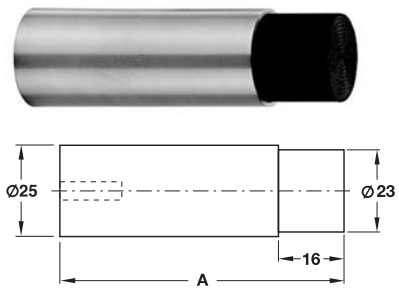




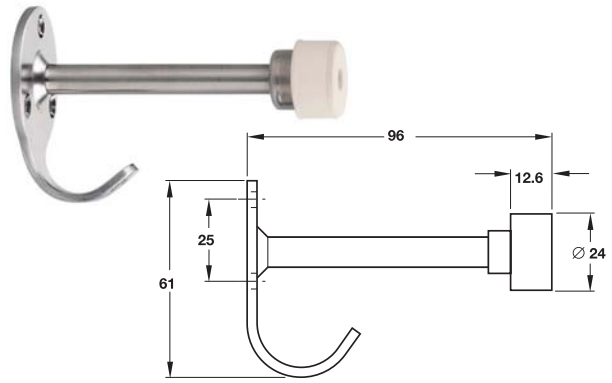
Material/finish	Cat. No.
Stainless steel matt	937.11.100

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

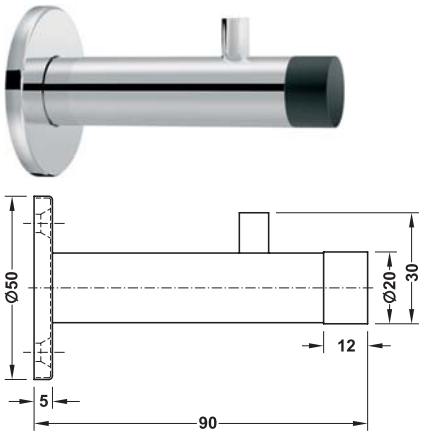
Wall mounted door stop StarTec



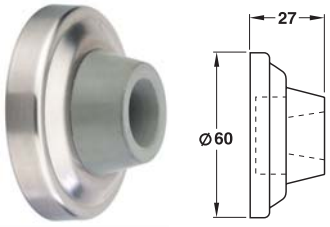
Material/finish	A mm	Cat. No.
Stainless steel matt (304)	40	937.12.120
	60	937.12.110
	78	937.12.100
Stainless steel brass plated polished PVD	78	937.12.108



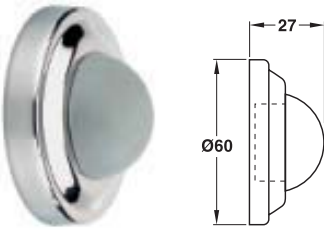
Material/finish	Cat. No.
Stainless steel matt (304)	938.10.400



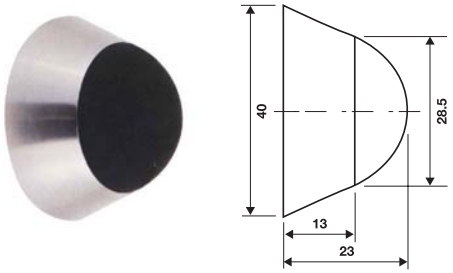
Material/finish	Cat. No.
Stainless steel matt (304)	937.12.800
Stainless steel polished (304)	937.12.802



Material/finish	Cat. No.
Stainless steel matt	937.11.710
Stainless steel polished	937.11.711



Material/finish	Cat. No.
Stainless steel matt	937.11.700
Stainless steel polished	937.11.701

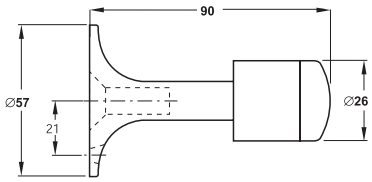


Material/finish	Cat. No.
Stainless steel matt (304)	937.11.620

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Wall mounted door stop StarTec

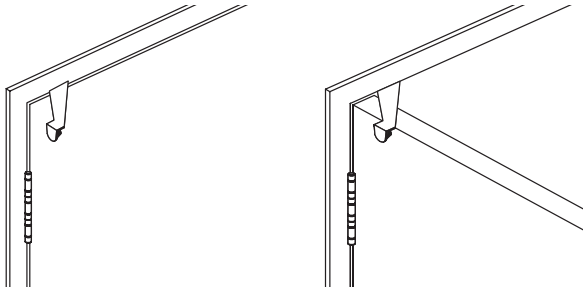




Material/finish	Cat. No.
Brass chrome plated polished	937.00.802
Brass chrome plated matt	937.00.804
Brass matt	937.00.805
Brass polished	937.00.808

Frame mounted door stop StarTec



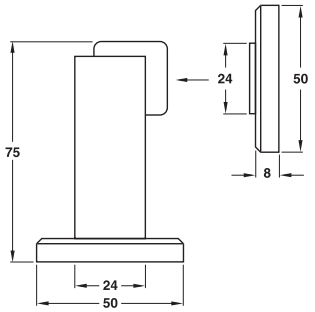


Material/finish	Version	Cat. No.
Stainless steel matt	Right side	937.13.510
	Left side	937.13.500

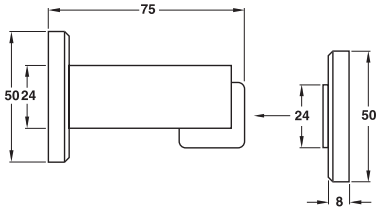
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Magnetic door stop StarTec





Floor mounted



Wall mounted

Features

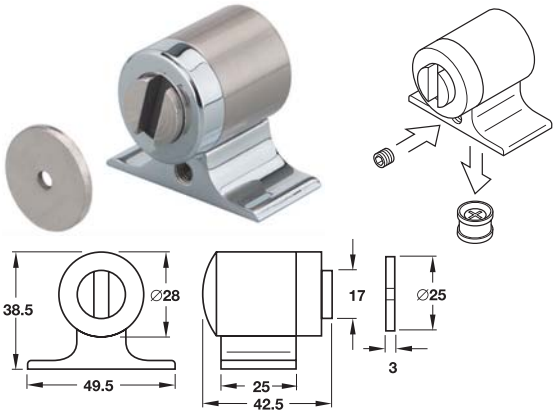
- With magnetic adhesion mechanism
- For wall or floor mounting

Technical data

- Pull approx. 4 kg

Material/finish	Cat. No.
Zinc alloy stainless steel coloured	938.34.000
Zinc alloy chrome plated polished	938.23.002
Zinc alloy brass plated polished	938.23.008
Zinc alloy antique brass plated	938.23.001
Zinc alloy antique copper plated	938.23.009

Packing : 1 pc. supplied with fixing material



Features

- With magnetic adhesion mechanism

Material/finish	Cat. No.
Brass polished	938.10.108
Brass chrome plated polished	938.10.102
Brass chrome plated polished/nickel plated polished	938.10.107
Brass matt	938.10.105
Brass burnished	938.10.101

Packing : 1 pc. supplied with fixing material



Features

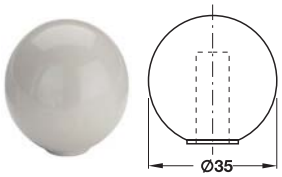
- With magnetic adhesion mechanism

Material/finish	Cat. No.
Brass chrome plated polished	938.10.002
Brass matt	938.10.005
Brass nickel plated polished	938.10.007
Brass polished	938.10.008
Brass burnished	938.10.001

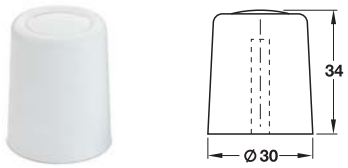
Packing : 1 pc. supplied with fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Plastic/rubber door stop StarTec



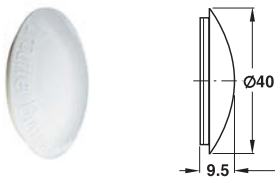
Material	Finish	Cat. No.
Rubber	White	937.90.200
	Grey	937.90.203
	Brown	937.90.246
	Beige	937.90.240
	Black	937.90.207



Material	Finish	Cat. No.
Plastic	White	937.90.800
	Grey	937.90.803
	Brown	937.90.846



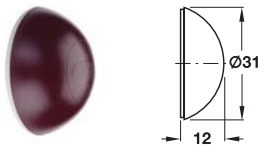
Material	Finish	Cat. No.
Rubber	White	407.01.730
	Black	407.01.930



Features

- Version: Self-adhesive

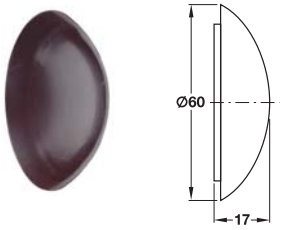
Material	Finish	Cat. No.
Plastic	White	937.91.400
	Brown	937.91.446



Features

- Version: Self-adhesive

Material	Finish	Cat. No.
Plastic	White	937.90.100
	Brown	937.90.146
	Beige	937.90.140
	Black	937.90.107



Features

- Version: Self-adhesive

Material	Finish	Cat. No.
Plastic	White	937.91.500
	Brown	937.91.546

Corner bumper



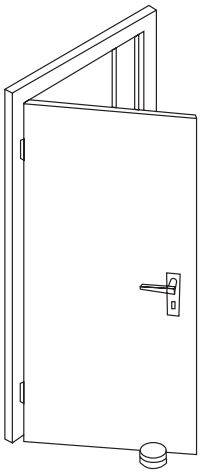
Features

- Version: Self-adhesive

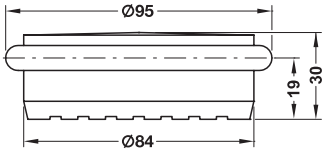
Material	Finish	Cat. No.
Plastic	White	937.91.300
	Brown	937.91.346

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Non-mounted door stop StarTec







Features

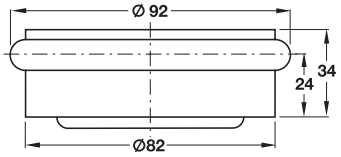
- Can be used as door stop and door buffer
- Without screw fixing because of high specific weight and anti-slip coating

Technical data

- Weight: 1.0 kg

Material/finish	Cat. No.
Steel stainless steel coloured	937.53.300





Features

- Can be used as door stop and door buffer
- Without screw fixing because of high specific weight and anti-slip coating

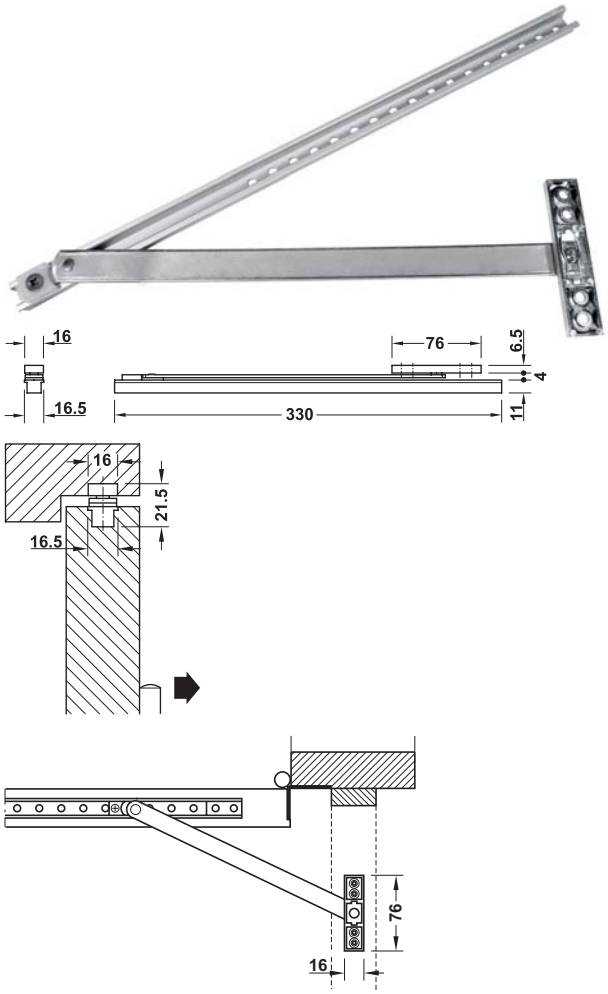
Technical data

- Weight: 1.1 kg

Material/finish	Cat. No.
Steel brass plated polished	937.85.608

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door holder StarTec



Features

- For concealed installation
- For wood, aluminium or plastic
- With adjustable hold-open function
- Easy installation

Technical data

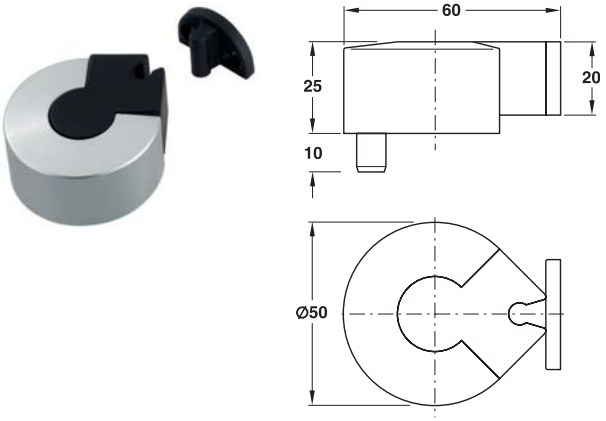
- Max. opening angle: 125°

Supplied with

1 Door holder

1 Set of fixing material

Material/finish	Cat. No.
Aluminium/steel silver coloured	938.33.000



Features

- For interior doors
- Floor mounted door stop with clamping mechanism

Technical data

- Max. bottom door gap: 5 mm

Supplied with

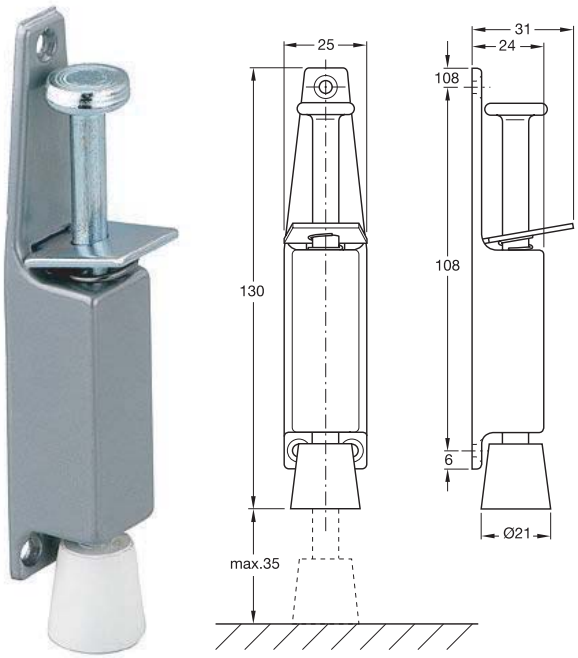
1 Floor mounted door stop

1 Set of fixing material

Material/finish	Cat. No.
Aluminium silver coloured anodized	938.01.001

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Door holder StarTec



Features

• Fixing of the door in every opening angle

Technical data

• Max. door weight: 25 kg

Material/Finish

• Zinc alloy silver coloured lacquered

• Bolt: Steel galvanized

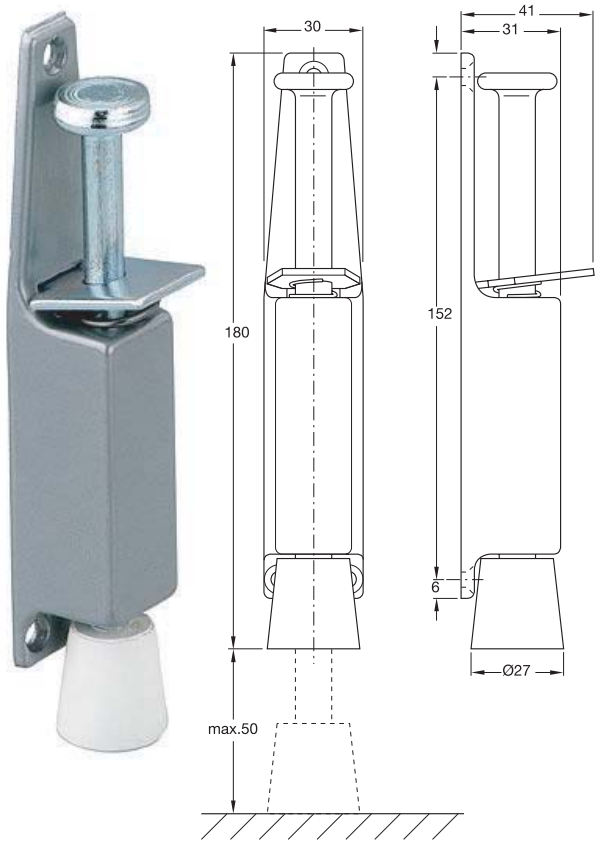
• Stopper: Rubber white

Supplied with

1 Door holder

Stroke mm	Cat. No.
35	938.04.001

Packing : 1 pc.



Features

• Fixing of the door in every opening angle

Technical data

• Max. door weight: 40 kg

Material/Finish

• Zinc alloy silver coloured lacquered

• Bolt: Steel galvanized

• Stopper: Rubber white

Supplied with

1 Door holder

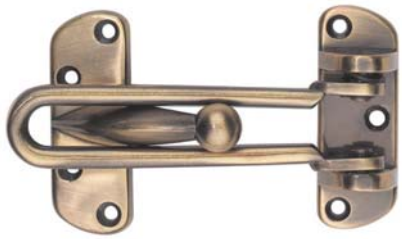
1 Set of fixing material

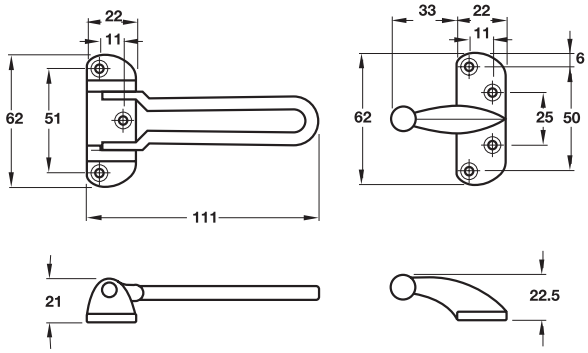
Stroke mm	Cat. No.
50	938.04.101

Packing : 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Security door guard StarTec





Features

- For timber doors
- For inward opening doors

Supplied with

1 Door guard

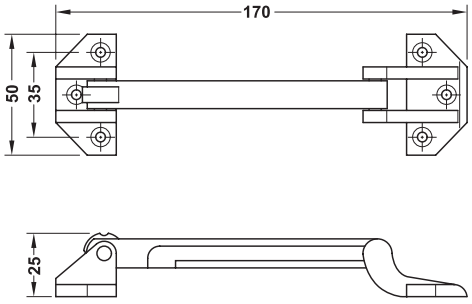
1 Frame part with long head section

1 Set of fixing material

Material/finish	Cat. No.
Zinc alloy stainless steel matt coloured	911.59.156
Zinc alloy brass plated polished	911.59.158
Zinc alloy antique copper plated	911.59.153
Zinc alloy antique brass plated	911.59.151
Zinc alloy chrome plated polished	911.59.152

Packing: 1 pc.





Features

- For timber doors
- For inward opening doors

Supplied with

1 Door guard

1 Set of fixing material

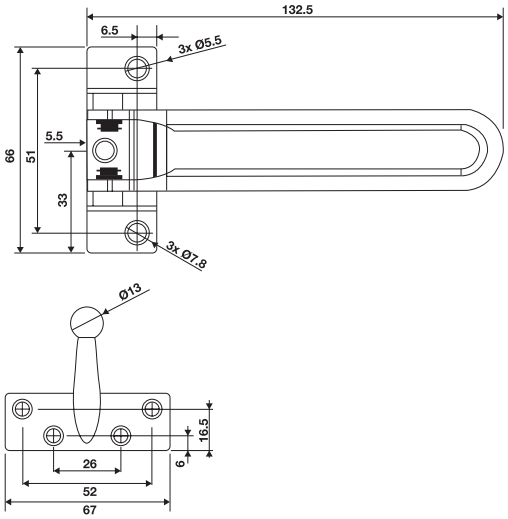
Material/finish	Cat. No.
Zinc alloy nickel plated satin	911.58.052
Zinc alloy antique copper plated	911.58.058
Zinc alloy antique brass plated	911.58.054

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Security door guard StarTec





Features

- For timber doors
- For inward opening doors

Supplied with

1 Door guard

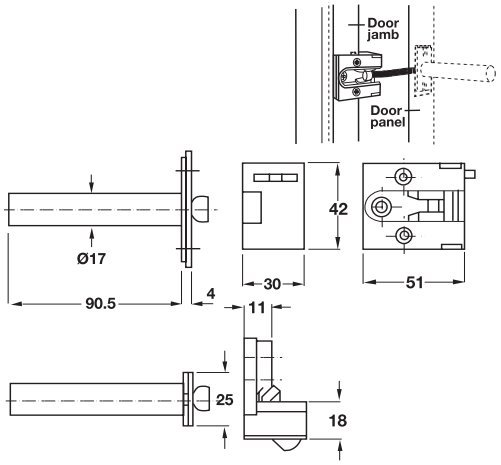
1 Set of fixing material

Material/Finish	Cat. No.
Zinc alloy nickel plated satin	
Zinc alloy brass plated polished	911.59.044
Zinc alloy antique copper plated	911.59.049
Zinc alloy antique brass plated	911.59.048
Zinc alloy chrome plated polished	911.59.047

Packing: 1 pc.

Security door chain StarTec





Features

- For timber door
- For inward opening doors

Supplied with

1 Door chain

1 Frame part

1 Set of fixing material

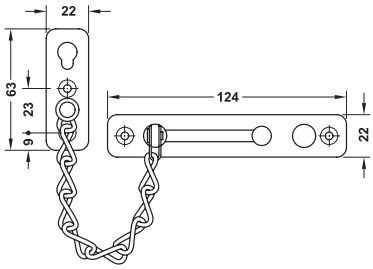
Material/Finish	Cat. No.
Zinc alloy stainless steel matt coloured	911.59.095
Zinc alloy brass plated polished	911.59.086
Zinc alloy chrome plated polished	911.59.087
Zinc alloy antique brass plated	911.59.092

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Security door chain StarTec





Features

- For timber door
- For inward opening doors

Supplied with

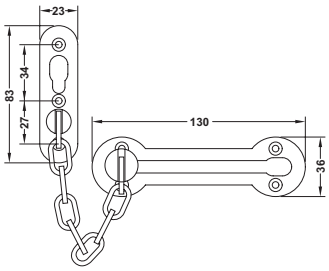
1 Door chain

1 Set of fixing material

Material/Finish	Cat. No.
Stainless steel matt coloured	911.60.000
Stainless steel brass plated polished	911.60.011
Stainless steel antique brass coloured	911.60.012
Stainless steel antique copper coloured	911.60.013

Packing: 1 pc.





Features

- For timber door
- For inward opening doors

Supplied with

1 Door chain

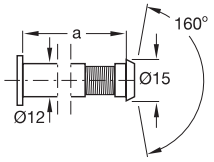
1 Set of fixing material

Material/Finish	Cat. No.
Stainless steel matt coloured	911.60.005
Stainless steel antique brass coloured	911.60.007
Stainless steel antique copper coloured	911.60.009

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).





Features

- Suitable for door thicknesses (a): 34–52 mm
- Telescopic version, without flap

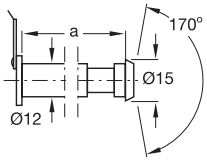
Technical data

- Angle of vision: 160°
- Door drilling: 12 mm

Material/finish	Cat. No.
Brass chrome plated	959.01.020
Brass polished	959.01.021
Antique brass	959.01.022

Packing: 1 pc.





Features

- Suitable for door thicknesses (a): 31–57mm
- With flap

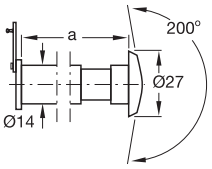
Technical data

- Angle of vision: 170°
- Door drilling: 12 mm

Material/finish	Cat. No.
Brass chrome plated	959.00.001
Brass polished	959.00.002
Brass chrome plated polished	959.00.007
Brass nickel plated matt	959.00.000

Packing: 1 pc.





Features

- Suitable for door thicknesses (a): 35–55 mm
- With flap

Technical data

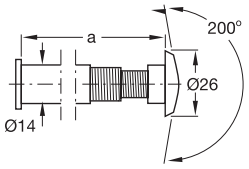
- Angle of vision: 200°
- Door drilling: 14 mm

Material/finish	Cat. No.
Brass chrome plated	959.06.106
Brass polished	959.06.108
Antique brass	959.00.070
Brass nickel plated satin	959.00.072

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).





Features

- Suitable for door thicknesses (a): 35–78 mm
- Telescopic version, without flap

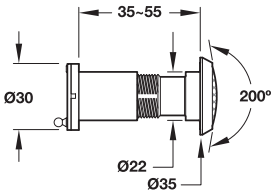
Technical data

- Angle of vision: 200°
- Door drilling: 12 mm

Material/finish	Cat. No.
Brass chrome plated	959.01.010
Brass polished	959.01.011
Antique brass	959.01.012

Packing: 1 pc.





Features

- Suitable for door thicknesses (a): 30–45 mm
- With flap

Technical data

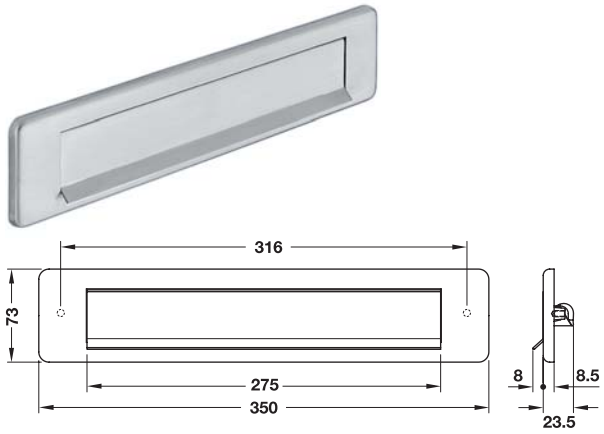
- Angle of vision: 200°
- Door drilling: 22 mm

Material/finish	Cat. No.
Brass polished PVD	959.16.008

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Letter plate StarTec

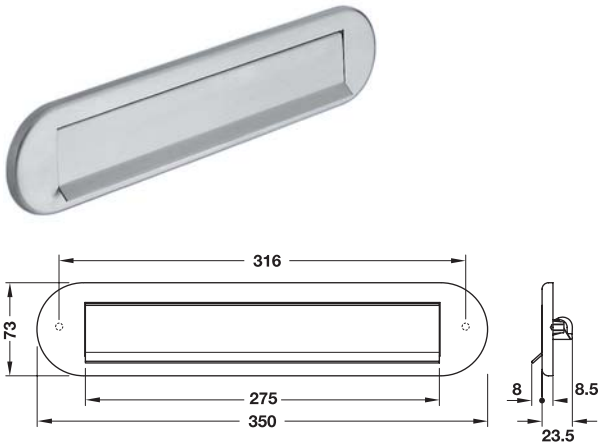


Features

- Version: Concealed fixing, letter plate with spring
- Fixing material supplied

Material/finish	Cat. No.
Stainless steel matt (304)	986.10.040
Stainless steel brass plated polished PVD	986.10.045

Packing : 1 pc.



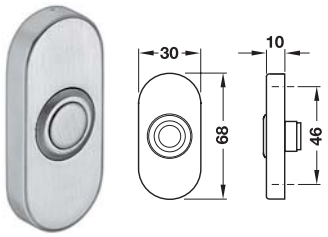
Features

- Version: Concealed fixing, letter plate with spring
- Fixing material supplied

Material/finish	Cat. No.
Stainless steel matt (304)	986.10.070
Stainless steel brass plated polished PVD	986.10.075

Packing : 1 pc.

Bell push StarTec

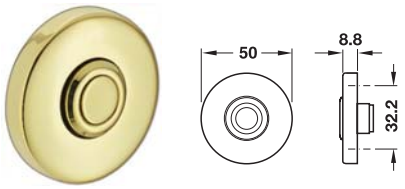


Features

- Version: Concealed fixing
- Fixing material supplied

Material/finish	Cat. No.
Stainless steel matt (304)	986.10.010
Brass polished PVD	986.10.015

Packing : 1 pc.



Features

- Version: Concealed fixing
- Fixing material supplied

Material/finish	Cat. No.
Stainless steel matt (304)	986.10.000
Brass polished PVD	986.10.005

Packing : 1 pc.

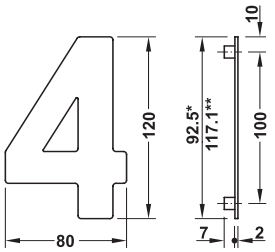
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

House number StarTec



Stainless steel matt (304)

Brass polished PVD



* Dimensions for b and d/

Number/letter	Brass polished PVD	Stainless steel matt (304)
0	987.21.108	987.21.100
1	987.21.118	987.21.110
2	987.21.128	987.21.120
3	987.21.138	987.21.130
4	987.21.148	987.21.140
5	987.21.158	987.21.150
6/9	987.21.168	987.21.160
7	987.21.178	987.21.170
8	987.21.188	987.21.180
a	987.21.208	987.21.200
b	987.21.218	987.21.210
c	987.21.228	987.21.220
d	987.21.238	987.21.230

Packing : 1 pc. supplied with fixing material

Solar power illuminated house number



Supplied with

1 Wall light

3 Sets (0 – 9)

1 Set (A – E)

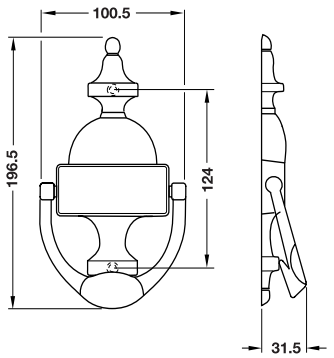
Features

- Version: With numbers and letters
- Installation: Wireless
- Dimensions (W x D x H): 230 x 70 x 200 mm

Material	Cat. No.
Stainless steel	987.19.990

Door knocker StarTec





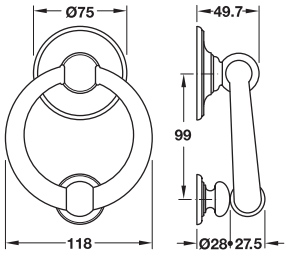
Features

- Version: Concealed fixing
- Fixing material supplied

Material/finish	Cat. No.
Brass polished PVD	986.10.025

Packing : 1 pc.





Features

- Version: Concealed fixing
- Fixing material supplied

Material/finish	Cat. No.
Brass polished PVD	986.10.035

Packing : 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Symbol StarTec



Technical data

- Diameter: 75.0 mm
- Thickness: 1.5 mm
- Self-adhesive

Symbol		Stainless steel
	Female/Male	987.21.330
	Male	987.21.310
	Female	987.21.300
	Disabled	987.21.320
	No smoking	987.21.360
WC	Toilet	987.37.000

Packing: 1 pc.



Technical data

- Dimensions (B x H): 100 x 100 mm
- Thickness: 1 mm
- Self-adhesive

Symbol		Stainless steel
	Female/Male	987.09.400
	Male	987.09.410
	Female	987.09.420
	Disabled	987.09.430
	Baby change	987.09.440
	Shower	987.09.450
	Arrow left	987.09.460
	Arrow right	987.09.470

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Symbol StarTec



Technical data

- Material: Weather resistant polyamide
- Height: 150 mm
- Thickness: 3 mm
- Self-adhesive

Symbol		Cat. No.
	Male	987.05.0**
	Female	987.05.1**
	Disabled	987.05.2**

Packing: 1 pc.



Technical data

- Material: Weather resistant polyamide
- Diameter: 52 mm
- Thickness: 2 mm
- Self-adhesive

Symbol		Cat. No.
	Push	987.05.5**
	Pull	987.05.6**

Packing: 1 pc.

Order reference

When ordering, replace the ** of the Cat. No. with the colour number of your choice.

13 Buttercup yellow	33 Ruby red	50 Steel blue	53 Ultramarine blue	80 Coffee brown	90 Jet black	92 Anthracite grey	95 Stone grey	97 Light grey	99 Pure white

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Push and pull plate StarTec



Technical data

- Height x width: 300 x 100 mm
- Thickness: 1.5 mm
- Pull handle diameter: 19 mm

Symbol		Stainless steel
	Push plate “PUSH”	987.11.300
	Pull plate “PULL” with pull handle	987.11.200

Packing: 1 pc.

Kick plate StarTec



Technical data

- Rounded corners
- For screw fixing (number of holes according to size of plate)

Thickness mm	Stainless steel matt
1.5	987.28.000

Packing: 1 pc.

Order reference

Please specify dimensions (width x height) for order.

Push plate StarTec



Technical data

- Rounded corners
- For screw fixing

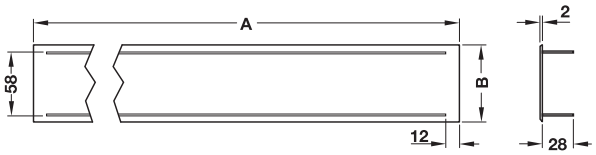
Size (H x W) mm	Thickness mm	Stainless steel matt
230 x 75	1.5	987.14.000
230 x 100		987.14.200
305 x 75		987.14.400
305 x 100		987.14.600

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ventilation grill





Features

- With smooth flanges
- Visible edges bevelled

Material/Finish

- Profiled material, aluminium silver coloured anodized

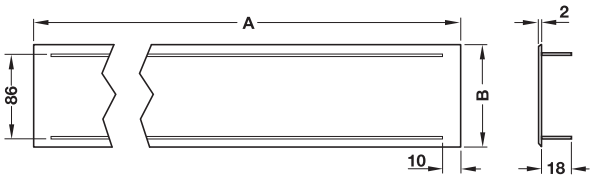
Installation

- Gluing in place

Length A x width B mm	Ventilation cm²	Cat. No.
250 x 70	44	575.00.919
500 x 70	88	575.00.928

Packing: 1 pc.





Features

- With smooth flanges
- Visible edges bevelled

Material/Finish

- Profiled material, aluminium silver coloured anodized

Installation

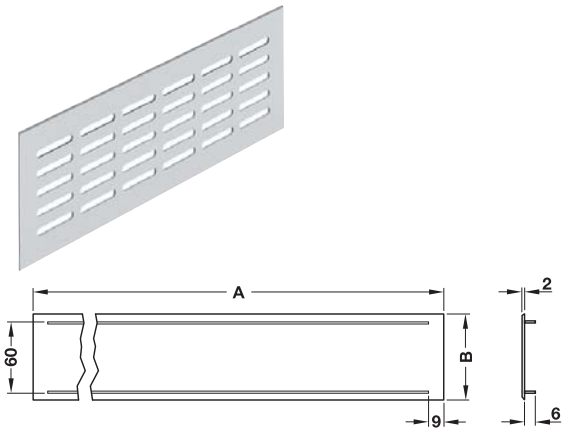
- Gluing in place

Length A x width B mm	Ventilation cm²	Cat. No.
250 x 102	90	575.13.916
500 x 102	193	575.13.925

Packing: 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Ventilation grill



Features

- With harpoon-type flanges
- Long edges bevelled

Material/Finish

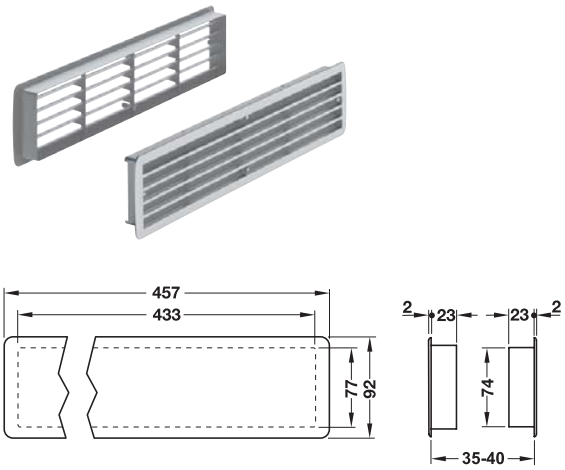
- Profiled material, aluminium silver coloured anodized

Installation

- Press fitting

Length A x width B mm	Ventilation cm²	Cat. No.
240 x 78	36	575.07.918
480 x 78	78	575.07.927

Packing: 1 pc.



Features

- Suitable for door panel thickness: 35–40 mm
- 2-part
- View-proof position of lamellae

Technical data

- Ventilation data 200 cm²

Installation

- Gluing in place

Material/finish	Cat. No.
Plastic white	959.10.001
Plastic pine	959.10.002
Plastic mahogany	959.10.003
Plastic walnut	959.10.004
Plastic light-grey	959.10.005
Plastic black	959.10.006

Packing: 1 pc.

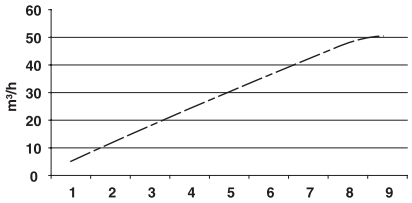
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).



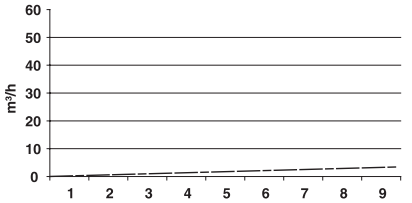
Areas of application
- Protection against cold, draught and vermin
- Reduces light leakage, sound insulation
- Smoke control, fire resistance
- Reduces the energy consumption of air conditioning systems (see following example)

Example calculation for energy saving:
- Door width 960 mm
- Pressure difference between indoor and outdoor 10 Pa, room temperature of 25 °C and relative humidity of 90%, outdoor temperature of 35 °C and relative humidity of 70%)

The sealing profile is pressed automatically against the floor or engages with a sill as the door is closed. Door seals can be distinguished between retractable seals and sill seals. Sill seals are always used in combination with a threshold, it is, however, recommended to use retractable seals also in combination with a threshold in case of carpet fitted floors or butt joints with different floor coverings.
Retractable door seals are available with single-side or double-side release mechanism. Seals with single-side release (for double doors) are released on the hinge side or on the lock side, depending on the model. Double-side release always means release on the hinge and on the lock side. With double-side release seals, the sealing profile is raised and lowered faster, which prolongs its service life considerably.



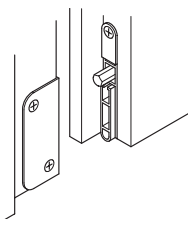
Without seal: Leakage rate approx. 41 m³/hr

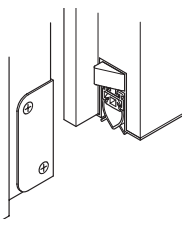


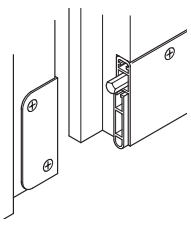
With seal: Leakage rate approx. 2 m³/hr

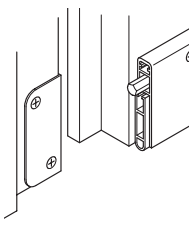
The sealing profile material (PVC or silicone) is mainly governed by the area in which the door is applied. High quality, self-extinguishing silicone seals are used for fire resistant and smoke control doors.

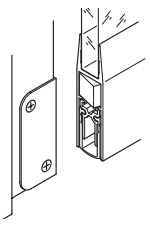
Mounting options: Automatic door seals can be fitted in different ways depending on the model and application

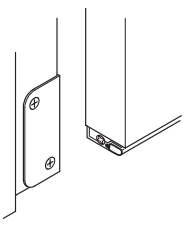

Full mortise fitting with fixing brackets


Full mortise fitting and face fixing


Recessed fitting


Screw fixing


Clamping and/or glue fixing (glass)


Face fixing

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Retractable door seal Startec



Features

- Protection against cold, draught and vermin
- Reduces the energy consumption of air conditioning systems
- Reduces light leakage
- For soundproofing doors (DIN 4109)
- For smoke control doors according to EN 1634-3
- For fire resistant doors according to EN 1634-1
- For full mortise fitting
- Suitable for DIN left hand and DIN right hand
- Optional with single-side or double-side release
- Can be prepared for locking bolts or lever action flush bolts
- Rostproof internal mechanism and anodized carrier

Technical data

- Max. sealing height: 12 mm
- Double-side release can be cut to max.: 100 mm
- Required groove: 20 x 30 mm
- Sound proofing level with air gap 7 mm: 49 dB

Material/Finish

- Carrier: Aluminium anodized
- Seal profile: Silicone grey, self-extinguishing

Supplied with

1 Retractable door seal

2 Fixing brackets with screws

Single-side release: 1 Release plate with screw

Double-side release: 2 Release plate with screw

Length mm	Can be cut to max. mm	Cat. No.
Single-side release		
630	584	950.05.910
730	639	950.05.911
830	708	950.05.912
930	833	950.05.913
1,030	958	950.05.914
1,130	1,083	950.05.915
Double-side release		
730	630	950.05.921
830	730	950.05.922
930	830	950.05.923
1,030	930	950.05.924
1,130	1,030	950.05.925

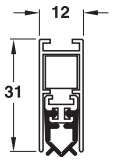
Packing : 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Retractable door seal StarTec







Features

- Protection against cold, draught and vermin
- Reduces the energy consumption of air conditioning systems
- Reduces light leakage
- For soundproofing doors
- For full mortise fitting with fixing bracket
- Suitable for DIN left hand and DIN right hand
- Single-side release

Technical data

- Max. sealing height: 11 mm
- Can be shortened at one end by max.: 100 mm
- Required groove width: 12 x 31 mm

Material/Finish

- Carrier: Aluminium
- Seal profile: Silicone grey, self-extinguishing

Supplied with

1 Retractable door seal
2 Fixing brackets with screws
1 Release plate with screw

Length mm	Cat. No.
630	950.05.900
730	950.05.901
830	950.05.902
930	950.05.903
1,030	950.05.904
1,130	950.05.905

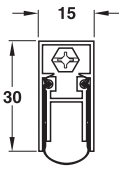
Packing : 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Schall-Ex L-15/30 Retractable door seal





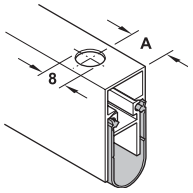


Order reference

Optionally available:

- Single-side release version: Prepared for driving bolt (Ø 8 mm), please specify dim. A





- Lever action flush bolt solution (optional)



Features

- Protection against cold, draught and vermin
- Reduces the energy consumption of air conditioning systems
- Reduces light leakage
- For soundproofing doors (DIN 4109)
- For smoke control doors according to EN 1634-3
- For fire resistant doors according to EN 1634-1
- For full mortise fitting with fixing bracket
- Single-side release
- Suitable for DIN left hand and DIN right hand

Technical data

- Max. sealing height: 14 mm
- Can be shortened at one end by max.: 125 mm
- Required groove: 15 x 30 mm
- Sound proofing level with air gap 6 mm: 51 dB
- Sound proofing level with air gap 7 mm: 50 dB

Material/Finish

- Carrier: Aluminium bright
- Seal profile: Silicone grey, self-extinguishing

Supplied with

1 Retractable door seal
2 Fixing brackets with screws
1 Release plate with screw

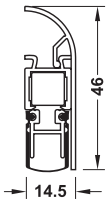
Length mm	Cat. No.
583	950.05.510
708	950.05.511
833	950.05.512
958	950.05.513
1,083	950.05.514
1,208	950.05.515

Packing : 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Schall-EX® Applic Retractable door seal





Soundproofing without grooves
For retrofitted smoke control

Features

- Protection against cold, draught and vermin
- Reduces the energy consumption of air conditioning systems
- For soundproofing doors (DIN 4109)
- For smoke control doors according to EN 1634-3
- For fire resistant doors according to EN 1634-1
- Single-side release (hinge side)
- Suitable for DIN left hand and DIN right hand
- For screw fixing on push side
- Can be retrofitted on push side
- Cover profile is clipped into the screw fixed sealing profile

Technical data

- Max. sealing height: 11 mm
- Can be shortened at one end by max.: 125 mm

Material/Finish

- Cover profile: Aluminium
- Seal profile: Silicone grey, self-extinguishing

Supplied with

1 Retractable door seal
1 Cover profile
1 Release plate with screw
5 Countersunk head screws, galvanized

Length mm	Cat. No.
Silver coloured anodized	
805	950.15.500
930	950.15.501
1,055	950.15.502
White, RAL 9016	
805	950.15.510
930	950.15.511
1,055	950.15.512

Packing : 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Wind-Ex US Retractable door seal





Features

- Protection against cold, draught and vermin
- Single-side release
- Suitable for DIN left hand and DIN right hand
- Concealed, from underneath to door leaf
- Can be retrofitted
- Cover profile is clipped into the screw fixed sealing profile

Technical data

- Max. sealing height: 11 mm
- Can be shortened at one end by max.: 125 mm

Material/Finish

- Carrier and cover profile: Aluminium
- Seal profile: PVC grey

Supplied with

1 Retractable door seal
1 Cover profile
1 Pressure plate
6 Chipboard screws 3 x 16 mm
1 Strike block
2 Surface mounted covers
1 Countersunk head screw 4.2 x 50 mm

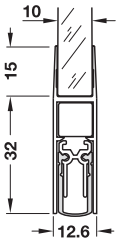
Length mm	Cat. No.
Silver coloured anodized	
735	950.07.820
860	950.07.821
985	950.07.822
1,110	950.07.823
White RAL 9016	
735	950.07.840
860	950.07.841
985	950.07.842
1,110	950.07.843
Dark bronze anodized	
735	950.07.830
860	950.07.831
985	950.07.832
1,110	950.07.833

Packing : 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Schall-Ex GS-H Retractable door seal





Features

- Protection against cold, draught and vermin
- For glass doors where sound proofing, smoke resistance are required
- Single-side release
- Suitable for DIN left hand and DIN right hand
- For bonding with silicone, when bonding to laminated glass panes only and sealants approved by the glass manufacturer

Technical Data

- Max. sealing height: 11 mm
- Can be shortened at one end by max.: 125 mm
- For glass thickness: 10 mm
- Installation must be carried out on the opening glass height = door height – 32 mm,

Material/Finish

- Carrier: Aluminium stainless steel coloured anodized
- Seal profile: Silicone grey, self-extinguishing

Supplied with

1 Retractable door seal

1 Release plate with screw

1 Set of installation instructions

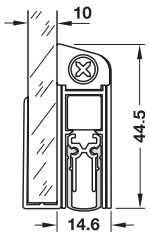
Length mm	Cat. No.
708	950.15.461
833	950.15.462
958	950.15.463
1,083	950.15.464
1,208	950.15.465

Packing : 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Schall-Ex GS Retractable door seal





Features

- Protection against cold, draught and vermin
- For glass doors where sound proofing, smoke control and fire resistance are required
- Single-side release
- Suitable for DIN left hand and DIN right hand
- For bonding with silicone, when bonding to laminated glass panes only and sealants approved by the glass manufacturer

Technical data

- Max. sealing height: 11 mm
- Can be shortened at one end by max.: 125 mm
- For glass thickness: 10 mm
- Installation must be carried out on the opening side

Material/Finish

- Carrier: Aluminium stainless steel coloured anodized
- Seal profile: Silicone grey, self-extinguishing

Supplied with

1 Retractable door seal
1 Release plate with screw
1 Set of installation instructions

Length mm	Cat. No.
708	950.15.441
833	950.15.442
958	950.15.443
1,083	950.15.444
1,208	950.15.445

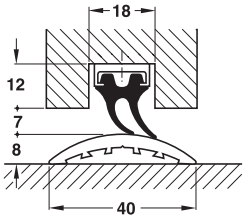
Packing : 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sill seal



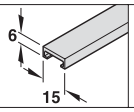
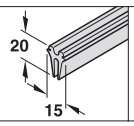
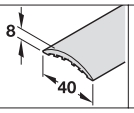
Installation



Housing for sealing strip is screwed on
Sill track is screwed and/or glued on

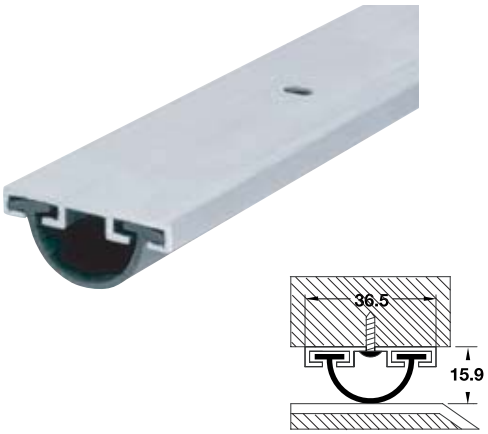
Features

- Protection against cold, draft and vermin
- For soundproofing doors
- Required groove: 18 x 12 mm

	Material	Finish	Packing m	Cat. No.
Housing				
	Aluminium	Bright	2.55	950.07.418
			5.25	950.07.415
Twin sealing strip, blade type				
	EPDM*	Black	2.5	950.07.421
			5.0	950.07.422
Sill track				
	Aluminium	Bright	2.55	950.07.420
			5.25	950.07.416

* EPDM = Ethylene propylene diene monomer

Sill protection sweep door seal StarTec



Features

- Protection against cold, draft and vermin
- For surface mounting under door bottom

Material/Finish

- Housing: Aluminium mill finish
- Seal: Solid neoprene black

Length mm	Cat. No.
1,000	950.13.011
2,000	950.13.012

Packing : 1 pc. supplied with fixing material

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Weather seal, brush type StarTec



Features

- Protection against cold, draught and vermin
- For mortise fixing or face fixing

Technical data

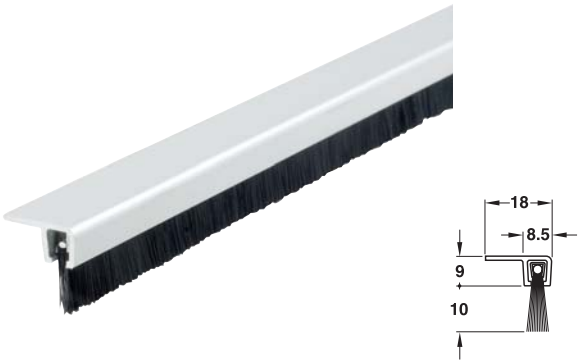
- Total height: 50 mm
- Brush height: 25 mm

Material/Finish

- Filaments: Polyamide black
- Carrier: Aluminium silver coloured anodized

Length mm	Cat. No.
1,000	950.06.085
1,250	950.06.087
2,000	950.06.088

Packing : 1 pc.



Features

- Protection against cold, draught and vermin
- Screw fixing underneath

Technical data

- Total height: 19 mm
- Brush height: 10 mm

Material/Finish

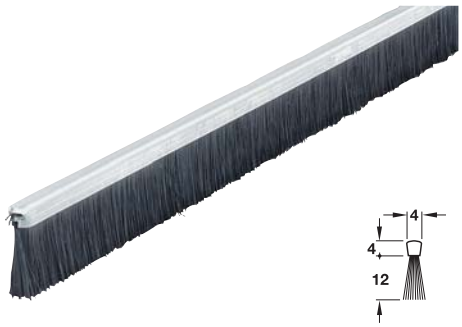
- Filaments: Polyamide black
- Carrier: Aluminium silver coloured anodized

Length mm	Cat. No.
1,000	950.06.120
1,250	950.06.122
2,000	950.06.123

Packing : 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Weather seal, brush type StarTec



Features

- Protection against cold, draught and vermin
- For mortise fixing

Technical Data

- Total height: 16 mm
- Brush height: 12 mm

Material/Finish

- Filaments: Polyamide black
- Carrier: Sheet steel galvanized

Length mm	Cat. No.
1,000	950.06.090
1,250	950.06.092
2,000	950.06.093

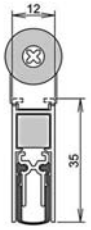
Packing : 1 pc.

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Sliding door seal StarTec



Sliding door with magnet



With magnet



Without magnet

Features

- For sliding doors without locking mechanism
- Release power only 20 N/m
- Protection against heat, draught and vermin
- Reduced the energy consumption of air conditioning systems
- Reduces light leakage
- Full mortised fitting

Technical data

- Max. sealing height 11 mm
- Groove width without floor guide 12 mm
- Groove width with floor guide 17 mm
- Minimum door thickness 34 mm
- Can be shortened on one side to 125 mm

Material/Finish

- Sliding door seal: Aluminium silver coloured

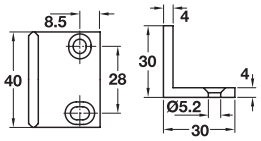
Supplied with

1 Door seal

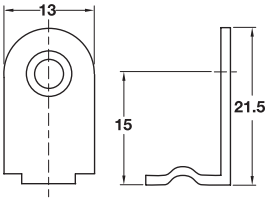
1 Fixing set with magnet

Length mm	Double-side release
833	950.05.242
958	950.05.243
1,083	950.05.244
1,208	950.05.245

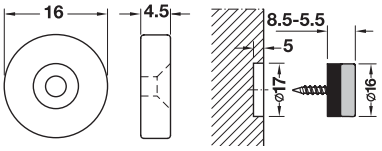
Accessories



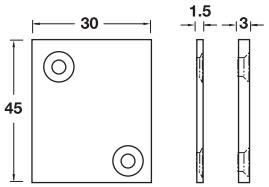
Version	Cat. No.
Floor guide, black	950.05.180



Version	Cat. No.
Additional fixing set for sliding door without magnet (lock required)	950.05.181



Version	Cat. No.
Additional magnet on top side, provides exact alignment of door when closed (holding force 70N)	950.05.182



Version	Cat. No.
Additional press plate for magnet	950.05.183

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Complete seal system for glass sliding doors

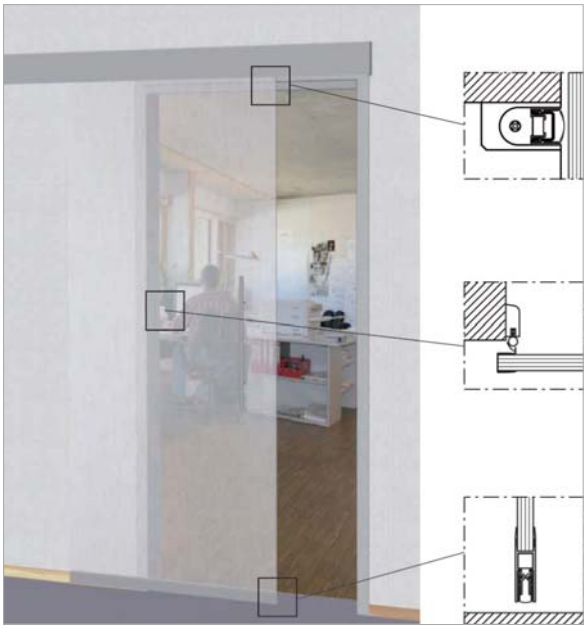
The complete sealing system for all-glass sliding doors.
For increased sound insulation, draught proofing and smoke control.

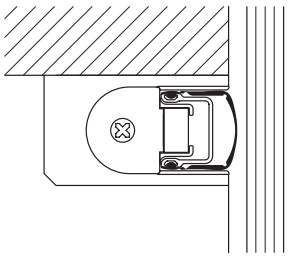
System consists of

- Top: Schall-Ex Slide
- Side: 2 x Sealing strips with silicon profile, 1 x door profile
- Bottom: Schall-Ex Slide

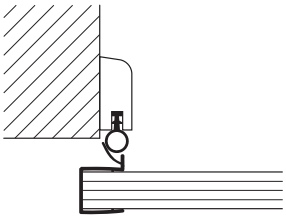
Note

Please provide us with a CAD data record of the horizontal and vertical section in DXF or DWG format for individual planning.

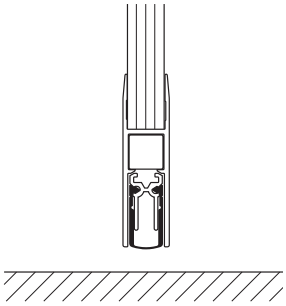




Top door seal at top edge of frame



Lateral seal at outer edge



Door seal at bottom of door

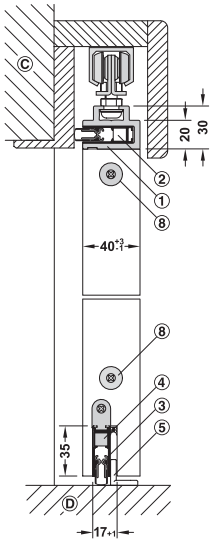
Example

System for door with frame opening dimensions 2 x 1 m	All-glass sliding door running in front of the wall
Top door seal	Schall-Ex Slide L-24/20 WS with mounting bracket
Lateral seal	2 x 2 m Unitherm sealing strips with silicon profile
Door profile	1 x 2 m Plastic profile, for clip fixing
Door guide	Guide for wall mounting
Bottom door seal	Schall-Ex Slide GS H-10
Accessories	1 Pair of top and bottom release elements

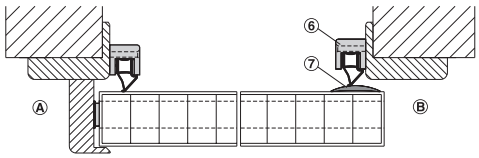
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Complete seal system for wooden sliding door





Increased sound insulation, draught and smoke control



Type VHH		Door leaf 2,000 x 985 mm
1	Slide adapter-12, prepared for roller equipment, with M8 connection, max. door weight 80 kg	985 mm
2	Schall-Ex Slide M-12 SLA	985 mm
3	Rubber seal	1,000 mm
4	Schall-Ex Slide & Lock M-20 WS	985 mm
5	Floor guide	1 pc.
6	Unitherm Slide 22/22	2 x 2 m
7	Threshold	2 m
8	Additional magnet	1 pc.

Features

- For trolley hangers with M8 connection

Technical data

- Max. door weight: 80 kg
- Max. door width: 1,605 mm

Supplied with

1 Slide adapter 12
2 Schall-Ex Slide M-12 SLA
1 Slide 5 compensation seal
1 Floor guide
2 Magnets

Type	Length mm	Cat. No.
NR-30 finger protection blind system		
VHH-Set M12	708	950.15.551
	833	950.15.552
	958	950.15.553
	1,083	950.15.554
	1,208	950.15.555
Optional		
Unitherm slide 22/22	2,000	950.15.561
	2,500	950.15.562
Threshold	2,000	950.15.571
	2,500	950.15.572
Magnet	–	950.15.182

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Finger protection blind system NR-30



Concealed screws
Clip fixing

Features

- For door gap between door and frame on hinge side
- For interior doors
- Suitable for smoke control and fire resistant doors
- The roller blind is kept under constant tension by the spring force

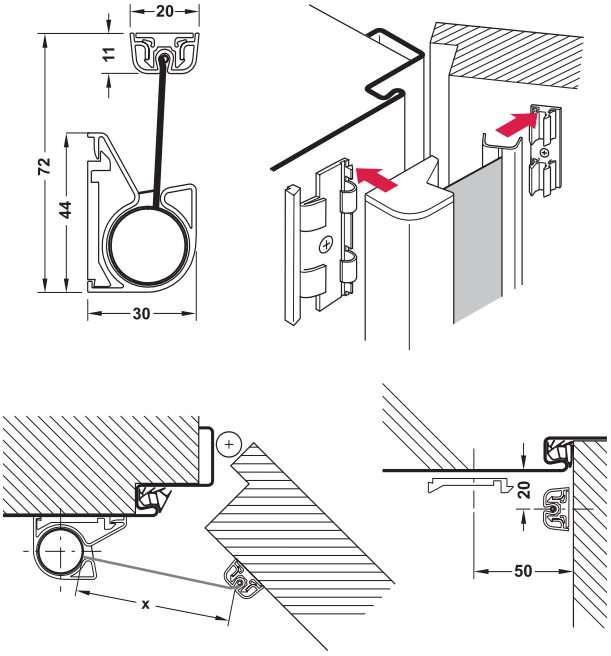
Technical data

- Length: 1,925 mm = available length for standard doors, (2,000 mm =max. available length), cannot be shortened

Material/Finish

- Profile/housing: Aluminium silver coloured anodized
- Blind: Synthetic fibre black

Version	Cat. No.
NR-30 finger protection blind system	950.15.227

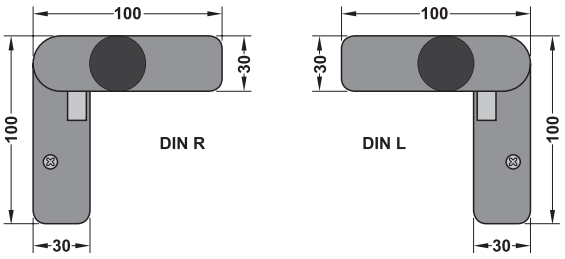


x = max. blind length 260 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Finger protection system HW 100





DIN right DIN left

Features

- For rebated and flush doors
- Safety function – to automatically prevent the door from unintentional closing

Technical Data

- For screw fixing, > 32 mm front of door frame

Material/Finish

- Aluminium stainless steel coloured anodized

Supplied with

1 Finger protection system
1 Set of mounting material

Mounting	Cat. No.
DIN left	950.15.277
DIN right	950.15.287

Functionality



Finger protection function



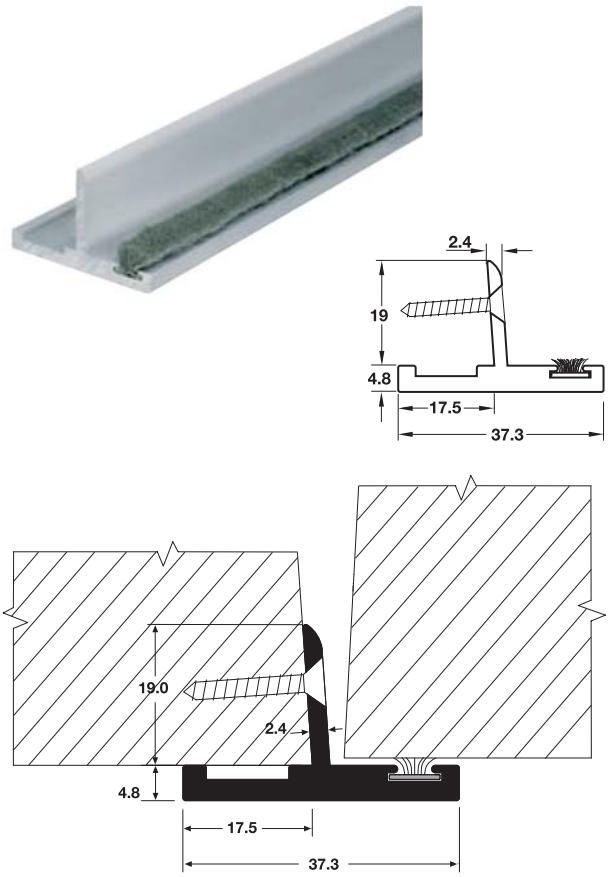
Finger protection deactivated



Finger protection activated

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Meeting stile astragal StarTec



Features

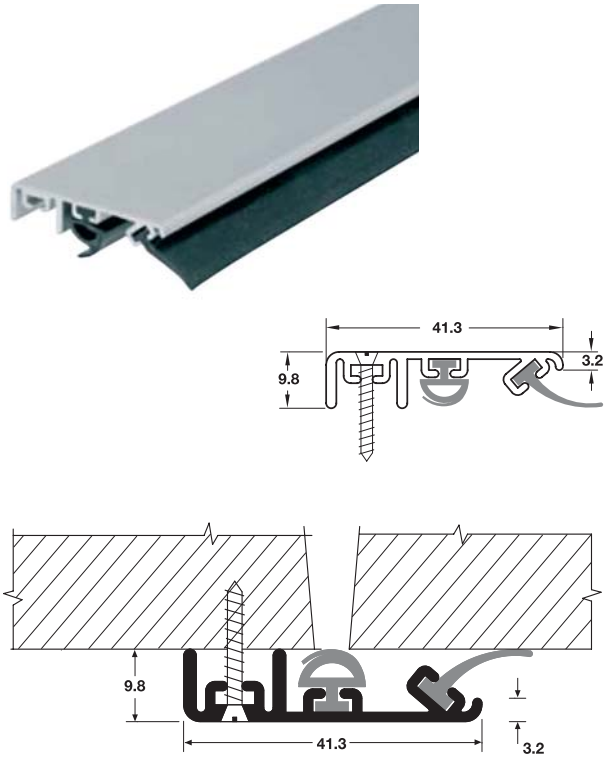
- For fixing to lock stile of the active leaf on a pair of double doors

Material

- Housing: Aluminium clear anodized
- Brush seal: Polypropylene grey

Length mm	Cat. No.
2,250	950.13.002
2,750	950.13.003

Packing: 1 pc. including fixing screws



Features

- For fixing to lock stile of active leaf on a pair of double doors

Material

- Housing: Aluminium clear anodized
- Seal: Solid neoprene black

Length mm	Cat. No.
2,250	950.13.222
2,750	950.13.223

Packing: 1 pc. including fixing screws

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Rebate seals

Fixing methods

Rebate seals are mounted in the groove of the frame or door. Depending on the type, the bottom part of the seal is inserted directly into the groove (Fig. 1) or the seal must be fitted with a housing (Fig. 2).

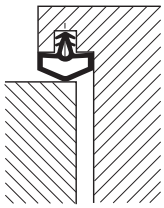


Fig. 1

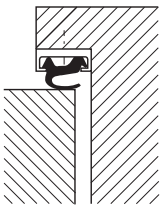


Fig. 2

Sealing shape

For rebated or flush doors are generally two different kind of seals used. Fig. 3 is the standard seal for rebated doors. If this seal in used for flush doors the turning point is changed. The door edge will slide over the surface of the sealing. The closing are difficult. The seal in Fig. 4 is special developed for flush doors. Here the edge will flap down the nose of the door seal.

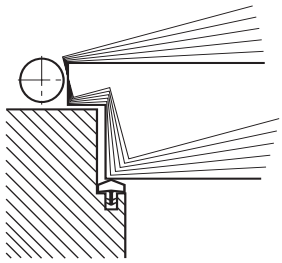


Fig. 3

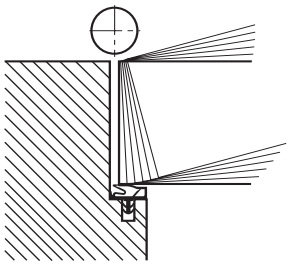


Fig. 4

Paint compatibility

Sealing profiles which are painted over or used for renovation purposes must always be tested for their compatibility with the lacquer. Irrespective of the specifications for paint compatibility, testing should always be carried out.

Material - PVC

- Modified elastic polymer

Features

- Good physical properties
- Highly flexible
- Resistant to aging, weathering and ozone
- Weldable
- For indoor use

Material - TPE

- Thermoplastic elastomer

Features

- Good physical and thermal properties
- No migration of plasticizers
- Resistant to aging, weathering and ozone
- Weldable
- For indoor and outdoor use

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Rebate seal StarTec



Concealed fixing of housing with clips



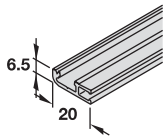
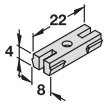
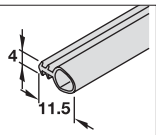
Housing is screwed on

Features

- Protection against cold and draughts
- Retrofitted seal for existing doors

Note

Seal for rebated door available as individual parts only, not as a set.

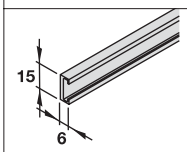
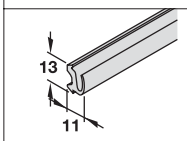
	Material/finish	Packing	Cat. No.
Housing for sealing strip			
	Aluminium silver coloured anodized	5.25 m	950.07.417
Clips			
	Plastic white	25 pcs.	950.07.405
Sealing strip, bulb type			
	Plastic black	5.0 m	950.07.423

Features

- Protection against cold and draughts
- Seal for new installations

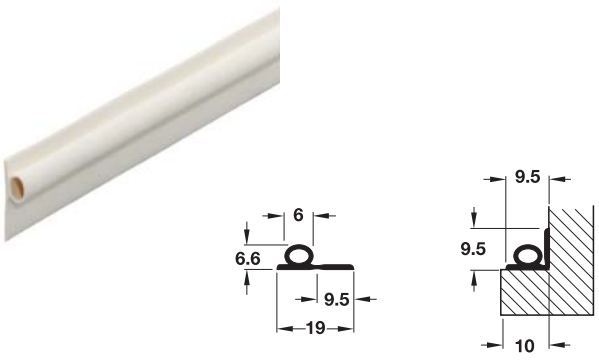
Note

Seal for rebated door available as individual parts only, not as a set.

	Material/finish	Packing	Cat. No.
Housing for sealing strip			
	Aluminium bright	5.25 m	950.07.415
Seal strip, blade type			
	Plastic black	5.0 m	950.07.424

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Internal door seal StarTec



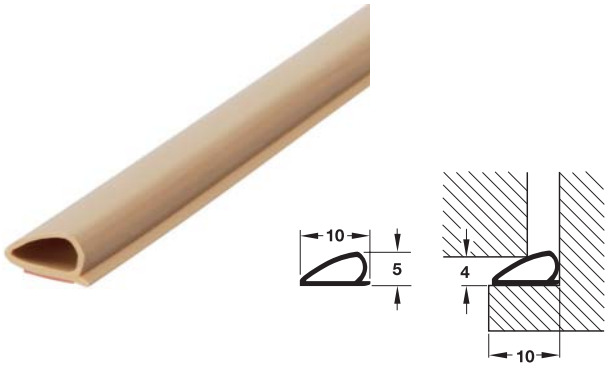
Features
- Protection against cold and draughts
- Suitable for water-based and solvent-based lacquers
- Self-adhesive

Material
- Thermoplastic elastomer (TPE)

Installation
- Seal gap: 5 mm
- Rebate width: 10 mm

Colour	Cat. No.
White	950.07.720
Black	950.07.721
Dark brown	950.07.722
Beige	950.07.723

Packing: 100 m



Features
- For renovation of doors and windows
- Protection against cold and draughts
- Self adhesive fixing

Material
- Thermoplastic elastomer (TPE)

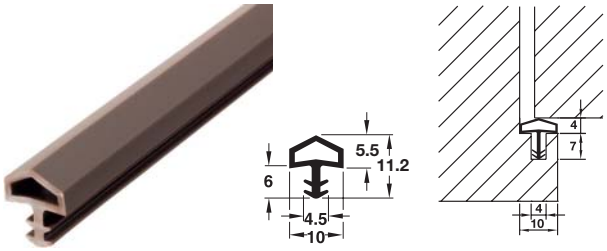
Installation
- Seal gap: 4 mm
- Width: 10 mm

Colour	Cat. No.
White	950.10.397
Brown	950.10.391
Beige	950.10.394

Packing: 6 m

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Internal door seal StarTec



Features

- Protection against cold and draughts
- For rebated doors
- Not suitable for lacquer or alkyd resin lacquer

Material

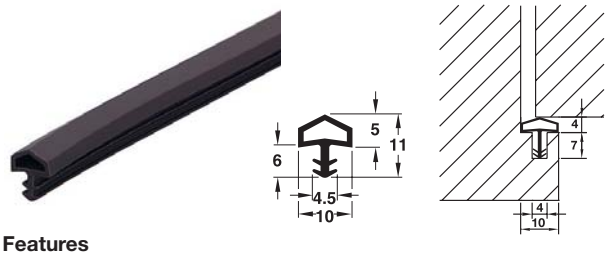
- Modified elastic polymer (PVC)

Installation

- Seal gap: 4 mm
- Rebate width: 10 mm

Colour	Cat. No.
White	950.10.307
Black	950.10.303
Dark brown	950.10.302
Brown	950.10.301
Beige	950.10.304

Packing: 25 m



Features

- Protection against cold and draughts
- Not suitable for PVC lacquer or acrylic resin lacquer
- The suitability of the material, in connection with the door element, for the application concerned must be proved by individual control

Material

- Modified elastic polymer (PVC)

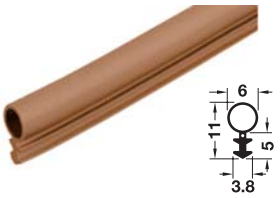
Installation

- Seal gap: 4 mm
- Rebate width: 10 mm

Colour	Cat. No.
Dark brown	950.07.717

Packing: 50 m

Frame seal



Features

- Suitable for windows and doors

Material

- Silicone

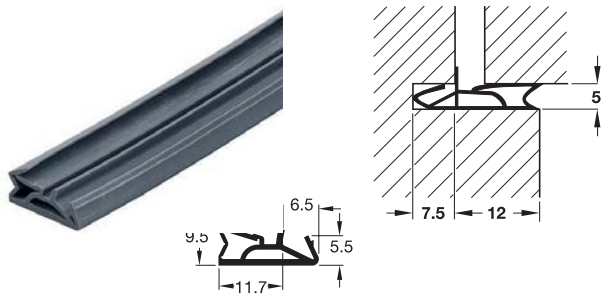
Installation

- Seal gap: 4 mm
- Groove: 3 x 5.5 mm

Colour	Cat. No.
White	950.07.777
Black	950.07.773
Beige	950.07.774

Packing: 25 m

Entrance door seal StarTec



Features

- Protection against cold and draughts
- Compatible with water-based and solvent-based lacquer

Material

- Thermoplastic elastomer (TPE)

Installation

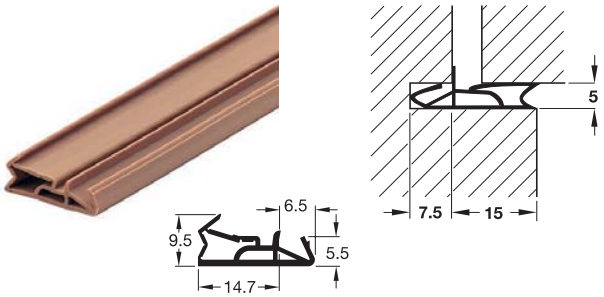
- Seal gap: 5 mm
- Rebate width: 12 mm

Colour	Cat. No.
Black	950.07.641
Dark brown	950.07.642

Packing: 25 m

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Entrance door seal StarTec



Features

- Protection against cold and draughts
- Compatible with water-based and solvent-based lacquer

Material

- Thermoplastic elastomer (TPE)

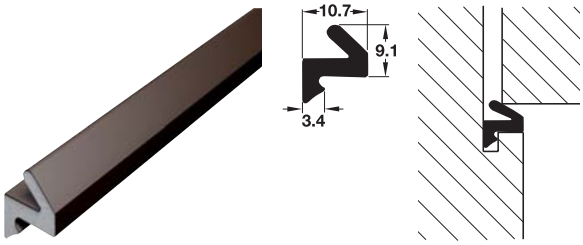
Installation

- Seal gap: 5 mm
- Rebate width: 15 mm

Colour	Cat. No.
White	950.07.650
Black	950.07.651
Dark brown	950.07.652
Beige	950.07.653

Packing: 25 m

Frame seal StarTec



Features

- Protection against cold and draughts
- For flush doors
- Not suitable for acrylic lacquer or alkyd resin lacquer

Material

- Modified elastic polymer (PVC)

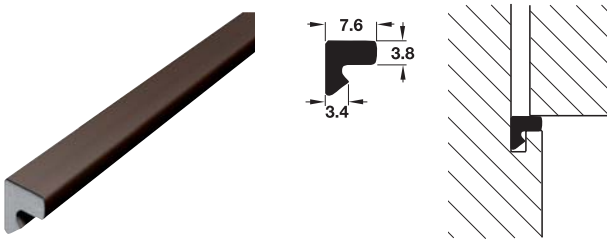
Installation

- Seal gap: 5–7.5 mm
- Put in the slot

Colour	Cat. No.
Dark brown	950.06.201
White	950.06.207

Packing: 250 m

Door seal StarTec



Features

- Protection against cold and draughts
- For rebated doors
- Not suitable for acrylic lacquer or alkyd resin lacquer

Material

- Modified elastic polymer (PVC)

Installation

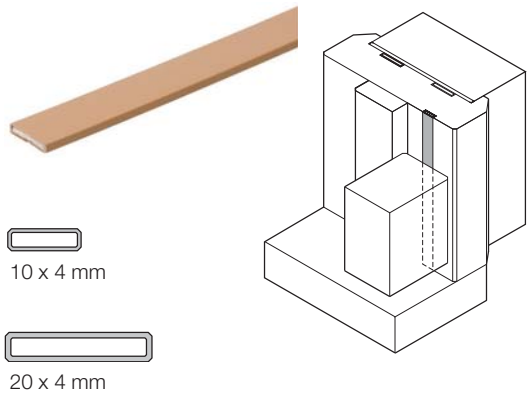
- Seal gap: 2–3 mm
- Put in the slot

Colour	Thickness mm	Cat. No.
Dark brown	3	950.06.211
	6	950.06.711
	10	950.06.721
White	3	950.06.217
	6	950.06.717
	10	950.06.727

Packing: 350 m

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fire rated door seal



Features
- For sealing of air gap between edges of door leaves and frames
- Fire seal only
- Expands substantially when exposed to hot temperatures
- Self-adhesive

Material
- Graphite based

Note

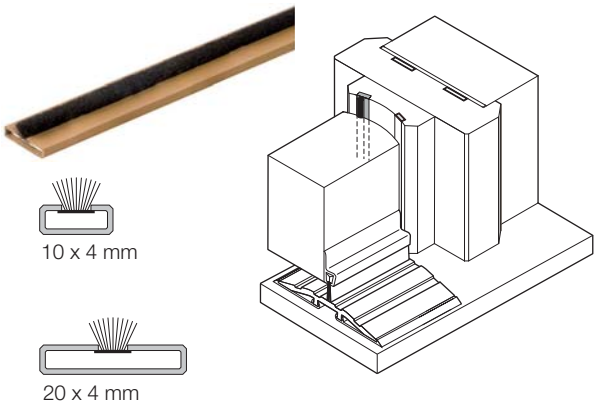
All products contain expandable graphite particles that are not affected by moisture or carbon dioxide.

The applicable national and international guidelines, standards, approvals and other relevant regulations with regard to smoke control and fire resistance have to be taken into consideration in order to guarantee the fire resisting properties of the element.

Fire resistance in min	Width mm	Dark brown	Light brown
30	10	950.11.031	950.11.030
60	20	950.11.041	950.11.040

Packing: 2,000 mm

Fire and smoke seal



Features
- For sealing of air gap between edges of door leaves and frames
- Fire and smoke seal
- Expands substantially when exposed to hot temperatures
- Self-adhesive

Material
- Graphite based

Note

All products contain expandable graphite particles that are not affected by moisture or carbon dioxide.

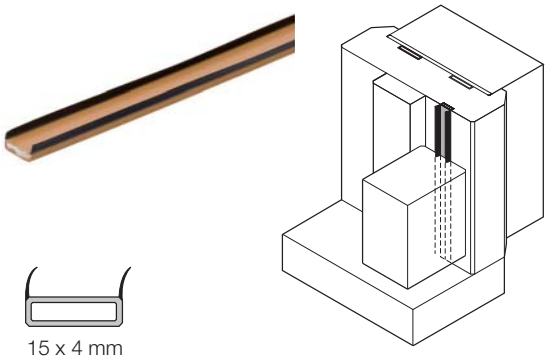
The applicable national and international guidelines, standards, approvals and other relevant regulations with regard to smoke control and fire resistance have to be taken into consideration in order to guarantee the fire resisting properties of the element.

Fire resistance in min	Width mm	Dark brown	Light brown
30	10	950.11.051	950.11.050
60	20	950.11.061	950.11.060

Packing: 2,000 mm

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Fire, smoke and acoustic seal



15 x 4 mm

Features

- For sealing of air gap between edges of door leaves and frames
- Fire and smoke seal
- Expands substantially when exposed to hot temperatures
- Self-adhesive

Material

- Graphite based

Note

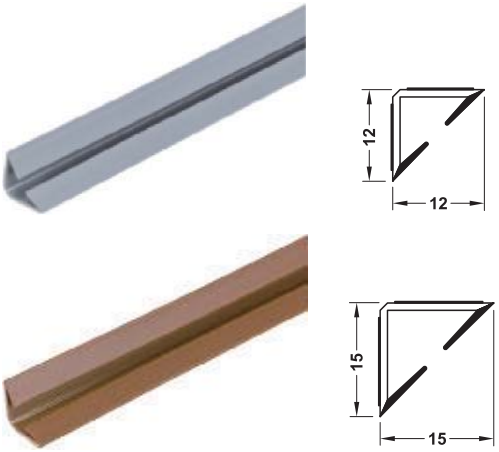
All products contain expandable graphite particles that are not affected by moisture or carbon dioxide.

The applicable national and international guidelines, standards, approvals and other relevant regulations with regard to smoke control and fire resistance have to be taken into consideration in order to guarantee the fire resisting properties of the element.

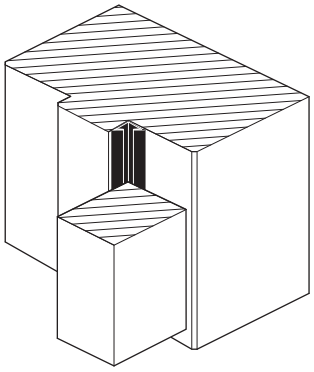
Width mm	Dark brown	Light brown
15	950.11.071	950.11.070

Packing: 2,000 mm

Fire rated door seal



Installation



Features

- For sealing of air gap between edges of door leaves and frames
- Fire resistant/smoke control and soundproofing doors (BS EN ISO 140-3:1995)
- Self-adhesive

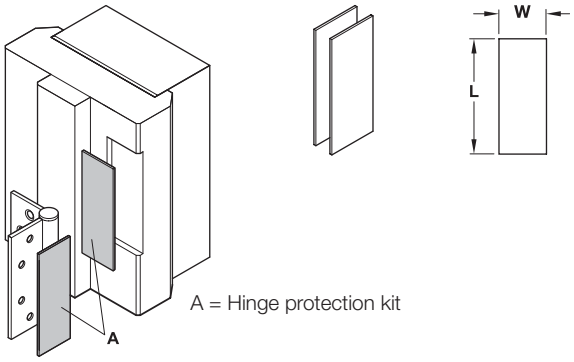
Material

- PVC

Width mm	Length mm	Brown	Grey
12	1,000	950.11.131	950.11.135
	2,100	950.11.141	950.11.145
	2,400	950.11.151	950.11.155
15	1,000	950.11.161	950.11.165
	2,100	950.11.171	950.11.175
	2,400	950.11.181	950.11.185

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Intumescent fire protection kit for door hinges



A = Hinge protection kit

Features

- For sealing of air gap between edges of door leaves and frames
- Providing fire resistance of up to 60 minutes
- Shaped pads of intumescent material, self-adhesive, cut to size
- Replaces intumescent mastic or paste
- Expands substantially when exposed to hot temperatures for protection of mortise lock

Material

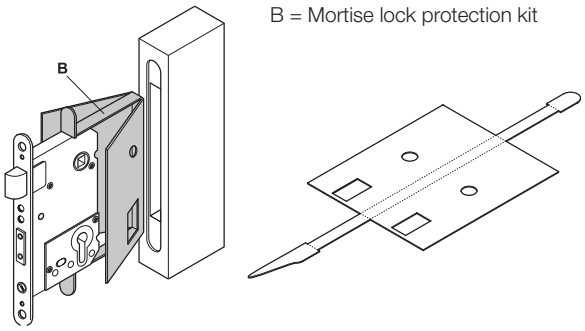
- Graphite based

Note

The installation must comply with specifications and testing must have been carried out in accordance with EN 1634 in order to guarantee the fire resisting properties of the door. The applicable national and international guidelines, standards, approvals and other relevant regulations with regard to smoke control and fire resistance also have to be taken into consideration.

Dimensions (L x W) mm	Material thickness mm	Cat. No.
76 x 31	2	950.11.085
102 x 30		950.11.087
102 x 36		950.11.097
102 x 42		950.11.107
127 x 37		950.11.119
114 x 43		950.11.117
114 x 48		950.11.118

Intumescent fire protection kit for mortise locks



B = Mortise lock protection kit

Features

- For sealing of air gap between edges of door leaves and frames
- Providing fire resistance of up to 30 or 60 (thickness 2 mm) minutes
- For standard DIN mortise locks
- Shaped pads of intumescent material, self-adhesive, cut to size
- Replaces intumescent mastic or paste
- Expands substantially when exposed to hot temperatures for protection of mortise lock

Installation

- Backset: 55 mm
- Distance: 72 mm

Material

- Graphite based

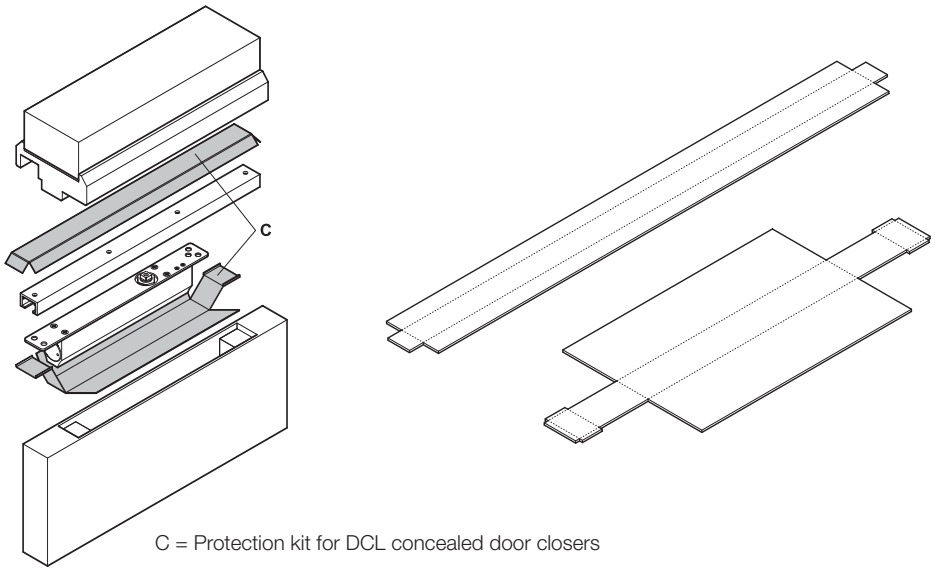
Note

The installation must comply with specifications and testing must have been carried out in accordance with EN 1634 in order to guarantee the fire resisting properties of the door. The applicable national and international guidelines, standards, approvals and other relevant regulations with regard to smoke control and fire resistance also have to be taken into consideration.

Dimensions (L x W) mm	Material thickness mm	Cat. No.
165 x 90	1	950.11.010
	2	950.11.011

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Intumescent fire protection kit for DCL concealed door closers



C = Protection kit for DCL concealed door closers

Note

The installation must comply with specifications and the testing must be carried out in accordance with EN 1634 in order to guarantee the fire resisting properties of the door. The applicable national and international guidelines, standards, approvals and all other relevant regulations regarding smoke control and fire resistance have to be considered.

Insulation against heat transfer is provided as soon as the intumescent material is activated.

Concealed, hydraulic door closers should not be fitted to fire resistant doors without appropriate protection measures.

Important because of of following:

- During the installation it is required to cut away a large part of the door which immediately reduces the fire resistance
- Many models contain flammable hydraulic oil
- Made of materials which are very good heat conductors
- Aluminium housings could melt in intense heat
- Needs a significant part of the available door leaf thickness

Features

- For sealing of air gap between edges of door leaves and frames
- Providing fire resistance of up to 60 minutes
- Shaped pads of intumescent material, self-adhesive, cut to size and notched
- Replaces intumescent mastic or paste
- Expands substantially when exposed to hot temperatures for protection of door closer

Material

- Graphite based

Model	Material thickness mm	Cat. No.
DCL 33	2	950.11.123
DCL 34		950.11.124

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Glaze retouching pen



- Area of application: For repairs and correction of wood surfaces
- Contents: 12 pens

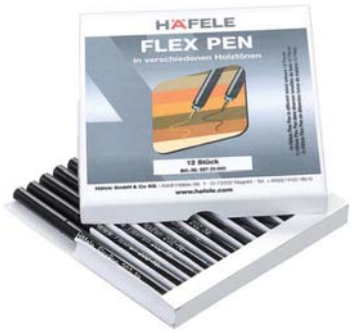
Colour	Cat. No.
Different wood colours	007.33.012

Packing: 1 set

Set consists of 1 each pen:

- Marple/birch/ash
- Beech, nature
- Oak, rustic
- Cherry, light
- Cherry, nature
- Mahogany, reddish
- Walnut, light
- Walnut, dark
- Elm, light
- Teak

Flex-Pen Glaze retouching pen



- Area of application: For repairs and correction of wood surfaces
- Version: With extremely fine tip
- Contents: 12 pens

Colour	Cat. No.
Different wood colours	007.33.025

Packing: 1 set

Set consists of 1 each pen:

- Marple/birch/ash
- Beech, nature
- Oak, rustic
- Cherry, light
- Cherry, nature
- Mahogany, reddish
- Walnut, light
- Walnut, dark
- Elm, light
- Teak

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Soft wax assortment



- Area of application: For repairs and correction of wood surfaces
- Contents: 20 bars

Colour	Cat. No.
White to black 	007.30.060
Upholstery colors 	007.30.070
Light wood colours 	007.30.080

Packing: 1 set

Hard wax basic colours



- Area of application: For repairs and correction of wood surfaces whith heavy duty
- Contents: 20 bars
- Light resistant and recoatable

Colour	Cat. No.
Different wood colours	007.31.001

Packing: 1 set

Set consists of 1 each pen:

- Marple
- Birch
- Beech
- Beech, nature
- Beech, dark
- Oak, nature
- Oak, light
- Oak, medium
- Alder
- Ash
- Cherry, light
- Cherry, medium
- Mahogany, brown
- Mahogany, reddish
- Walnut, light
- Walnut, medium
- Walnut, dark
- Lightgrey
- White
- Black

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Hard wax trend colours



- Area of application: For repairs and correction of wood surfaces whith heavy duty
- Contents: 20 bars
- Light resistant and recoatable

Colour	Cat. No.
Different wood colours	007.31.002

Packing: 1 set

Set consists of 1 pen each:

- Ash
- Oak, medium
- Limba, light
- Beech, light
- Birch
- Oak, nature
- Oak, rustic light
- Ash, nature
- Alder, brown
- Pine, antique
- Beech
- Alder
- Cherry
- Cherry, medium
- Cremewhite
- Larch
- Cherry, reddish
- Oak, nature
- Oak, dark
- Oak, light

Battery smelter



Supplied with

1 Melting device
2 Batteries AA
1 Installation manual

Area of application	Cat. No.
For processing of hard wax	007.31.090

Packing: 1 set

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

PZ-Bits



- Length: 25 mm
- Drive: 1/4”

Size	Screw Ø mm	Cat. No.
PZ1	3	006.37.121
PZ2	3.5–5	006.37.122
PZ3	6	006.37.123

Packing: 1 or 10 pcs.

PZ-Bits, long



- Length: 50 mm
- Drive: 1/4”

Size	Screw Ø mm	Cat. No.
PZ1	3	006.37.131
PZ2	3.5–5	006.37.132
PZ3	6	006.37.133

Packing: 1 or 10 pcs.

PH-Bits



- Length: 25 mm
- Drive: 1/4”

Size	Screw Ø mm	Cat. No.
PH1	2.2–2.9	006.37.101
PH2	3.5–4.8	006.37.102
PH3	5.5–6.3	006.37.103

Packing: 1 or 10 pcs.

TS-Bits



- Length: 25 mm

Size	Cat. No.
TS10	006.37.141
TS15	006.37.142
TS20	006.37.143
TS25	006.37.144
TS30	006.37.145
TS40	006.37.146

Packing: 1 or 10 pcs.

Hexagon socket ball head bit



- Area of application: Particularly for screws that are difficult to access
- Length: 38 mm
- Drive: 1/4”
- Characteristics: For screwing action at an angle of 25°

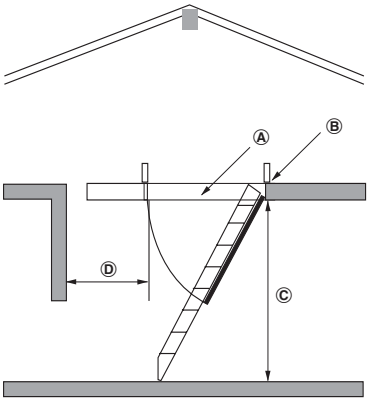
Size	Cat. No.
SW2	006.37.181
SW2.5	006.37.182
SW3	006.37.183
SW4	006.37.184
SW5	006.37.185
SW6	006.37.186

Packing: 1 or 5 pcs.

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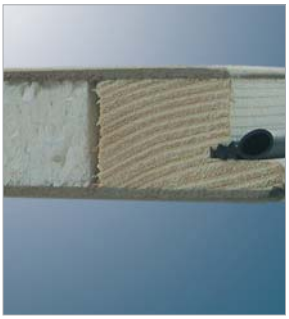
Fold-away ladder StarTec











Features

- Robust construction through use of solid wood
- Construction according to DIN 4570
- Save of room through 3 part fold-away function

Technical data

- Length: 1,190 mm
- Width: 590/690 mm
- Height: 135 mm

Material

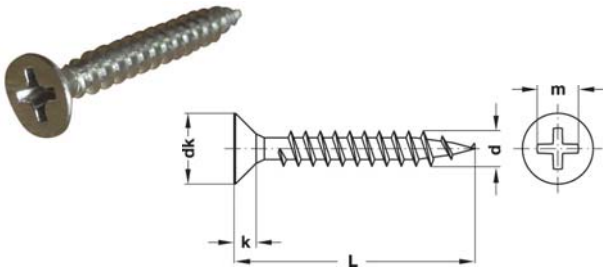
- Star and case made of fir and pine
- Sub cap made of ply wood

Carcase dim. mm Ⓐ	Dim. of ladder case L x W x H mm Ⓑ	Ceiling height mm Ⓒ	Fold-away clearance mm Ⓓ	Cat. No.
1,200/600	1,190 x 590 x 135	2,800	550	982.50.000
1,200/700	1,190 x 690 x 135			982.50.001

Packing: 1 pc.

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Hospa Chipboard screw with counter sunk head



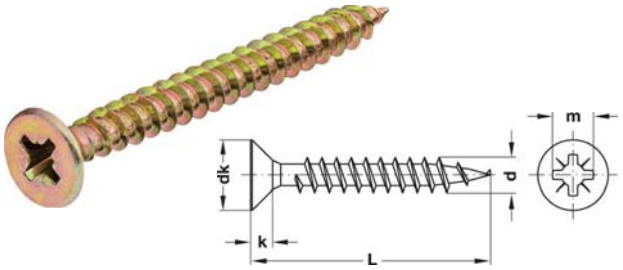
Thread Ød mm	Head Ødk mm	Head height k mm	Cross recess m mm	Drive
3.0	6	2.95	3.20	PZ 1
3.5	7	3.50	4.30	PZ 2
4.0	8	4.10	4.60	
4.5	9	4.60	5.10	
5.0	10	5.10	5.40	

- Material: Steel galvanized
- Drive: Cross recess PH
- Thread: Fully threaded

Thread Ød mm	Length L mm	Packing/Box	Packing/ Bulk pack	Cat. No.
3.0	13	1,000	24,000	015.90.052
	15			015.90.053
	17			015.90.055
	20		16,000	015.90.056
	25		12,000	015.90.059
	30		8,000	015.90.061
	35		6,000	015.90.063
	40	500	6,000	015.90.064
3.5	13	1,000	24,000	015.90.080
	15		16,000	015.90.081
	17			015.90.085
	20		12,000	015.90.086
	25		8,000	015.90.089
	30			015.90.091
	35		6,000	015.90.093
	40	500	4,000	015.90.094
	45			015.90.095
	50		3,000	015.90.096
4.0	13	1,000	16,000	015.90.112
	15			015.90.113
	17		12,000	015.90.115
	20			015.90.116
	25		8,000	015.90.119
	30			015.90.120
	35	500	4,000	015.90.123
	40			015.90.124
	45		3,000	015.90.125
	50			015.90.126
	55	200	2,400	015.90.127
4.5	17	1,000	12,000	015.90.145
	20		8,000	015.90.146
	25		6,000	015.90.149
	30			015.90.151
	35	500	4,000	015.90.153
	40			015.90.154
	45		3,000	015.90.155
	50	200	2,400	015.90.156
	55		1,600	015.90.157
5.0	20	1,000	8,000	015.90.176
	25		6,000	015.90.179
	30	500	4,000	015.90.181
	35			015.90.183
	40		3,000	015.90.184
	45	200	2,400	015.90.185
	50		1,600	015.90.186
	55			015.90.187

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HOSPA Chipboard screw with countersunk head

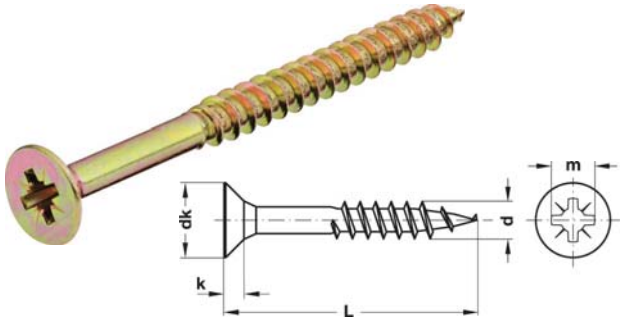


- Material: Steel galvanized
- Drive: Cross recess PZ
- Thread: Fully threaded

Thread Ød mm	Head Ødk mm	Head height k mm	Cross recess m mm	Drive
2.5	5.0	1.6	2.8	PZ1
3.0	5.0/6.0	1.8	3.0	
3.5	7.0	2.1	4.0	PZ2
4.0	8.0	2.4	4.2	
4.5	9.0	2.7	4.4	
5.0	10.0	2.9	5.0	

Thread Ø d mm	Length L mm	Packing	Cat. No.
2.5	16	10,000	017.31.255
3.0 (Head Ø6.0)	13	10,000	017.31.522
	15		017.31.531
	17		017.31.540
	20		017.31.559
	25		015.31.577
	30		017.31.586
3.5	13	10,000	017.31.620
	15		017.31.639
	17		017.31.648
	20		017.31.657
	22		017.31.660
	25	8,000	017.31.675
	30		017.31.684
	35		017.31.693
	40	5,000	017.31.700
	45		015.31.719
	50		017.31.728
4.0	15	8,000	017.31.826
	17		017.31.835
	20		017.31.844
	25		017.31.853
	30	5,000	017.31.862
	35		017.31.871
	40	4,000	017.31.880
	45	3,000	017.31.899
	50		017.31.906

Thread Ød mm	Length L mm	Packing	Cat. No.
4.5	20	5,000	015.31.924
	25		017.31.933
	30		017.31.942
	35	3,000	017.31.951
	40		017.31.960
	50	2,000	017.31.988
5.0	20	1,000	015.32.074
	30		015.32.092
	40		015.32.118
	50		015.31.997



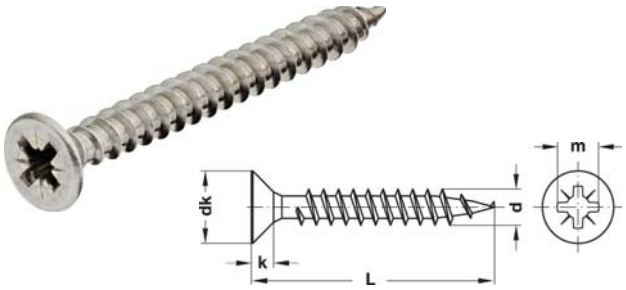
- Material: Steel galvanized
- Drive: Cross recess PZ
- Thread: Partly threaded

Thread Ød mm	Head Ødk mm	Head thick-ness k mm	Cross recess m	Drive
4.0	8.0	2.5	4.2	PZ2
4.5	9.0	2.7	4.4	
5.0	10.0	2.9	5.0	
6.0	12.0	3.4	6.3	PZ3

Thread Ød mm	Length L mm	Packing	Cat. No.
4.0	35	5,000	017.41.877
	40	4,000	017.41.886
	60	3,000	017.41.920
4.5	40	3,000	015.41.966
	50	2,000	015.41.984
	60		015.42.007
5.0	60	2,000	017.42.141
	80	100	015.42.178
	100		015.42.196
	120		015.42.198
6.0	60	200	015.42.356
	80	100	015.42.374
	100		015.42.392
	120		015.42.418
	140		015.42.436
	160		015.42.454
	180		015.42.472

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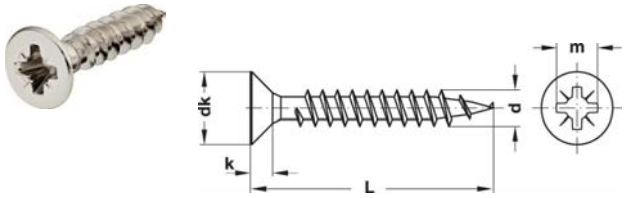
HOSPA Chipboard screw with countersunk head



- Material: Stainless steel 304
- Drive: Cross recess PZ
- Thread: Fully threaded

Thread Ød mm	Head Ødk mm	Head thick-ness k mm	Cross recess m mm	Drive
3.0	6.0	1.50	3.0	PZ1
3.5	7.0	1.75	4.0	PZ2
4.0	8.0	2.00	4.2	PZ2
4.5	9.0	2.25	4.4	PZ2

Thread Ød mm	Length L mm	Packing	Cat. No.
3.0	16	500	014.70.542
	25	1,000	014.70.570
	30	1,000	014.70.580
	35	1,000	014.70.590
3.5	20	500	014.70.659
	25	500	014.70.677
	30	500	014.70.686
	35	1,000	014.70.690
	40	1,000	014.70.702
4.0	25	500	014.70.855
	30	500	014.70.864
	35	500	014.70.873
	40	500	014.70.882
	45	500	014.70.891
	50	500	014.70.908
4.5	35	5 00	014.70.956
	40	200	014.70.958
	45	200	014.70.960
	50	200	014.70.962



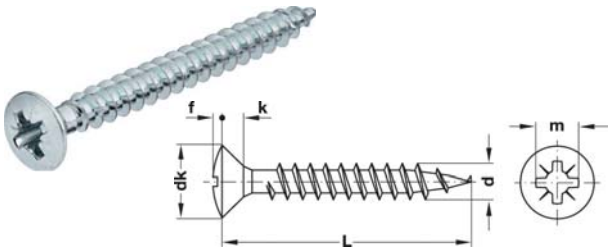
- Material: Steel galvanized
- Finish: Nickel plated
- Drive: Cross recess PZ
- Thread: Fully threaded

Thread Ød mm	Head Ødk mm	Head height k mm	Cross recess m mm	Drive
3.0	5.0	1.8	3.0	PZ1
3.5	7.0	2.1	4.0	PZ2
4.0	8.0	2.4	4.2	

Thread Ød mm	Length L mm	Packing	Cat. No.
3.0	15	1,000	015.35.333
3.5	15		015.35.637
	17		015.35.646
	20		015.35.655
4.0	13		015.35.822
	15		015.35.824
	17		015.35.833
	20		015.35.842

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HOSPA Chipboard screw, raised head

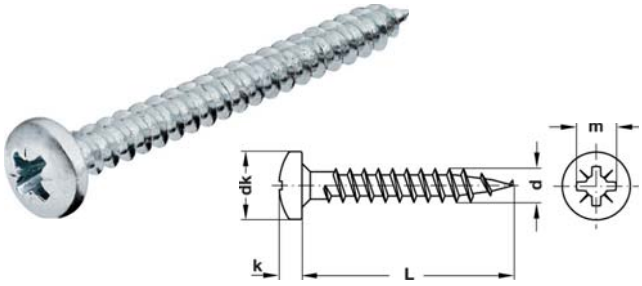


- Material: Steel
- Thread: Fully threaded
- With cross recess

Thread Ød mm	Head Ødk mm	Head height k mm	Cross recess m mm	Drive
3.0	6.0	1.8	3.0	PZ1
3.5	7.0	2.1	4.0	PZ2
4.0	8.0	2.4	4.2	

Thread Ød mm	Length L mm	Packing	Galvanized	Nickel plated	Burnished
3.0	13	1,000	015.51.524	–	–
	15		–	015.55.531	
	17		015.51.542	015.55.540	
	20		–	015.55.559	
	25			015.55.577	
	30			015.55.586	
3.5	15	1,000	015.51.631	015.55.639	015.59.637
	17		015.51.640	015.55.648	015.59.646
	20		015.51.659	015.55.657	015.59.655
	25		015.51.677	015.55.675	015.59.673
	30		015.51.686	015.55.684	015.59.682
	35		015.51.695	015.55.693	–
4.0	17	1,000	015.51.837	–	–
	20		015.51.846	015.55.844	
	25		015.51.855	015.55.853	
	30		015.51.864	015.55.862	
	35	500	015.51.873	015.55.871	015.59.879
	40		015.51.882	015.55.880	015.59.888

HOSPA Pan head chipboard screw



- Material: Steel galvanized
- Thread: Fully threaded
- With cross recess

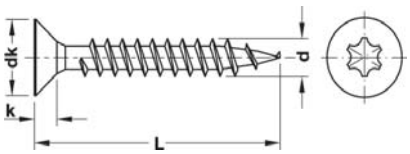
Thread Ød mm	Head Ødk mm	Head height k mm	Cross recess mm	Drive
3.0	6.0	2.4	3.0	PZ1
3.5	7.0	2.5	4.0	PZ2
4.0	8.0	2.9	4.2	
4.5	9.0	3.2	4.4	
5.0	10.0	3.5	5.0	

Thread Ød mm	Length L mm	Packing	Cat. No.
3.0	13	1,000	015.71.526
	15	1,000	015.71.535
	20	1,000	015.71.553
	25	1,000	015.71.571
3.5	13	1,000	015.71.624
	17	1,000	015.71.642
	20	1,000	015.71.651
	25	1,000	015.71.679
	30	1,000	015.71.688
	35	1,000	015.71.697
4.0	13	1,000	015.71.811
	15	1,000	015.71.820
	17	1,000	015.71.839
	20	1,000	015.71.848
	25	1,000	015.71.857
	30	1,000	015.71.866
	35	500	015.71.875
	40	500	015.71.884
4.5	13	1,000	015.71.900
	15	1,000	015.71.919
	17	1,000	015.71.991
	20	1,000	015.71.928
	25	1,000	015.71.937
	30	1,000	015.71.946
	35	500	015.71.955
5.0	17	1,000	015.72.050
	20	1,000	015.72.078
	30	500	015.72.096
	40	500	015.72.112
	50	200	015.72.130

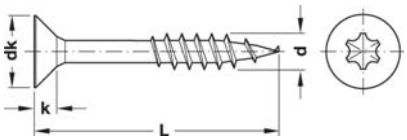
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Chipboard screw with countersunk head T-STAR TS





Fully threaded



Partially threaded

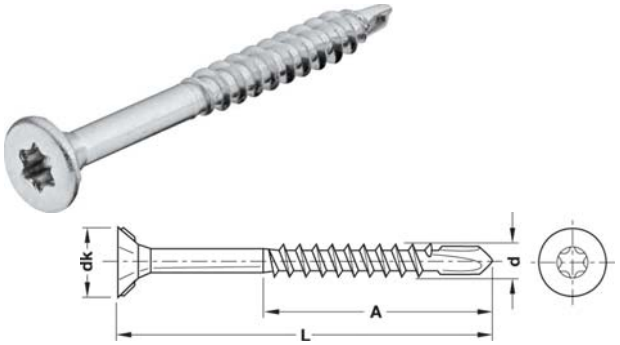
- Material: Steel galvanized
- Drive: T-star TS

Thread Ød mm	Head Ødk mm	Head height k mm	Drive
2,5	5	1,50	TS10
3,0	6		
3,5	7	1,75	TS20
4,0	8	2,00	
4,5	9	2,25	
5,0	10	2,50	TS25
6,0	12	3,00	TS30

Thread Ød mm	Length L mm	Thread	Packing	Cat. No.
3.0	13	Fully threaded	1,000	015.46.004
	15			015.46.052
	17			015.46.053
	20			015.46.055
	25			015.46.056
	30			015.46.059
3.5	13	Fully threaded	1,000	015.46.061
	15			015.46.082
	17			015.46.083
	20			015.46.086
	25			015.46.089
	30			015.46.091
	35			015.46.093
	40			015.46.094
4.0	17	Fully threaded	1,000	015.46.113
	20			015.46.115
	25			015.46.116
	30			015.46.119
	35			015.46.121
	40			015.46.123
	45			015.46.124
	50		500	015.46.125
	55	Partially threaded	500	015.46.426
4.5	17	Fully threaded	1,000	015.46.145
	20			015.46.146
	25			015.46.149
	30			015.46.151
	35		500	015.46.153
	40			015.46.154
	45			015.46.155
	50	Partially threaded		015.46.456
	55			015.46.457
5.0	20	Fully threaded	1,000	015.46.176
	25			015.46.179
	30		500	015.46.181
	35			015.46.183
	40			015.46.184
	45		200	015.46.185
	50	Partially threaded		015.46.486
	60			015.46.488
	80		100	015.46.491
	100			015.46.493
6.0	60	Partially threaded	100	015.46.518
	80			015.46.521
	100			015.46.523
	120			015.46.525
	140			015.46.527
	160			015.46.529
	180			015.46.530

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Chipboard screw with countersunk head



Thread Ød mm	Head Ødk mm	Drive
4,0	8	TS20
4,5	9	TS20
5,0	10	TS25

- Version: With routered ribs
- Material: Hardened steel galvanized
- Drive: T-star TS
- Thread: Chipboard screws partially threaded with drilling point
- Area of application: Pre-drilling not required, particularly suitable for MDF boards, coated and non-coated chipboard, hard wood and solid wood corner connections, front edge fixing

Thread Ød mm	Length L mm	Dim. A mm	Packing	Cat. No.
4	25	19	1,000	019.01.900
	30	20		019.01.901
	35	25		019.01.902
	40	30	500	019.01.903
	45	30		019.01.904
	50	35		019.01.905
	60	40		019.01.907
	70	40	200	019.01.908
4.5	45	20	500	019.01.922
	50	25		019.01.923
	60	30	200	019.01.924
5	50	30	500	019.01.941
	70	35	200	019.01.943
	80	40		019.01.944

Decking screw



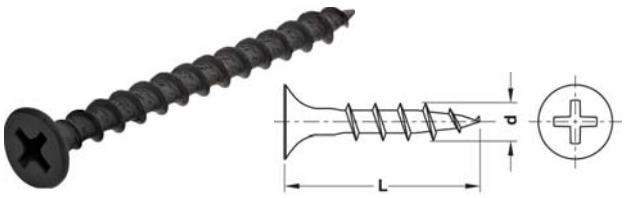
Thread Ød mm	Head Ødk mm	Drive
4,0	8	TS20
4,5	9	TS20
5,0	10	TS25

- Material: Stainless steel 304, hardened
- Installation: Drill point eliminates the need for pre-drilling
- Feature: 60% higher breaking torque
- Area of application: For use with hard wood
- Approval: Building regulations approved decking screw

Thread Ød mm	Length L mm	Packing	Cat. No.
4,0	40	500	010.96.024
4.5	50	200	010.96.046
	60		010.96.048
	70		010.96.050
	80		010.96.051
5,0	50	200	010.96.066
	60		010.96.068
	70		010.96.070
	80		010.96.071

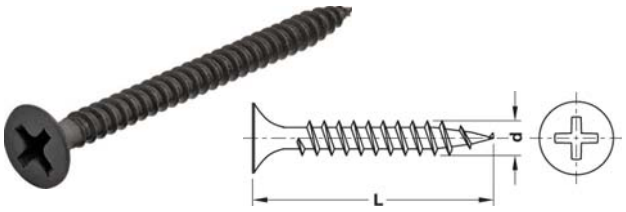
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Dry wall screw



- Area of application: For fixing plasterboards to wooden surfaces
- Version: Self-centring piercing point
- Material: Hardened steel
- Finish: Black phosphate-coated
- Drive: Cross recess PH2
- Thread: Coarse thread

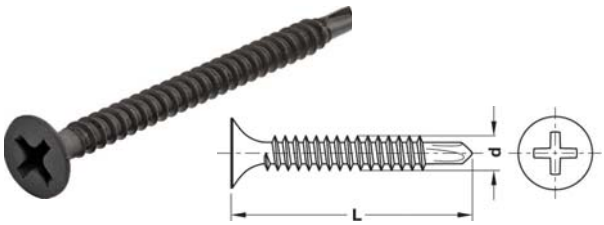
Thread Ød mm	Length L mm	Packing	Cat. No.
3.9	25	1,000	015.99.218
	35		015.99.220
	45		015.99.222
	55		015.99.223



- Area of application: For fixing plasterboards to metal frames and profiles with thickness up to 2.25 mm
- Version: Self-centring piercing point
- Material: Hardened steel
- Finish: Black phosphate-coated
- Drive: Cross recess PH2
- Thread: Coarse thread

Thread Ød mm	Length L mm	Packing	Cat. No.
3.9	25	1,000	015.99.418
	35		015.99.420
	45		015.99.422
	55		015.99.423

Countersunk head with drill point

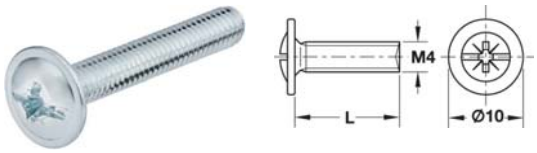


- Material: Hardened steel
- Finish: Black phosphate-coated
- Drive: PH cross slot, size 2
- Thread: Tapping-screw thread
- Area of application: For fixing plasterboards to metal frames and metal profiles up to 2.25 mm thick

Thread Ød mm	Length L mm	Packing	Cat. No.
3.5	25	1,000	015.99.618
	35		015.99.620
	45		015.99.622
	55	500	015.99.623

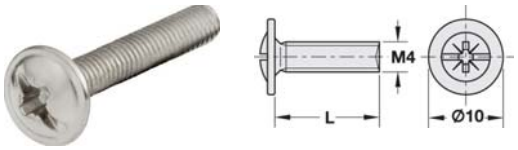
We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Screw with M4 thread



- Material: Steel galvanized
- Drive: PZ2 cross slot and longitudinal slot

Length L mm	Packing	Cat. No.
15	100 or 1,000	022.45.154
20		022.45.207
22		022.45.225
25		022.45.252
27		022.45.270
30		022.45.305
35		022.45.350
40		022.45.403
45		022.45.458
50		022.45.501
55		022.45.550
60		022.45.609

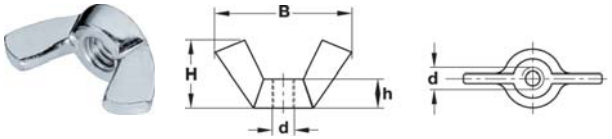


- Material: Steel nickel plated
- Drive: PZ2 cross slot and longitudinal slot

Length L mm	Packing	Cat. No.
15	100 or 1,000	022.44.157
25		022.44.255
30		022.44.308

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Wing nuts

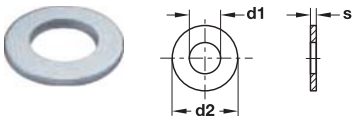


- Material: Steel galvanized
- American shape (similar DIN 315)

Thread d	Dim. B mm	Dim. H mm	Dim. h mm
M4	18.0	9.0	3.2
M5	21.0		3.5
M6	24.0	11.0	4.0
M8	28.0	14.0	5.0

Thread d	Cat. No.
M4	034.40.904
M5	034.40.905
M6	034.40.906
M8	034.40.908

Washer DIN 125



- Material: Steel galvanized

Inner Ø mm	Outer Ø mm	Thickness mm	Packing	Cat. No.
2.2	5.0	0.3	250	037.20.901
2.5	6.0	0.5		037.20.902
3.2	7.0			037.20.903
4.3	9.0	0.8		037.20.904
5.3	10.0	1.0		037.20.905
6.4	12.5	1.6		037.20.906
8.4	16.0			037.20.908
10.5	20.0	2.0		037.20.910
13.0	24.0	2.5	100	037.20.912

Washer DIN 9021

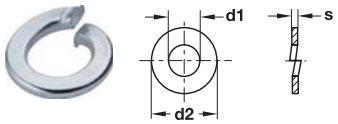
แหวน DIN 9021



- Material: Steel galvanized

Inner Ø mm	Outer Ø mm	Thickness mm	Packing	Cat. No.
5.3	15.0	1.2	250	037.22.905
6.4	18.0	1.6		037.22.906
8.4	24.0	2.0	100	037.22.908
10.5	30.0	2.5		037.22.909
13.0	37.0	3.0		037.22.910
17.0	50.0			037.22.912

Spring ring DIN 127

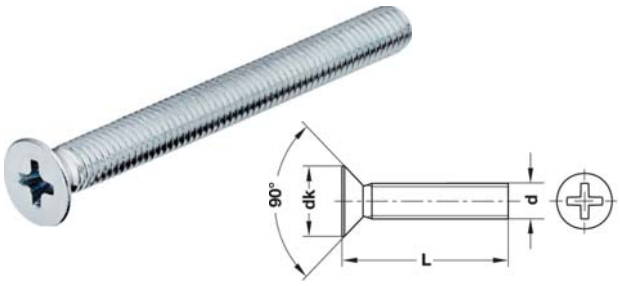


- Material: Steel galvanized

Inner Ø mm	Outer Ø mm	Thickness mm	Packing	Cat. No.
5.1	9.2	1.2	250	037.81.905
6.1	11.8	1.6		037.81.906
8.1	14.8	2.0		037.81.908
10.2	18.1	2.5		037.81.910

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Flat head screw PH DIN 965



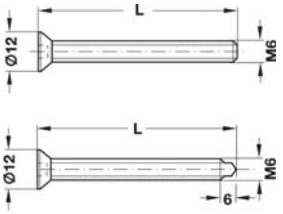
- Material: Steel galvanized
- Thread: Fully threaded

Thread d	Head Ødk mm	Drive
M4	7.5	PH2
M5	9.2	PH3
M6	11.0	PH4
M8	14.5	PH4

Thread Ød mm	Length L mm	Packing	Cat. No.
M4	8	250	020.07.063
	10		020.07.064
	12		020.07.065
	16		020.07.066
	20		020.07.067
	25		020.07.068
	30		020.07.069
	35		020.07.070
	40		020.07.071
	45		020.07.072
	50		020.07.073
	60		020.07.075
	70		020.07.077
	80		020.07.079
M5	10		020.07.094
	12		020.07.095
	16		020.07.096
	20		020.07.097
	25		020.07.098
	30		020.07.099
	35		020.07.100
	40		020.07.101
	45		020.07.102
	50		020.07.103
	60		020.07.105
	70		020.07.107
	80		020.07.109
M6	10		020.07.124
	12		020.07.125
	16		020.07.126
	20		020.07.127
	25		020.07.128
	30		020.07.129
	35		020.07.130
	40		020.07.131
	45		020.07.132
M6	50	250	020.07.133
	60	100	020.07.135
	70		020.07.137
	80		020.07.139
M8	16	100	020.07.156
	20		020.07.157
	25		020.07.158
	30		020.07.159
	35		020.07.160
	40		020.07.161

Flat head screw DIN 7991



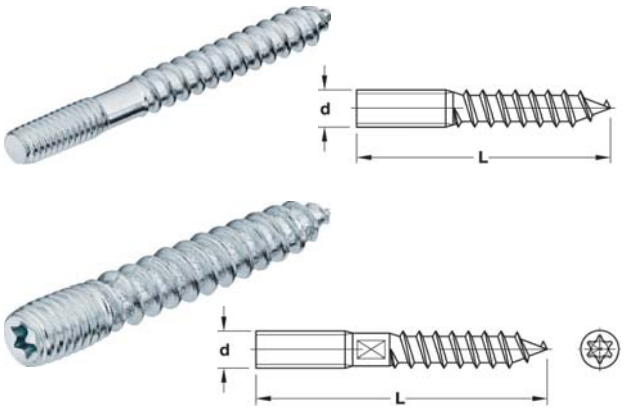


- Material: Steel
- Thread: Fully threaded
- Inner allen key SW4 DIN 7991

Length L mm	Finish	Packing	Cat. No.
Without tip			
50	Nickel plated	100 or 1,000	264.70.750
60			264.70.760
70			264.70.770
With tip			
60	Galvanized	100 or 1,000	264.70.961
70		100 or 800	264.70.971

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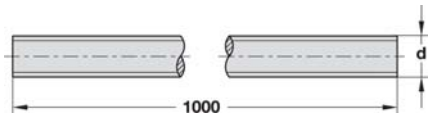
Hanger bolt



- Material: Steel galvanized

Thread d	Length L mm	Drive	Packing	Cat. No.
Without drive				
M4	20	–	500	026.10.901
	30			026.10.902
	40			026.10.903
	50			026.10.904
With T-STAR Drive				
M6	50	TS15	100	026.12.923
	80			026.12.926
	90			026.12.927
M8	50	TS25		026.12.941
	60			026.12.942
	80			026.12.944
	100			026.12.946

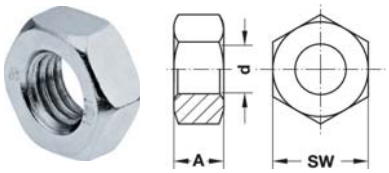
Threaded rod DIN 975



- Material: Steel galvanized
- Thread: Fully threaded

Thread d	Packing	Cat. No.
M4	50 or 100	020.80.904
M5		020.80.905
M6		020.80.906
M8	25 or 50	020.80.908
M10	20 or 25	020.80.910
M12	10 or 25	020.80.912
M14	10 or 20	020.80.914
M16	10	020.80.916

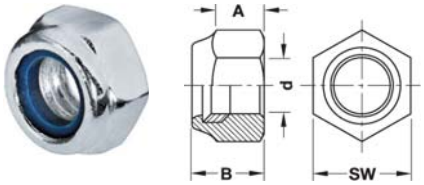
Hexagon nuts DIN 934



- Material: Steel galvanized

Thread d	Dim. A mm	Wrench size mm	Packing	Cat. No.
M4	3.2	7	250	034.16.904
M5	4.0	8		034.16.905
M6	5.0	10		034.16.906
M8	6.5	13		034.16.908
M10	8.0	17	100	034.16.910
M12	10.0	19		034.16.912
M14	11.0	22	25	034.16.914
M16	13.0	24		034.16.916

Hexagonal lock nut DIN 934



- Material: Steel galvanized with plastic ring

Thread d	Dim. A mm	Dim. H mm	Wrench size mm	Packing	Cat. No.
M5	3.5	5.0	8	250	034.18.905
M6	4.5	6.0	10		034.18.906

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Plastic cover cap for chipboard screws with cross recess PZ





For cross recess PZ3





For cross recess PZ2

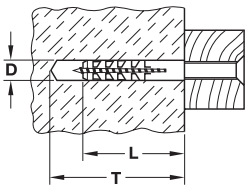
For cross recess	Colour	Cat. No.
PZ2	White, RAL 9010	045.03.726
	Black, RAL 9005	045.03.320
	Pine coloured, similar RAL 1034	045.03.020
	Fawn coloured, RAL 8007	045.03.128
PZ3	White, RAL 9010	045.03.735
	Pine coloured, similar RAL 1034	045.03.039
	Fawn coloured, RAL 8007	045.03.137

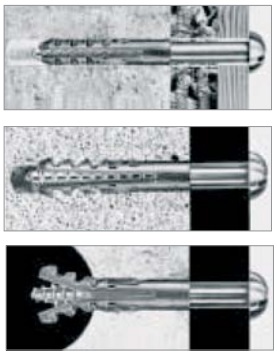
Packing: 1,000 pcs.

Plastic dowel



Important: Min. 1x screw Ø





Material: Plastic

Finish: White

Length L mm	Drill ØD x depth T mm	Quantity pcs/kg	Cat. No.
26	6 x 36	2,200	051.16.002
33	7 x 43	1,400	051.16.003
36	8 x 46	900	051.16.004
46	10 x 56	600	051.16.005

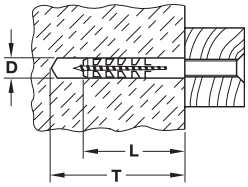
Packing: 1 kg

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Wall plug



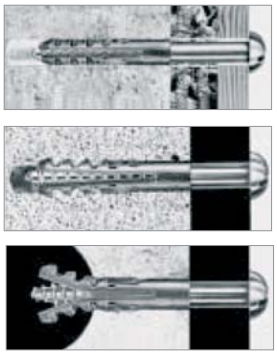
Important: Min. 1 x screw Ø



Type	Drill ØD mm	Min. drilling depth T mm	Min. wall plug length L = anchoring depth
S5	5	35	25
S6	6	40	30
S8	8	55	40
S10	10	70	50
S12	12	80	60

- Suitable for all concrete and masonry materials, perforated bricks, gas concrete, lightweight wallboards
- High-quality polyamide (nylon) for resistance to weathering, aging, corrosion and rotting
- Tough, flexible material, vibration-damping and sound-absorbing effects
- High resistance to pushing and pulling forces
- Anchoring in solid materials through friction contact
- Anchoring in soft and rough materials through deformation
- Locking lug prevents plug from turning in the drill hole
- No damage to plaster or tiles as plug neck does not spread

Installation



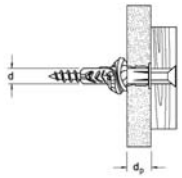
- For pre-mounting with wood and chipboard screws
- High tensile and compression strength
- Frictional connection in solid building material
- Positive-fit connection in soft and rough building material
- Locking lugs prevent turning in the drilled hole
- The plug neck is subject to no expansion pressure and prevents surface damage to tiles and plaster

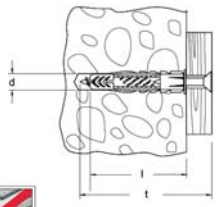
Type	For wood and chipboard screws mm	Packing	Cat. No.
S5	Ø3.0–4.0	200	051.40.009
S6	Ø4.0–5.0	200	051.40.018
S8	Ø4.5–6.0	200	051.40.027
S10	Ø6.0–8.0	100	051.40.036
S12	Ø8.0–10.0	25	051.40.045

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Universal wall plug





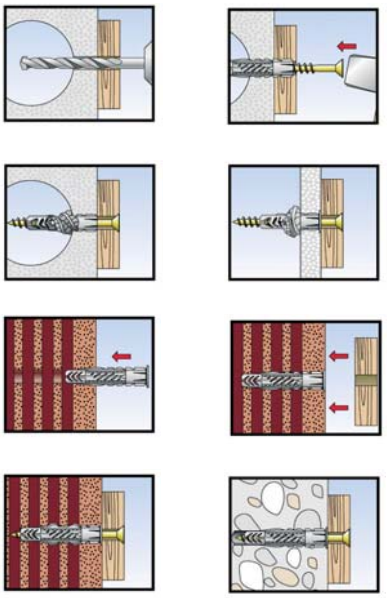




Type	Drill ØD mm	Min. drilling depth T mm	Min. board thickness d_p mm	Wall plug length L mm
UX 6	6	45	9.5	35
UX 8	8	60	9.5	50
UX 10	10	75	12.5	60
UX 12	12	85	–	70
UX 14	14	95		75

- Suitable for concrete, solid masonry, perforated stones, gas concrete, lightweight wallboards, plasterboard
- High-quality polyamide (nylon) for resistance to weathering, aging, corrosion and rotting
- Can be used with all kinds of screws: chipboard screws, wood screws and wood-to-metal threaded screws
- With flexible point, suitable for different screw diameters
- Good spreading in solid materials
- Secure knotting in hollow materials
- Low initial screw-driving torque and high tightening torque
- UX 6 to UX 10 are optimised for panel materials such as plasterboard
- No rotation in soft materials
- No early spreading with through-fixing

Installation



For best results, use screws with maximum possible diameter and with a length such that the point goes beyond the end of the plug by a distance equal to the screw diameter.
Remove dust from hole by brushing, blowing or with a vacuum cleaner.

Installation examples







Type	For screw sizes mm	Packing	Cat. No.
UX 6	Ø4.0–5.0	100	051.70.001
UX 8	Ø4.5–6.0	100	051.70.002
UX 10	Ø6.0–8.0	50	051.70.003
UX 12	Ø8.0–10.0	25	051.70.004
UX 14	Ø10.0–12.0	20	051.70.005

We reserve the right to alter specifications without notice (SEA Architectural Hardware 2015).

Weight calculation

Chipboard weight table kg								
Width	Height	16	19	22	25	30	35	40
600	600	4.0	4.7	5.2	5.9	7.0	8.1	9.2
	800	5.3	6.2	7.0	7.9	9.4	10.8	12.2
	1200	7.9	9.4	10.4	11.9	14.0	16.2	18.4
	1400	9.2	10.9	12.2	13.9	16.4	18.9	21.4
	1800	11.9	14.0	15.7	17.8	21.1	24.3	27.5
	2000	13.2	15.6	17.4	19.8	23.4	27.0	30.6
	2200	14.5	17.2	19.1	21.8	25.7	29.7	33.7
	2400	15.8	18.7	20.9	23.8	28.1	32.4	36.7
800	800	7.0	8.3	9.3	10.6	12.5	14.4	16.3
	1200	10.6	12.5	13.9	15.8	18.7	21.6	24.5
	1400	12.3	14.6	16.2	18.5	21.8	25.2	28.6
	2000	17.6	20.8	23.2	26.4	31.2	36.0	40.8
	2400	21.1	25.0	27.8	31.7	37.4	43.2	49.0
1000	1400	15.4	18.2	20.3	23.1	27.3	31.5	35.7
	2000	22.0	26.0	29.0	33.0	39.0	45.0	51.0
	2400	26.4	31.2	34.8	39.6	46.8	54.0	61.2
1200	2400	31.7	37.4	41.8	47.5	56.2	64.8	73.4

Glass weight table kg						
Width	Height	4	6	8	10	12
600	600	3.6	5.4	7.2	9.0	10.8
	800	4.8	7.2	9.6	12.0	14.4
	1,200	7.2	10.8	14.4	18.0	21.6
	1,400	8.4	12.6	16.8	21.0	25.2
	1,800	10.8	16.2	21.6	27.0	32.4
	2,000	12.0	18.0	24.0	30.0	36.0
	2,200	13.2	19.8	26.4	33.0	39.6
	2,400	14.4	21.6	28.8	36.0	43.2
800	800	6.4	9.6	12.8	16.0	19.2
	1,200	9.6	14.4	19.2	24.0	28.8
	1,400	11.2	16.8	22.4	28.0	33.6
	2,000	16.0	24.0	32.0	40.0	48.0
	2,400	19.2	28.8	38.4	48.0	57.6
1,000	1,400	14.0	21.0	28.0	35.0	42.0
	2,000	20.0	30.0	40.0	50.0	60.0
	2,400	24.0	36.0	48.0	60.0	72.0
1,200	2,400	28.8	43.2	57.6	72.0	86.4

Door - Flush (weight each)		
Standard doors 2,040 mm high x 35 mm thick		
Width mm	Hollow core kg	Solid core kg
620	11.8	22.8
720	13.0	31.6
770	14.0	33.8
820	14.8	36.0
870	15.0	38.2

Softwood and hardwood	
Seasoned weight	kg/m² nn./ɪɹ.²
Blackbutt	930
Bush box	930
Canada pine	460
Douglas fir (Oregon)	480/560
Hoop pine	540
Pacific maple (Merant)	40/720
Radiata pine	480
Red oedar	420
Red mahogany	500
Redwood	450
Spotted gum	930
Sydney blue gum	910
Tallowwood	990
Tasmanian oak	680
Turpentine	910
Western red cedar	370
White cypress pine	690

Solid timber	mm	kg/m³
Oak	16	10.88
	18	12.92
Pine	16	8.80
	19	10.50
Teak	16	9.92
	19	11.80

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Weight calculations

Plywood, hardboard, wallboard - plaster , fibre cement, medium density fibreboard (MDF)		
	mm	kg/m²
Plywood	4.5	2.50
Hardboard	3.0	3.30
Wallboard - plaster	10.0	6.70
	13.0	8.50
Fibre cement	6.0	11.00
	9.0	17.00
	12.0	22.50
Medium density fibreboard (MDF)	6.0	4.80
	9.0	7.20
	12.0	9.40
	16.0	12.60
	18.0	13.88
	25.0	19.30
	32.0	25.10
	40.0	27.10

Aluminium	mm	kg/m²
Sheet	1.2	3.71
	1.6	4.88
	2.0	6.20

Angles, channels and hollows	mm	kg/m
Angles	25 x 25 x 2	0.38
	50 x 50 x 3	0.79
Chanels	60 x 32 x 4	1.26
	100 x 50 x 5	2.5
Hollows	25 x 25 x 2	0.50
	100 x 40 x 3	2.17

Length units

Basic units used in the catalogue are millimeter (mm) and meter (m).

To convert inches into millimeter multiply inches with 25.4.

Inch	< to >	Millimeter
1/16”		1.59
1/8”		3.18
3/16”		4.76
1/4”		6.35
3/8”		9.53
1/2”		12.70
5/8”		15.88
3/4”		19.05
7/8”		22.23
1”		25.40
2”		50.80
4”		101.60
6”		152.40
8”		203.20
10”		254.00
12”		304.80
16”		406.40
18”		457.20
21”		533.40
24”		609.60
27”		685.80
30”		762.00
33”		838.20
36”		914.40
39”		990.60
48”		1219.20

Meter	< to >	Feet
1		3’3 3/8”
2		6’6 3/4”
2.5		8’2 1/2”
4		13’1 1/2”
6		19’8 1/4”

Weight units

Basic unit used in the catalogue is kilogramm (kg).

To convert kilogramms into pounds, multiply kilogramms with 2.2

Kilogramm	< to >	Pound
1		2.2 lbs.
10		22 lbs.
50		110 lbs.

Capacity units

Basic unit used in the catalogue is liter (L).

To convert liters into gallons, multiply liter with 0.26.

Liter	< to >	Gallon
1		0.26
4		1
15		4

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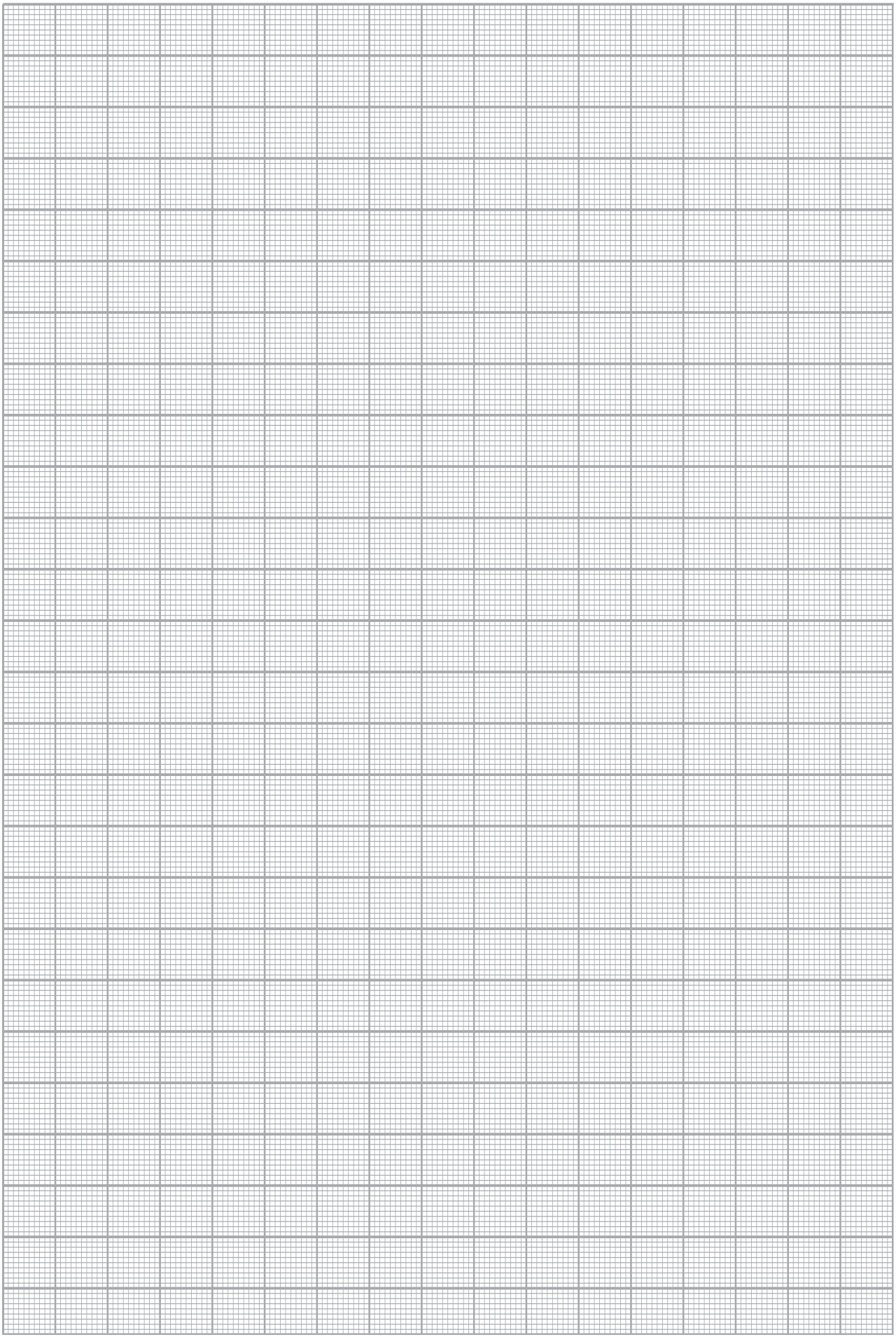
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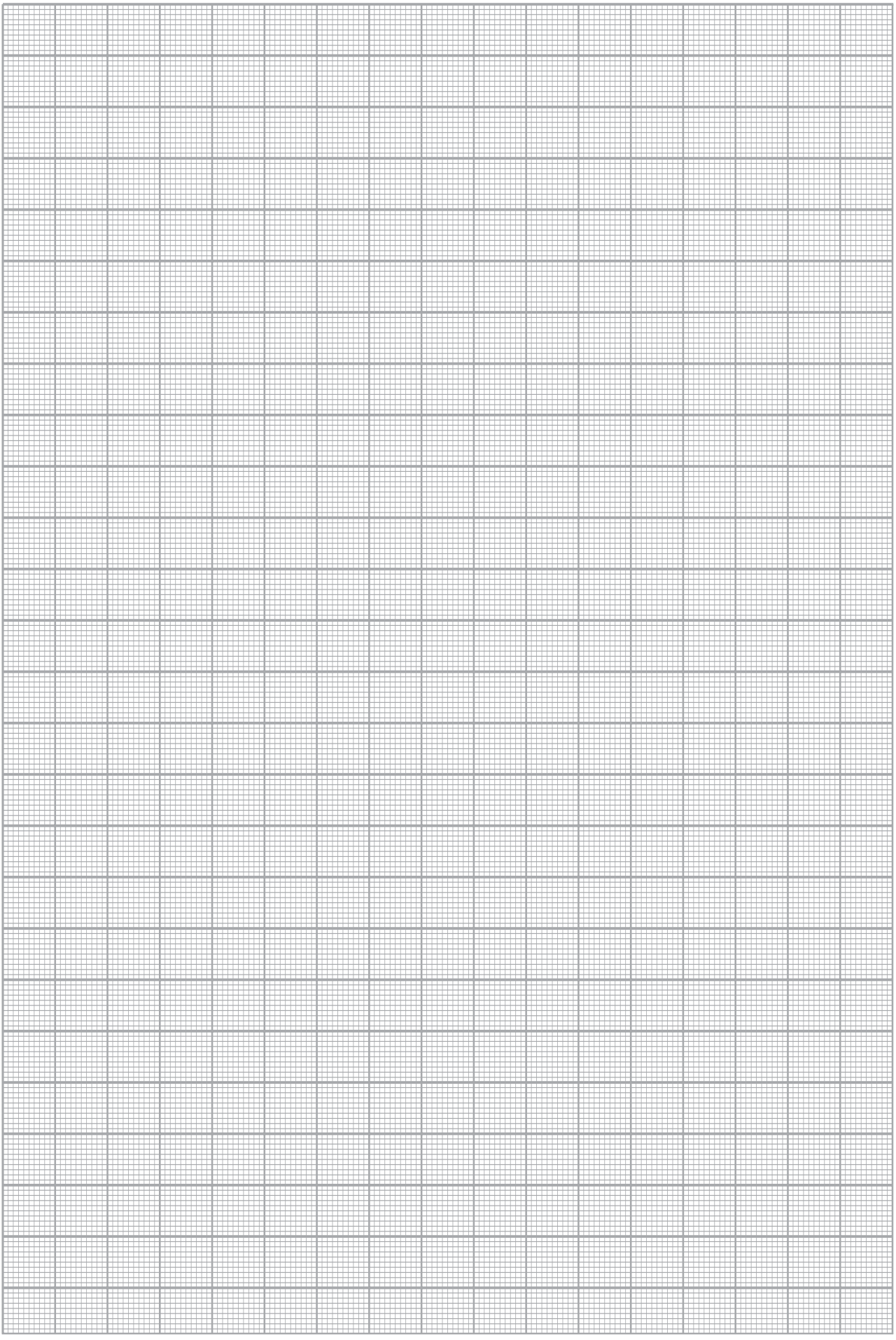
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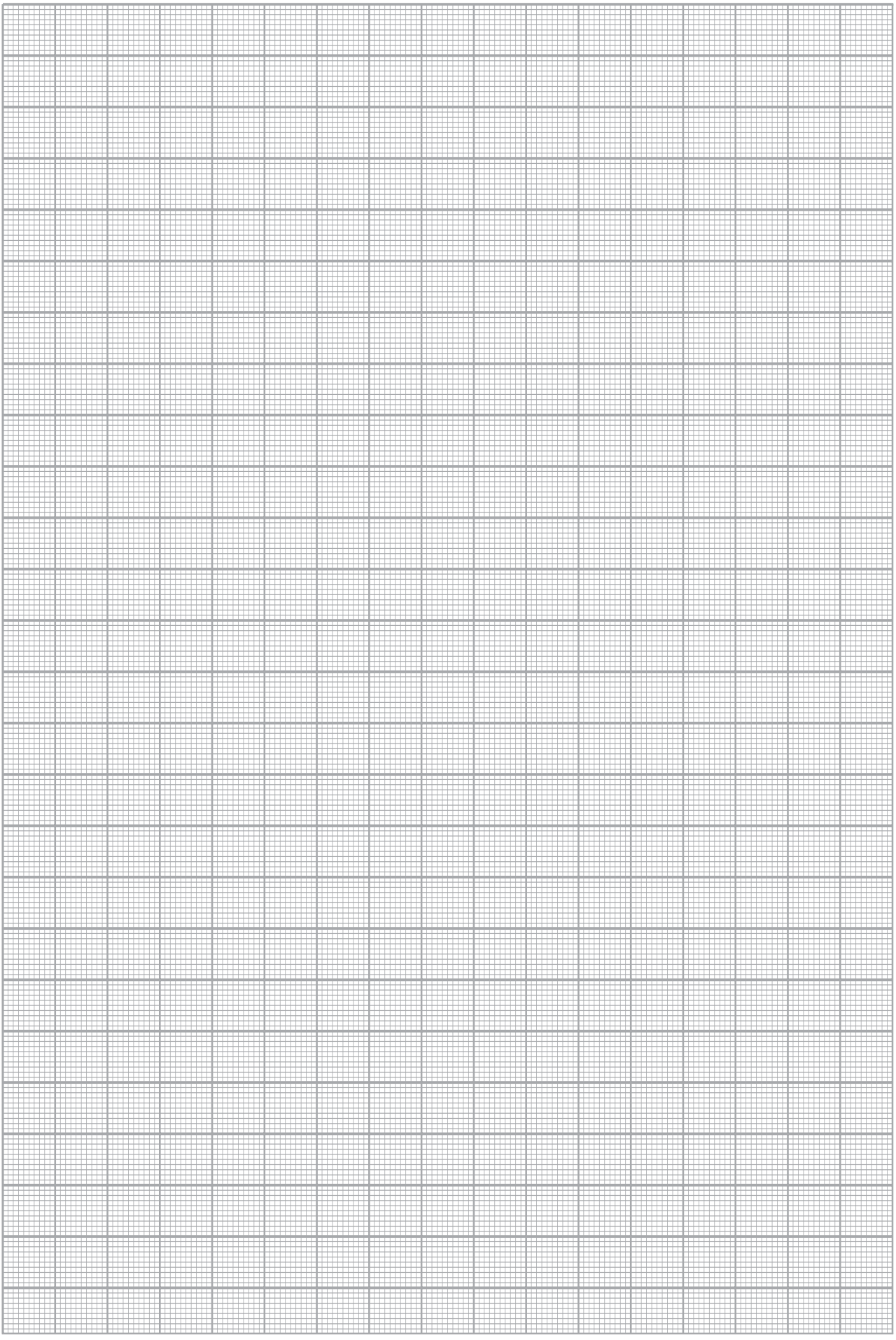
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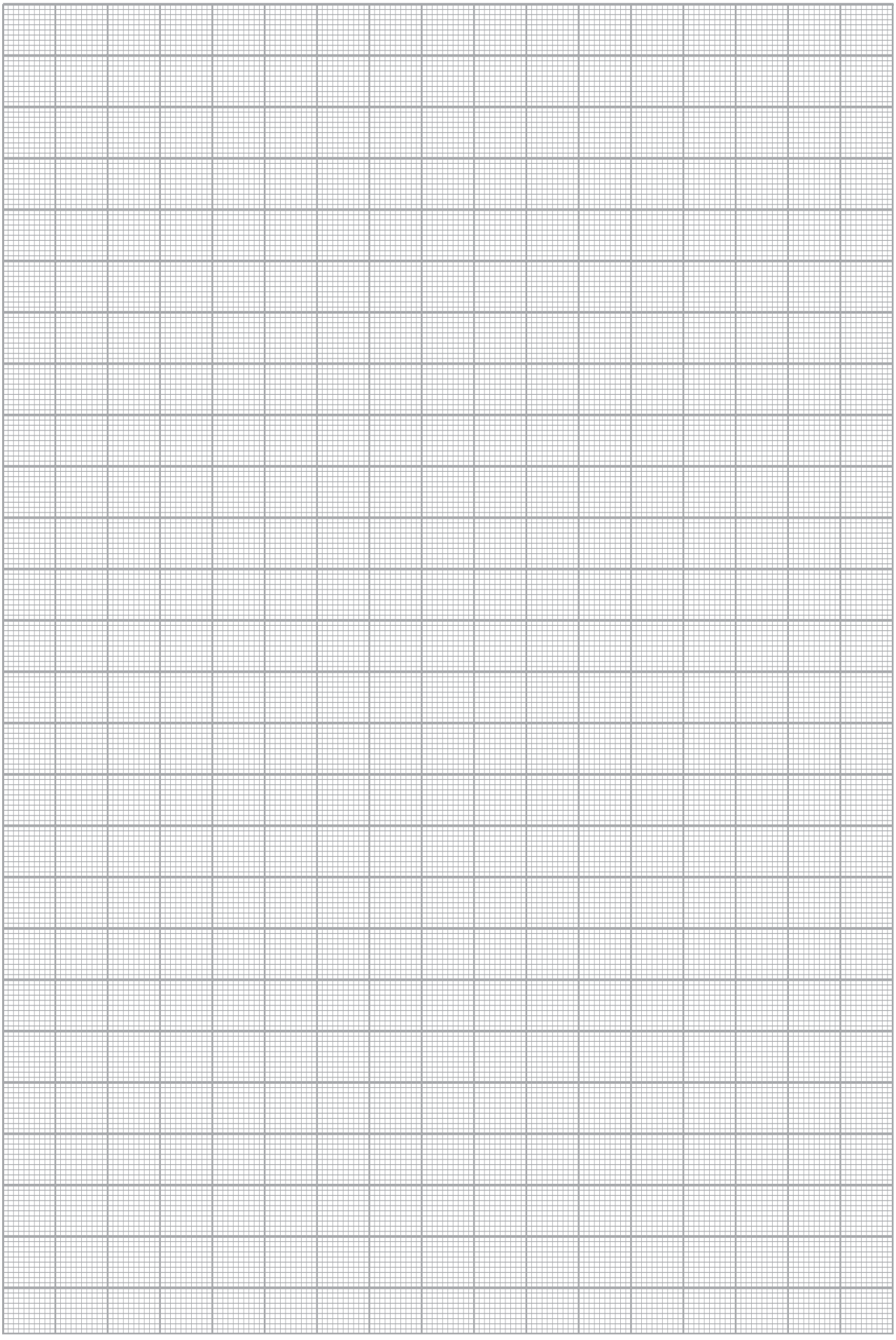
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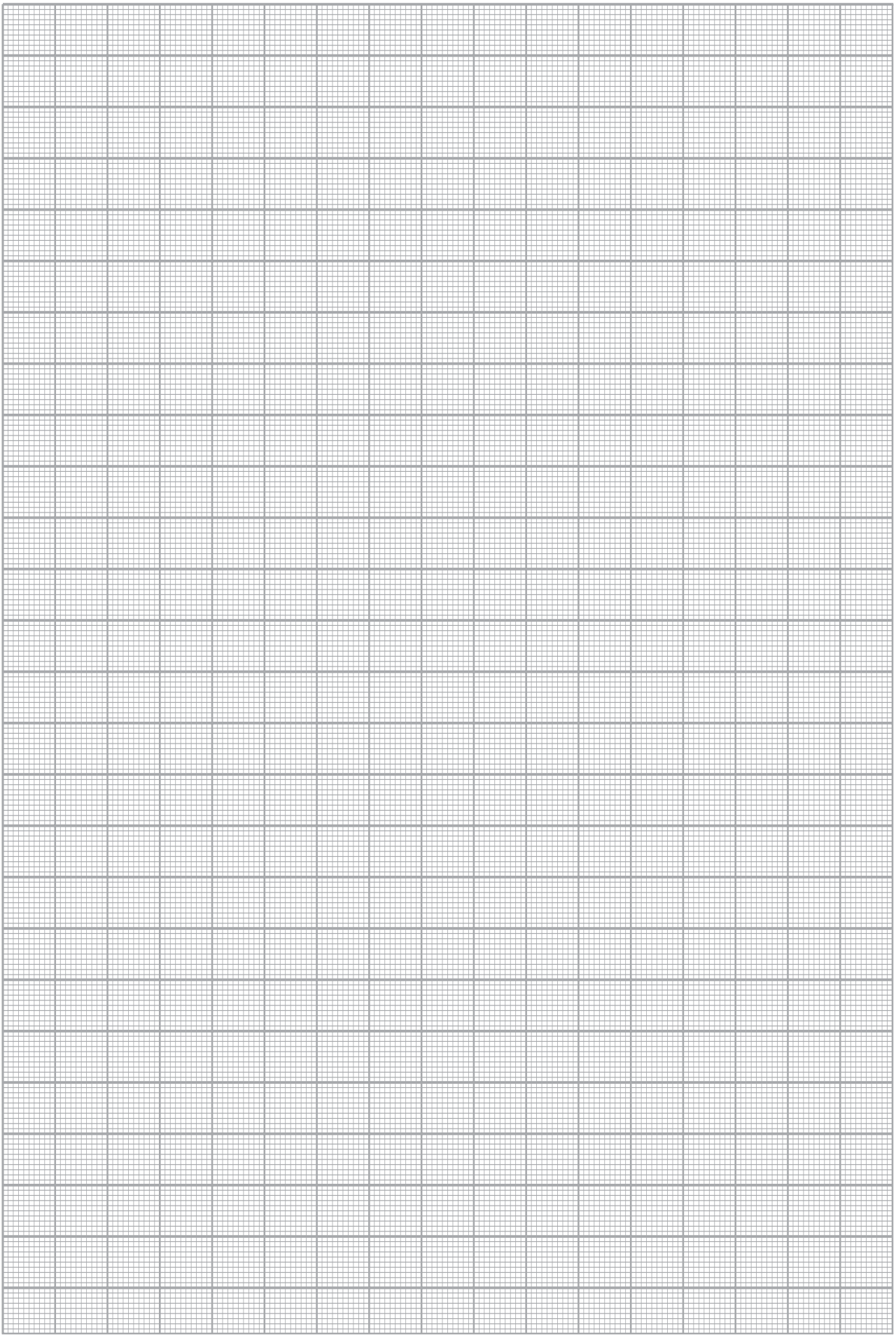
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