

Price list 2018

HSW EASY Safe
FSW EASY Safe
FSW EASY Safe C
FSW EASY Safe Cplus
HSW-GP
HSW FLEX Therm
HSW-R



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The pictographs in this price list have been included for guidance only. They are not true to scale and do not constitute a binding description of the exact application of the products!

Subject to change without notice.

Gross prices exclusive freight and packing!

Our General Terms of Business are available at www.dorma.com

Delivery periods

Die Lieferzeiten für unsere Artikel sind abhängig von den produktbezogenen Bereitstellungszeiten und den Transitzeiten. Innerhalb von einem Arbeitstag nach Auftragsingang bei uns erhalten Sie eine entsprechende Eingangs- bzw. Auftragsbestätigung.

Die exakten, auftragsbezogenen Lieferzeiten entnehmen Sie bitte den jeweiligen Auftragsbestätigungen, die Sie nach evtl. notwendiger Auftragsklärung erhalten. Sie berücksichtigen neben den transportabhängigen Zeiten auch Sondervereinbarungen wie Sammellieferungen und Abfahrtstage.

Preparation times

This is defined as the number of days from the date of release of the production drawing following order clarification until the products are ready for dispatch at the factory in Bad Salzuflen. The likely preparation times are indicated by the colour coding of the price backgrounds.

2 5 7 10 15 20 25

They relate to order quantities per item of max.

25 pieces for individual fittings/sets

1 piece for individual HSW / FSW systems with max. 10 panels

120 m for profiles

The preparation times for larger quantities and projects, customised solutions and modifications may differ. We will be glad to inform you on request of the delivery times that then apply. Subsequent order changes will result in the preparation and delivery times being recalculated and reconfirmed.

The preparation time of other glass fitting components (accessories) is geared to the preparation time of the HSW assemblies

Transit times

This is defined as the number of days it takes to transport the items door-to-door from Bad Salzuflen to the delivery address. Some transit times to various countries of destination are indicated in the table below. Please note that the number of days indicated is subject to variations arising from designated departure days. We will gladly quote transit times for countries not listed.

Country (Delivery destination)	Departure days (from Bad Salzuflen)	Transit time up to (Working days)
Austria	daily	3
Belgium	daily	2
Bosnia	Thu	8
Bulgaria	Thu	5
Croatia	Tue + Fri	4
Czech Republic	daily	4
Denmark	Tue, Wed, Fri	2
Estonia	Tue + Fri	4
Finland	Tue + Fri	5
France	daily	4
Germany	daily	2
Great Britain	Tue + Fri	3
Greece	Fri	5
Hungary	Tue, Wed, Thu, Fri	4
Ireland	Tue + Fri	5
Italy	Tue + Fri	4
Latvia	Tue + Fri	5
Lithuania	Tue + Fri	5
Luxembourg	daily	2
Netherlands	daily	2
Norway	Tue + Fri	4
Poland	daily	3
Portugal	Thu	5
Romania	Tue + Fri	5
Serbia	Tue, Wed, Fri	5
Slowakia	Tue + Fri	4
Slovenia	Tue + Fri	3
Spain	Tue + Fri	5
Sweden	daily	4
Switzerland	daily	3
Turkey	Thu	7

Glass thicknesses

HSW EASY Safe	10–19 mm glass thickness (toughened safety glass = TSG/laminated safety glass = 2 x TSG)
FSW EASY Safe	10–19 mm glass thickness (toughened safety glass = TSG/laminated safety glass = 2 x TSG)
HSW-GP	10 or 12 mm glass thickness (TSG), preference must be indicated in order.
HSW FLEX Therm	Standard glass fixing profile for 8 – 49 mm (TSG, LSG, ISO)
HSW-R	Standard glass fixing profile for 8 – 24 mm (TSG, LSG, ISO), other glass thicknesses on request

* LSG made of 2x TSG.

Finishes

		HSW EASY Safe	FSW EASY Safe	HSW-GP	HSW FLEX Therm	HSW-R	HSW track profiles and stacking arrangements
Base parts, various material							
000	Base parts	•	•		•	•	
Aluminium, mill finish, anodized, chromed							
100	AL mill finish (Aluminium R 600)	•	•				•
101	AL silver EV1 anodized (similar Eloxal I EV1 / Eloxal II C 0)					•	
107	AL similar satin stainless steel anodized	•	•				
109	AL black anodized (Black N 790 ST)	•	•				
150	AL silver anodized (Silver N 600 ST) (compatible with finish 114)	•	•		•		•
157	AL niro anodized (Niro N 700)	•	•				•
199	AL special color anodized	•	•			•	•
Aluminium, powder coated							
300	AL traffic white powder coated					•	
304	AL black powder coated (Black P 190 SG)	•	•				
318	AL similar EV1 powder coated (Silver P 600 SG)	•	•				•
350	AL white powder coated (White P 100 SG)	•	•				•
398	AL high weather resistant powder coated (Color P WR)	•	•		•	•	•
399	AL special color powder coated (standard powder according to RAL)	•	•		•	•	•
Stainless steel, various finish treatments							
700	Satin stainless steel (Niro S 700 ST)	•	•	•			

Instructions for pricing an HSW system using the example of HSW EASY Safe

The stacking / parking arrangements integrated in a HSW configuration can be as varied as the structural conditions that they have to accommodate. This is also reflected by the three price variants that we offer.

If the system configuration is not in a straight line, then you need to apply one or several of the modules shown. The round 90° curved section (Module 8) bend will be individually adapted by us (91° – 149°) in accordance with your requirements.

Each product group begins with a list of the panel types and ends, if provided as part of the design for the group, with specific accessories.

1. Costing of the track configuration and stacking arrangement

The calculation of the track rail and stacking arrangement is broken down into three steps:

- Determination of track rail length
- Determination of necessary track modules
- Addition of stacking arrangement section

In order to facilitate the calculation of the track rail length, it is advisable to assume the entire opening width as the budget dimension for the quotation phase.

In determining branches and angle sections, it may also be necessary to add further track rail lengths which are required. Additional track rail lengths are always required, if the stacking arrangements are located in a more remote area.

The price for the stacking arrangements is derived from calculation of variants A I, A II, B or C.

2. Composition and costing of the panels

Determine the number and type of panels required for your system. Please make a note of the relevant technical specifications, e.g. the maximum values for the panel width, system height and panel weight. The panel configuration is indicated in the article texts of this price list and in the order confirmation.

3. Addition and costing of accessories

In general, a distinction is made between three types of accessories.

Requisite accessories

Requisite accessories are those components not included in the panel price but nevertheless necessary for the function of the HSW EASY Safe system, such as bushings for receiving the floor bolts, or a cardan crank for operation of the top locking device.

Optional accessories

Optional accessories are those components which may be additionally "desired" but are not absolutely necessary, e.g. handle bars and side and bottom brush seals for improved protection against draughts

Specific and general accessories

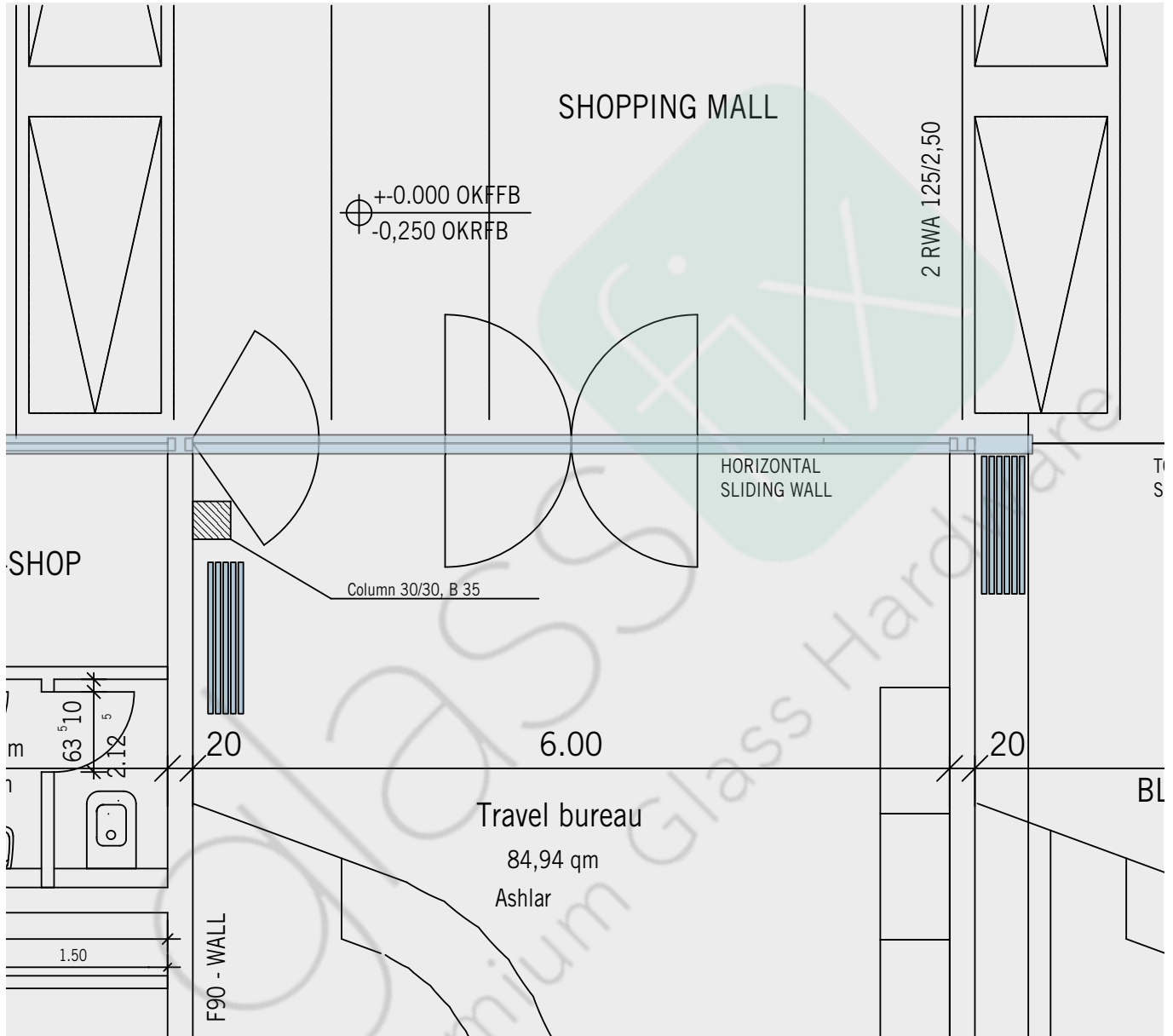
Specific accessories are those components which especially may be used for the particular product type. You can find the articles at the end of each chapter. The general, product type-independent accessories are placed in chapter "System independent accessories".

Freight and packing

Subject to the order value we charge a flat rate for freight and packing.

HSW system costing example

The following extract from a layout plan provides the starting point for the model calculation.



1. Costing of the track rail and stacking arrangement

Track rail length

This is calculated according to the guide as follows:

Opening width (6 m) x track rail fixed length (Art. No. 8.40.022.150.99) (1 m à 100,00 €) 618,00 €

Branches and additional track rail

This is calculated according to the guide as follows:

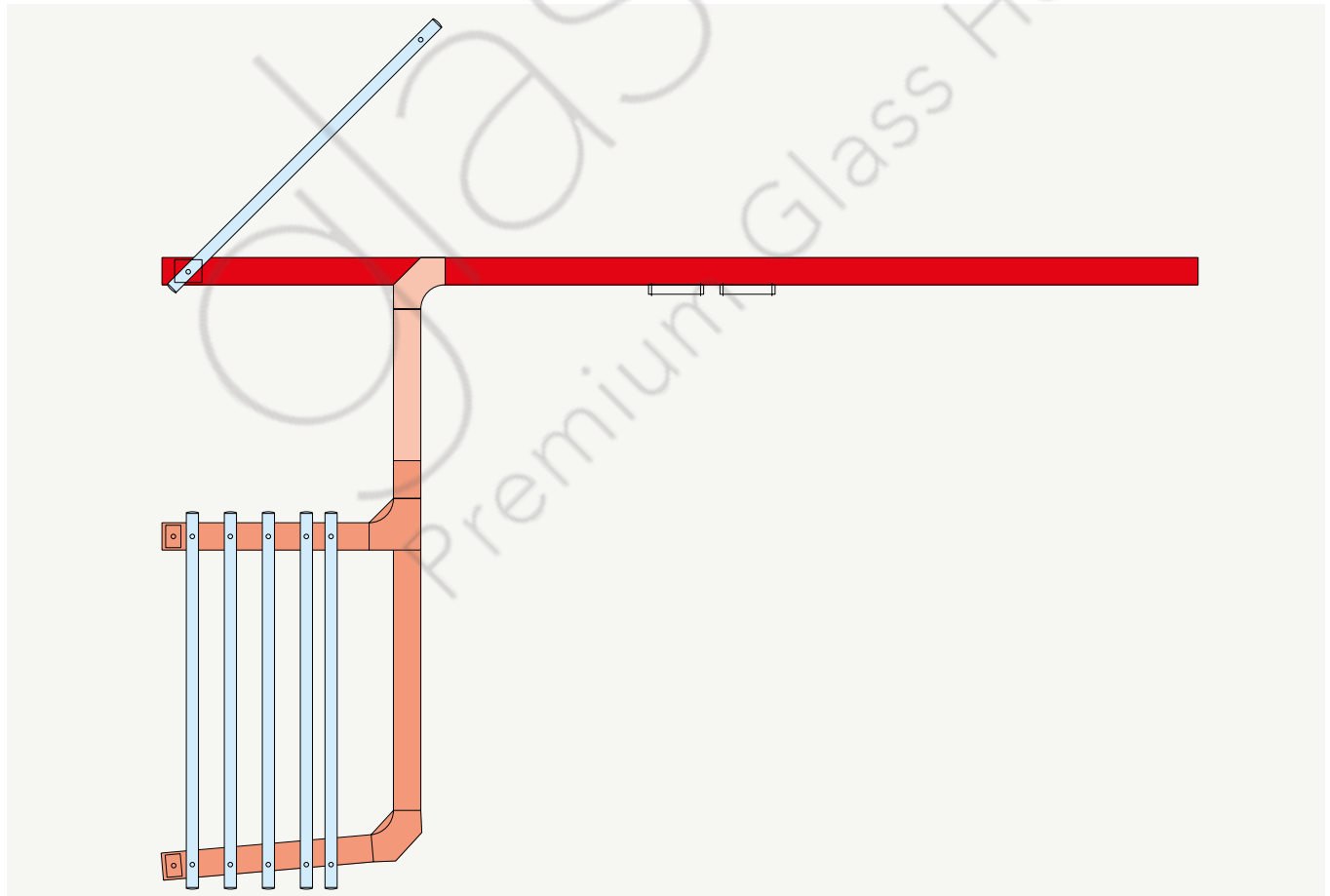
1 piece 90° curved section x 133,00 € (Art. No. 8.40.007.150.99) 137,00 €
 Additional track rail (0.5 m) x rack rail fixed length price per metre (1 m à 100,00 €) (Art. No. 8.40.022.150.99) 51,50 €

Stacking arrangement Variant A II (pre-assembled)

1 piece standard stacking arrangement x 776,00 € (Art. No. 8.40.018.150.99) 801,00 €

Total track rail plus stacking arrangement:

1607,50 €

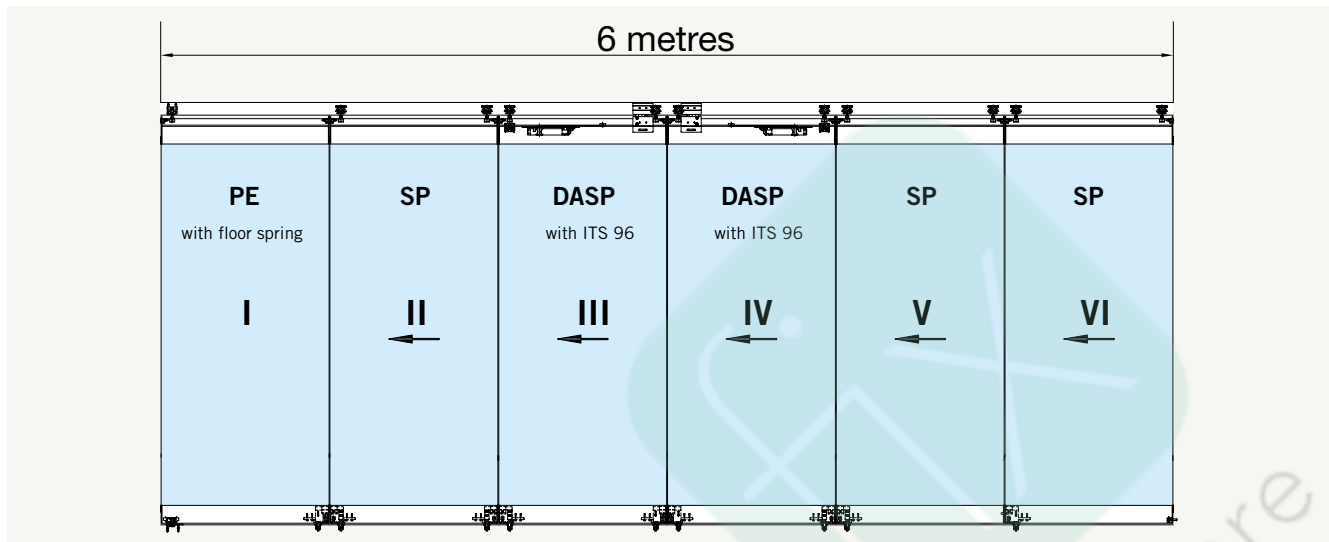


2. Composition and costing of the panels

The example illustrated below shows a HSW EASY Safe assembly designed as follows:

1 pivoting end panel, 3 sliding panels, 2 double action sliding panels with ITS 96.

The assembly is intended to be designed with carrier profiles. Supposed material and finish is aluminium silver.



1 Pivoting end panel (I)	Art. No. 8.40.113.150.99	785,00 €
3 Sliding panels à 749,00 € (II, V, VI)	Art. No. 8.40.114.150.99	2319,00 €
2 Double action sliding panels/ITS 96 à 3178,00 € (III, IV)	Art. No. 8.40.104.150.99	6560,00 €
Total panels:		9664,00 €

3. Addition and costing of accessories

A distinction is made between requisite and optional accessories. In the following example, only the requisite accessories are taken into account.

Additional bottom locking unit (8.40.000.005.50) Sliding panel II requires one additional floor bolt. Additional bottom locking unit		132,00 €
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Eccentric bushings (8.05.194.000.99) The number of the required eccentric bushings is calculated as follows: PE I 2 pieces + SP II 2 pieces + DASP III 2 pieces + DASP IV 2 pieces + SP V 1 piece + SP VI 1 piece 10 Eccentric bushings (à 22,50 €)		230,00 €
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In the example indicated, the top lock for the double action sliding panel is operated by a cardan crank. Please note the overall height of the system in this case. Due to the different heights of HSW systems, the prices of the handcranks are graduated according to their length.

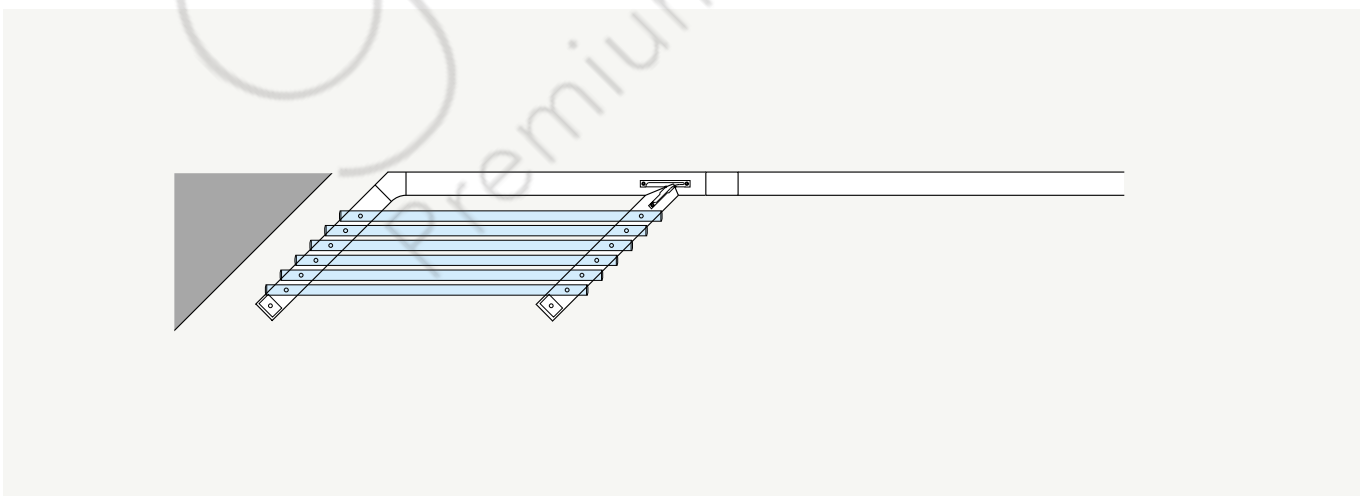
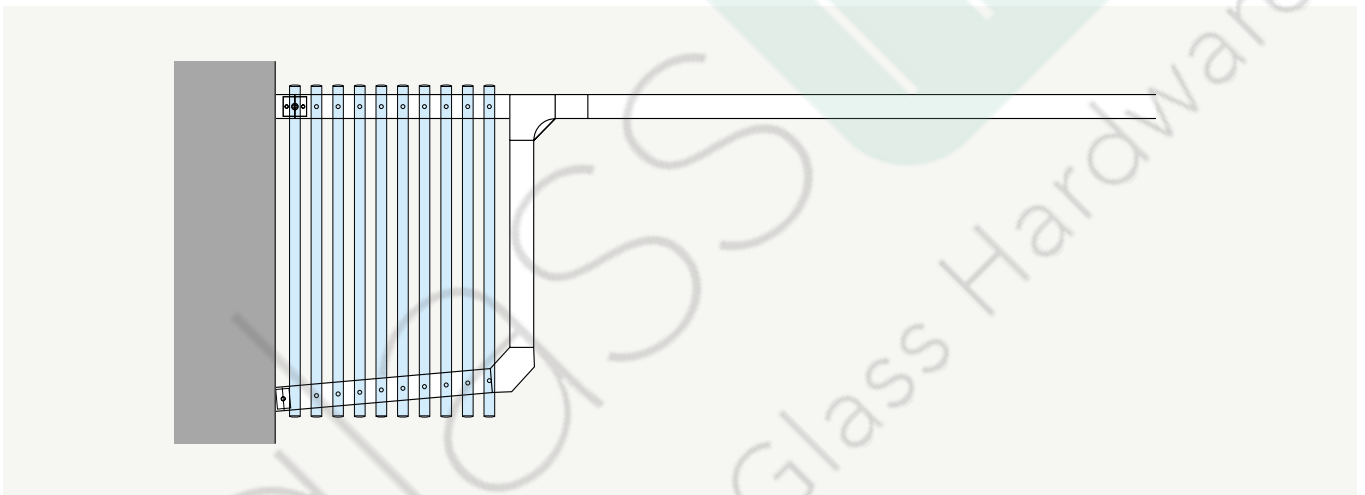
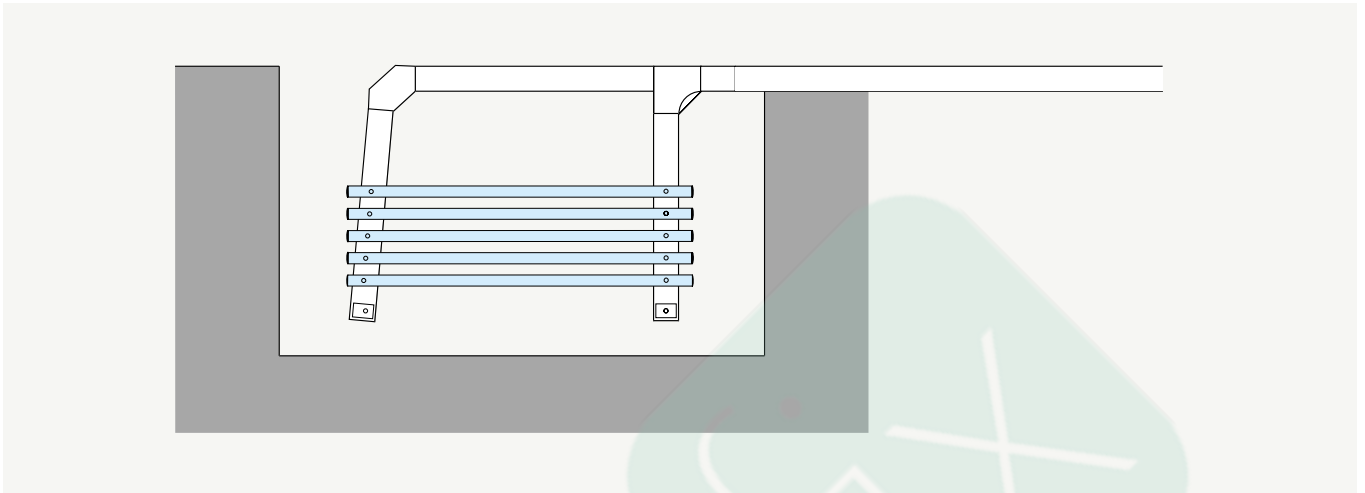
1 HSW-cardan crank for a system height up to 3.0 m		76,00 €
Total accessories:		438,00 €

4. Summary calculation of the example system

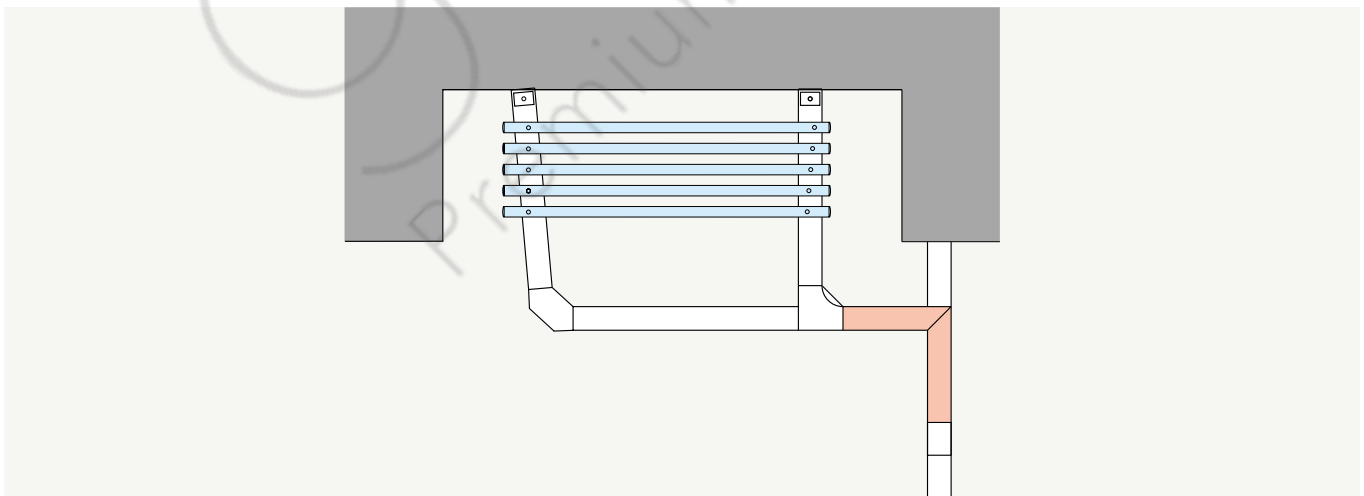
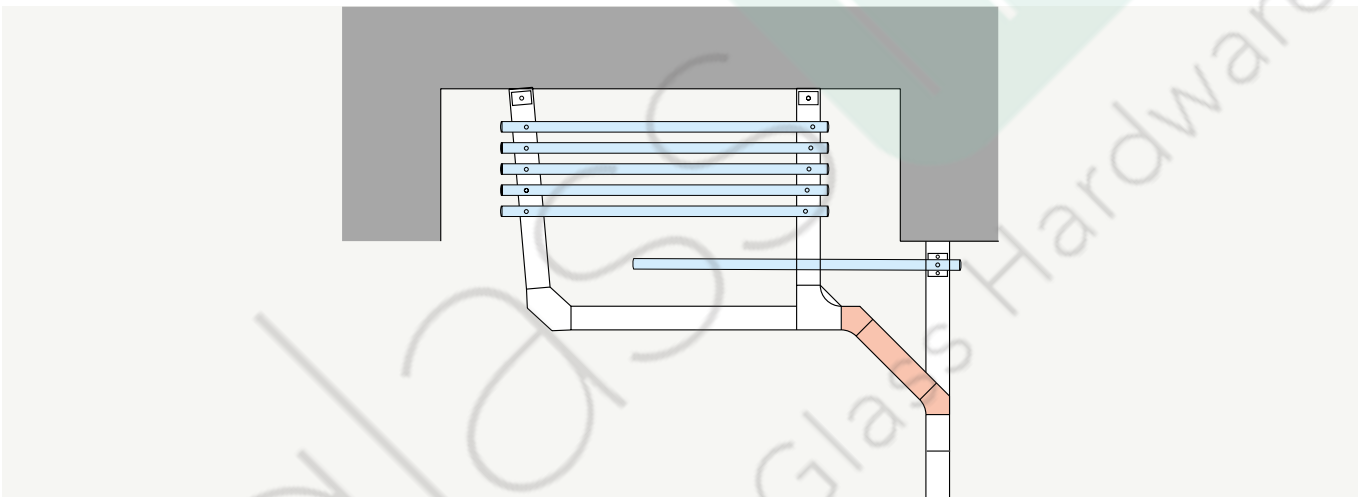
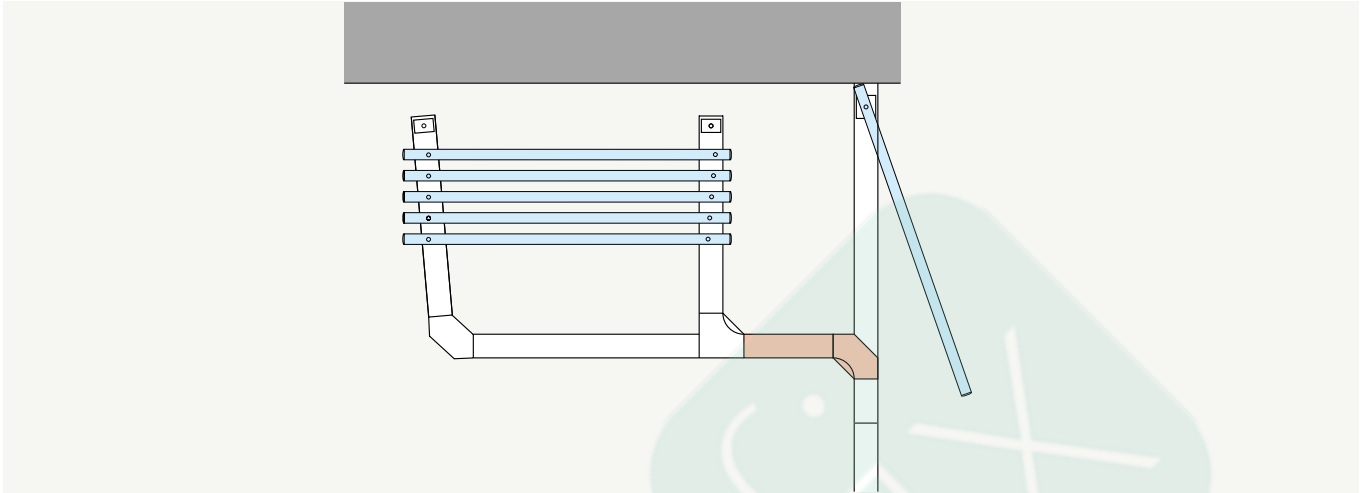
Total track length with stacking arrangement	1607,50 €
Total panels	9664,00 €
Total accessories	438,00 €
Final total:	11709,50 €

		Finish	Article No.	€/Piece
Stacking area pre-assembled, incl. maintenance section				
For examples see pages 11 and 12	Variant A I/A II Standard solution	AL mill finish	8.40.018.100.99	759,00
		AL silver anod	8.40.018.150.99	801,00
		AL niro anod	8.40.018.157.99	870,00
		AL white p-coat	8.40.018.350.99	798,00
		AL special color anod	8.40.018.199.99	891,00
		AL special color p-coat	8.40.018.399.99	838,00
		AL sim EV1 p-coat	8.40.018.318.99	818,00
For examples see page 13	Variant B Extended standard solution	AL mill finish	8.40.019.100.99	1531,00
		AL silver anod	8.40.019.150.99	1604,00
		AL niro anod	8.40.019.157.99	1723,00
		AL white p-coat	8.40.019.350.99	1551,00
		AL special color anod	8.40.019.199.99	1759,00
		AL special color p-coat	8.40.019.399.99	1653,00
		AL sim EV1 p-coat	8.40.019.318.99	1579,00
For examples see page 14	Variant C Special solution	AL mill finish	8.40.020.100.99	on request
		AL silver anod	8.40.020.150.99	on request
		AL niro anod	8.40.020.157.99	on request
		AL white p-coat	8.40.020.350.99	on request
		AL special color anod	8.40.020.199.99	on request
		AL special color p-coat	8.40.020.399.99	on request
		AL sim EV1 p-coat	8.40.020.318.99	on request
		Additional drawing and design costs	8.15.620.000.99	on request
Alumin. stacking arrangements as single components, incl. maintenance section				
For examples see pages 11 und 12	Variant A I/A II Standard solution	AL mill finish	8.40.168.100.99	474,00
		AL silver anod	8.40.168.150.99	516,00
		AL niro anod	8.40.168.157.99	586,00
		AL white p-coat	8.40.168.350.99	514,00
		AL special color anod	8.40.168.199.99	609,00
		AL special color p-coat	8.40.168.399.99	553,00
		AL sim EV1 p-coat	8.40.168.318.99	534,00
For examples see page 13	Variant B Extended standard solution	AL mill finish	8.40.169.100.99	963,00
		AL silver anod	8.40.169.150.99	1035,00
		AL niro anod	8.40.169.157.99	1155,00
		AL white p-coat	8.40.169.350.99	982,00
		AL special color anod	8.40.169.199.99	1190,00
		AL special color p-coat	8.40.169.399.99	1085,00
	AL sim EV1 p-coat	8.40.169.318.99	1012,00	

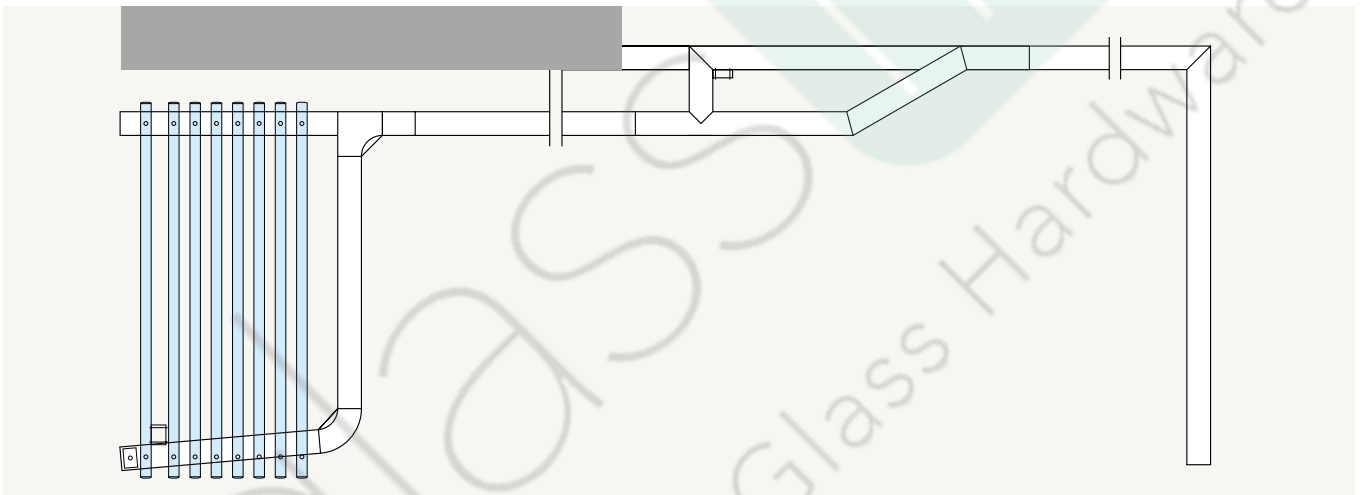
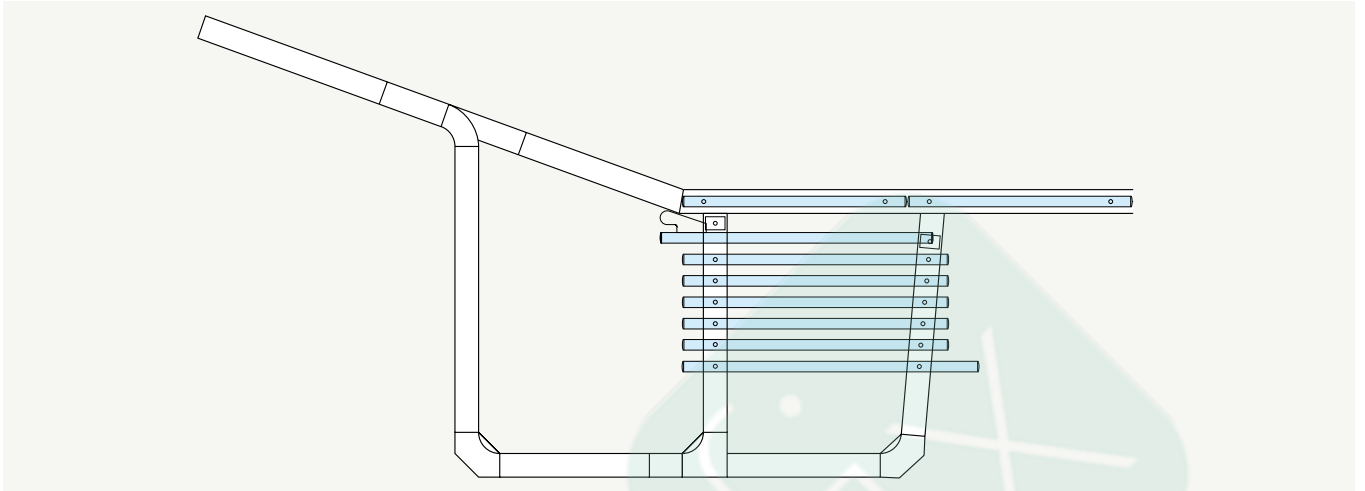
Variant A I



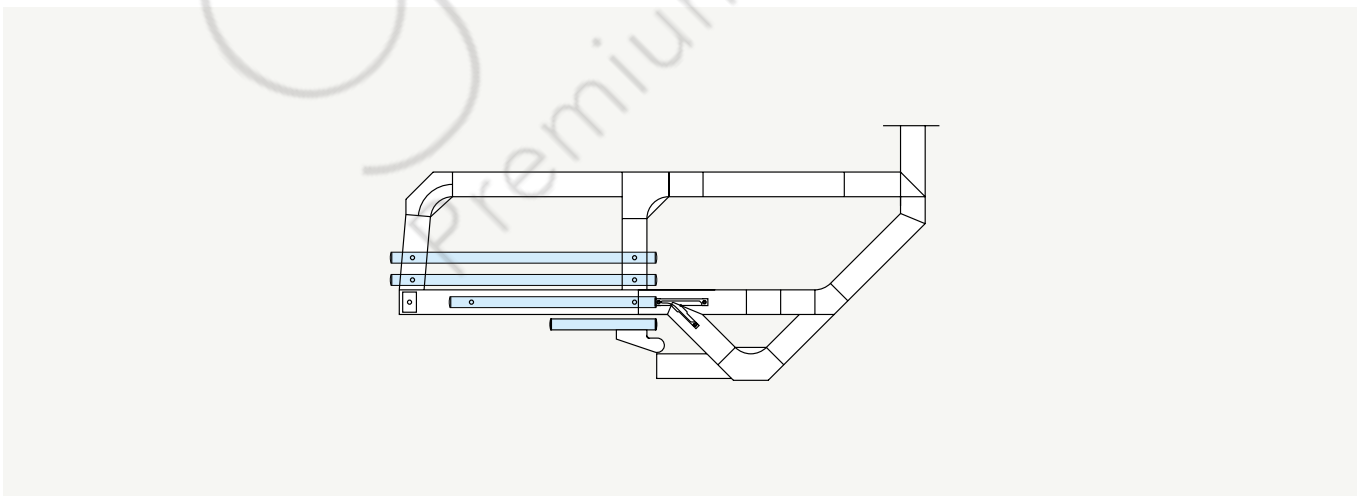
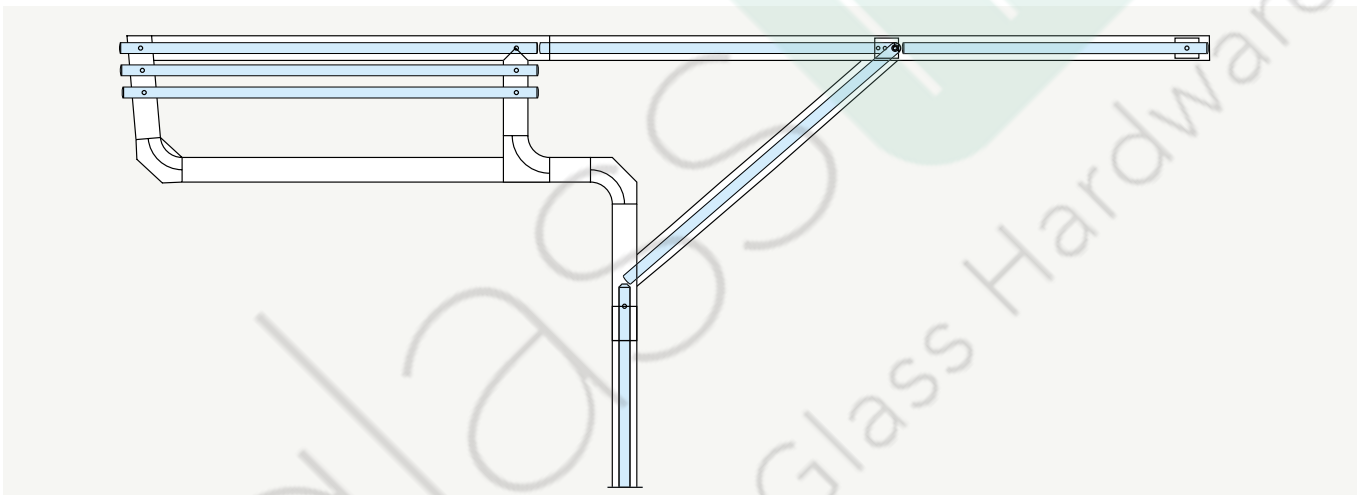
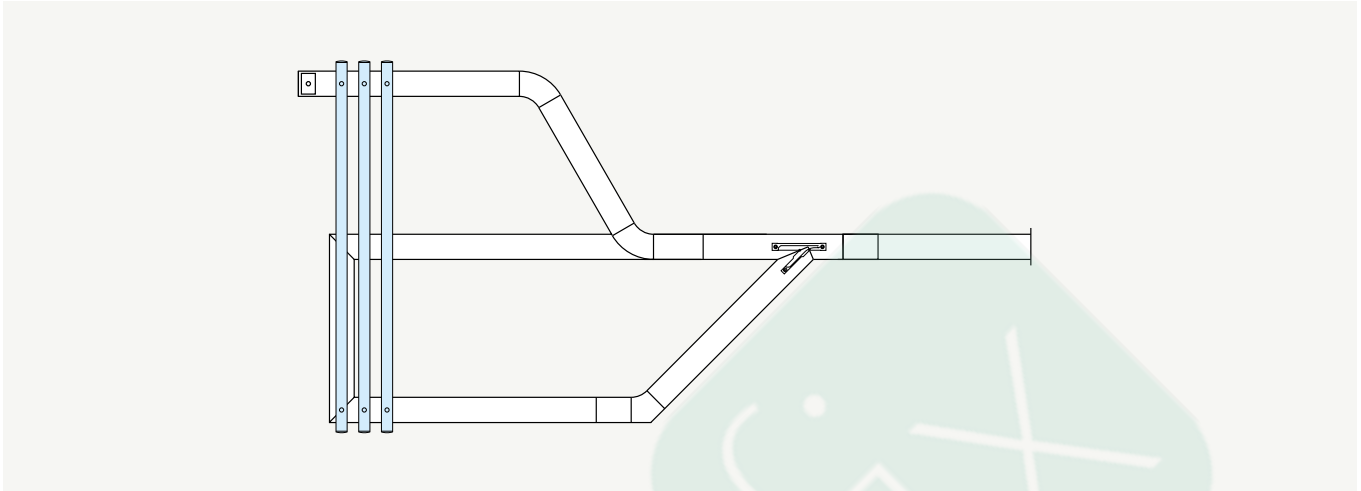
Variant A II


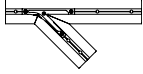
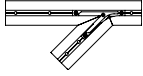
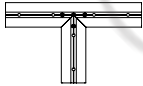
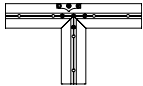



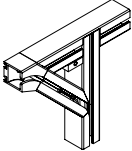
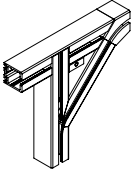

Variant B

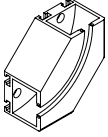
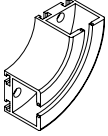
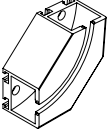


Variant C

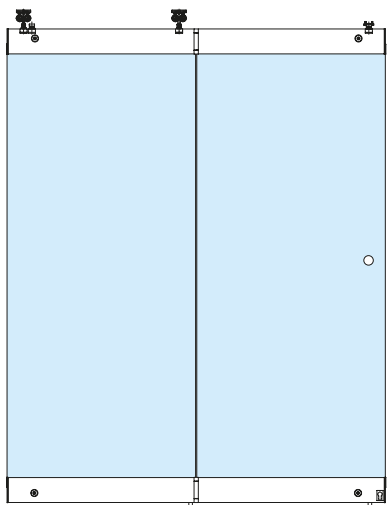


		Finish	Article No.	€ /m
 <p>Track rail 72 x 75 mm, drilled, fixed length</p>		AL mill finish	8.40.022.100.99	93,00
		AL silver anod	8.40.022.150.99	103,00
		AL niro anod	8.40.022.157.99	122,00
		AL white p-coat	8.40.022.350.99	101,00
		AL special color anod	8.40.022.199.99	127,00
		AL special color p-coat	8.40.022.399.99	106,00
		AL sim EV1 p-coat	8.40.022.318.99	101,00
	 <p>T-piece for angled configurations, 135°, left hand, for stacking area</p>		AL mill finish	8.40.010.100.99
		AL silver anod	8.40.010.150.99	245,00
		AL niro anod	8.40.010.157.99	257,00
		AL white p-coat	8.40.010.350.99	244,00
		AL special color anod	8.40.010.199.99	260,00
		AL special color p-coat	8.40.010.399.99	251,00
		AL sim EV1 p-coat	8.40.010.318.99	244,00
 <p>T-piece for angled configurations, 135°, right hand, for stacking area</p>			AL mill finish	8.40.011.100.99
		AL silver anod	8.40.011.150.99	245,00
		AL niro anod	8.40.011.157.99	257,00
		AL white p-coat	8.40.011.350.99	244,00
		AL special color anod	8.40.011.199.99	260,00
		AL special color p-coat	8.40.011.399.99	251,00
		AL sim EV1 p-coat	8.40.011.318.99	244,00
	<p>not illustrated</p> <p>L-piece 151–179° (adapted to specification) for stacking area</p>		AL mill finish	8.40.015.100.99
		AL silver anod	8.40.015.150.99	128,00
		AL niro anod	8.40.015.157.99	135,00
		AL white p-coat	8.40.015.350.99	123,00
		AL special color anod	8.40.015.199.99	124,00
		AL special color p-coat	8.40.015.399.99	134,00
		AL sim EV1 p-coat	8.40.015.318.99	128,00
 <p>T-piece 90°</p>			AL mill finish	8.40.012.100.99
		AL silver anod	8.40.012.150.99	201,00
		AL niro anod	8.40.012.157.99	214,00
		AL white p-coat	8.40.012.350.99	199,00
		AL special color anod	8.40.012.199.99	212,00
		AL special color p-coat	8.40.012.399.99	208,00
		AL sim EV1 p-coat	8.40.012.318.99	201,00
	 <p>T-piece 90° with deviation, for stacking area</p>		AL mill finish	8.40.013.100.99
		AL silver anod	8.40.013.150.99	208,00
		AL niro anod	8.40.013.157.99	238,00
		AL white p-coat	8.40.013.350.99	214,00
		AL special color anod	8.40.013.199.99	241,00
		AL special color p-coat	8.40.013.399.99	222,00
		AL sim EV1 p-coat	8.40.013.318.99	215,00

		Finish	Article No.	€ / Piece
	L-piece 90° for stacking area	AL mill finish	8.40.014.100.99	124,00
		AL silver anod	8.40.014.150.99	128,00
		AL niro anod	8.40.014.157.99	135,00
		AL white p-coat	8.40.014.350.99	123,00
		AL special color anod	8.40.014.199.99	124,00
		AL special color p-coat	8.40.014.399.99	134,00
		AL sim EV1 p-coat	8.40.014.318.99	128,00
	Module reshuffle bypass right hand	AL mill finish	8.40.017.100.99	608,00
		AL silver anod	8.40.017.150.99	626,00
		AL niro anod	8.40.017.157.99	626,00
		AL white p-coat	8.40.017.350.99	683,00
		AL special color anod	8.40.017.199.99	681,00
		AL special color p-coat	8.40.017.399.99	694,00
		AL sim EV1 p-coat	8.40.017.318.99	688,00
	Module reshuffle bypass left hand	AL mill finish	8.40.016.100.99	608,00
		AL silver anod	8.40.016.150.99	626,00
		AL niro anod	8.40.016.157.99	626,00
		AL white p-coat	8.40.016.350.99	683,00
		AL special color anod	8.40.016.199.99	681,00
		AL special color p-coat	8.40.016.399.99	672,00
		AL sim EV1 p-coat	8.40.016.318.99	688,00
	Module 06 45° curved section, cornered outside/inside, for stacking area	AL mill finish	8.40.006.100.99	112,00
		AL silver anod	8.40.006.150.99	119,00
		AL niro anod	8.40.006.157.99	134,00
		AL white p-coat	8.40.006.350.99	116,00
		AL special color anod	8.40.006.199.99	142,00
		AL special color p-coat	8.40.006.399.99	123,00
		AL sim EV1 p-coat	8.40.006.318.99	117,00

		Finish	Article No.	€/Piece
 <p>Module 07 90° curved section, cornered inside and outside</p>		AL mill finish	8.40.007.100.99	131,00
		AL silver anod	8.40.007.150.99	137,00
		AL niro anod	8.40.007.157.99	154,00
		AL white p-coat	8.40.007.350.99	134,00
		AL special color anod	8.40.007.199.99	161,00
		AL special color p-coat	8.40.007.399.99	141,00
		AL sim EV1 p-coat	8.40.007.318.99	135,00
 <p>Module 08 90° curved section, round inside and outside, for track angle 91° - 149° (please advise exact angle)</p>		AL mill finish	8.40.008.100.99	144,00
		AL silver anod	8.40.008.150.99	151,00
		AL niro anod	8.40.008.157.99	169,00
		AL white p-coat	8.40.008.350.99	148,00
		AL special color anod	8.40.008.199.99	167,00
		AL special color p-coat	8.40.008.399.99	156,00
		AL sim EV1 p-coat	8.40.008.318.99	150,00
 <p>Module 09 85° curved section, cornered inside and outside</p>		AL mill finish	8.40.009.100.99	131,00
		AL silver anod	8.40.009.150.99	137,00
		AL niro anod	8.40.009.157.99	154,00
		AL white p-coat	8.40.009.350.99	134,00
		AL special color anod	8.40.009.199.99	152,00
		AL special color p-coat	8.40.009.399.99	141,00
		AL sim EV1 p-coat	8.40.009.318.99	135,00
	HSW panel stop for sliding track incl. fastening material		8.40.069.000.99	20,00
	HSW sliding track connector packing unit: 2 pieces	AL mill finish	8.40.092.000.99	9,80
	Connecting pins 4 x 20 mm for track profiles Set = 100 pieces		8.40.050.653.30	22,00

		Finish	Article No.	€/Piece	
 <p>Sliding panel without carrier profile with top double brush seal and bottom Multilock (prepared for Euro profile cylinder, end mounted locking bolt or face mounted slide bolt)</p> <p>Dimensions max. panel width 1250 mm max. system height 4000 mm max. panel weight 150 kg</p>		AL mill finish	8.40.102.100.99	609,00	
		AL silver anod	8.40.102.150.99	623,00	
		AL niro anod	8.40.102.157.99	656,00	
		AL white p-coat	8.40.102.350.99	646,00	
		AL special color anod	8.40.102.199.99	656,00	
		AL special color p-coat	8.40.102.399.99	673,00	
		AL sim EV1 p-coat	8.40.102.318.99	656,00	
		Satin stainl steel	8.40.102.700.99	700,00	
	 <p>Pivoting end panel without carrier profile single or double acting with top double brush seal and Multilock with Euro profile cylinder, incl. floor pivot</p> <p>Dimensions max. panel width 1250 mm max. system height 4000 mm max. panel weight 150 kg</p>		AL mill finish	8.40.101.100.99	611,00
			AL silver anod	8.40.101.150.99	636,00
		AL niro anod	8.40.101.157.99	676,00	
		AL white p-coat	8.40.101.350.99	643,00	
		AL special color anod	8.40.101.199.99	676,00	
		AL special color p-coat	8.40.101.399.99	688,00	
		AL sim EV1 p-coat	8.40.101.318.99	676,00	
		Satin stainl steel	8.40.101.700.99	746,00	
 <p>Fixed panel without carrier profile with top double brush seal and two top clamps for fixed panels and with bottom spacer profile</p> <p>Dimensions max. panel width 1250 mm max. system height 4000 mm max. panel weight 150 kg</p>			AL mill finish	8.40.103.100.99	516,00
			AL silver anod	8.40.103.150.99	531,00
		AL niro anod	8.40.103.157.99	567,00	
		AL white p-coat	8.40.103.350.99	553,00	
		AL special color anod	8.40.103.199.99	567,00	
		AL special color p-coat	8.40.103.399.99	591,00	
		AL sim EV1 p-coat	8.40.103.318.99	567,00	
		Satin stainl steel	8.40.103.700.99	635,00	


**Sliding-folding panel
without carrier profile**

hinged,
with lock and bottom locking bolt,
incl. glass knob

Dimensions

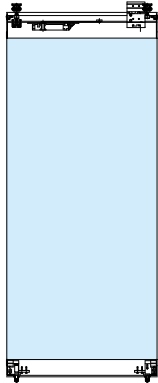
max. panel width 1000 mm
max. system height 3000 mm
max. panel weight 80 kg

(Panel dimensions relate to single
panels within the assembly unit)

Finish	Article No.	€/Piece
AL mill finish	8.40.107.100.99	1492,00
AL silver anod	8.40.107.150.99	1547,00
AL niro anod	8.40.107.157.99	1688,00
AL white p-coat	8.40.107.350.99	1544,00
AL special color anod	8.40.107.199.99	1708,00
AL special color p-coat	8.40.107.399.99	1575,00
AL sim EV1 p-coat	8.40.107.318.99	1563,00
Satin stainl steel	8.40.107.700.99	1844,00

glass
Premium Glass Hardware

	Finish	Article No.	€/Piece	
 <p>Sliding panel incl. carrier profile* with top double brush seal and bottom Multilock (prepared for Euro profile cylinder, end mounted locking bolt or face mounted slide bolt)</p> <p>Dimensions max. panel width 1250 mm max. system height 4000 mm max. panel weight 150 kg</p> <p>* In assemblies in finish 700 the carrier profiles are clad in stainless steel</p>	AL mill finish	8.40.114.100.99	759,00	
	AL silver anod	8.40.114.150.99	773,00	
	AL niro anod	8.40.114.157.99	806,00	
	AL white p-coat	8.40.114.350.99	796,00	
	AL special color anod	8.40.114.199.99	806,00	
	AL special color p-coat	8.40.114.399.99	823,00	
	AL sim EV1 p-coat	8.40.114.318.99	806,00	
	Satin stainl steel	8.40.114.700.99	901,00	
	 <p>Pivoting end panel, incl. carrier profile* single or double acting, with top double brush seal and Multilock with Euro profile cylinder, incl. floor pivot</p> <p>Dimensions max. panel width 1250 mm max. system height 4000 mm max. panel weight 150 kg</p> <p>* In assemblies in finish 700 the carrier profiles are clad in stainless steel</p>	AL mill finish	8.40.113.100.99	761,00
		AL silver anod	8.40.113.150.99	785,00
AL niro anod		8.40.113.157.99	826,00	
AL white p-coat		8.40.113.350.99	793,00	
AL special color anod		8.40.113.199.99	826,00	
AL special color p-coat		8.40.113.399.99	838,00	
AL sim EV1 p-coat		8.40.113.318.99	826,00	
Satin stainl steel		8.40.113.700.99	955,00	
 <p>Fixed panel incl. carrier profile* with top double brush seal and two top clamps for fixed panels and with bottom spacer profile</p> <p>Dimensions max. panel width 1250 mm max. system height 4000 mm max. panel weight 150 kg</p> <p>* In assemblies in finish 700 the carrier profiles are clad in stainless steel</p>		AL mill finish	8.40.115.100.99	666,00
		AL silver anod	8.40.115.150.99	681,00
	AL niro anod	8.40.115.157.99	716,00	
	AL white p-coat	8.40.115.350.99	703,00	
	AL special color anod	8.40.115.199.99	716,00	
	AL special color p-coat	8.40.115.399.99	741,00	
	AL sim EV1 p-coat	8.40.115.318.99	716,00	
	Satin stainl steel	8.40.115.700.99	829,00	
	 <p>Single action sliding panel with ITS 96 incl. carrier profile* with top brush seal and ITS 96 and adjustable hold open, upper locking unit, inward or outward opening, without cardan crank (for cardan crank, see page 43)</p> <p>Dimensions max. panel width 1250 mm max. system height 3600 mm max. panel weight 120 kg</p> <p>* In assemblies in finish 700 the carrier profiles are clad in stainless steel</p>	AL mill finish	8.40.105.100.99	2892,00
		AL silver anod	8.40.105.150.99	3018,00
AL niro anod		8.40.105.157.99	3242,00	
AL white p-coat		8.40.105.350.99	3118,00	
AL special color anod		8.40.105.199.99	3242,00	
AL special color p-coat		8.40.105.399.99	3242,00	
AL sim EV1 p-coat		8.40.105.318.99	3242,00	
Satin stainl steel		8.40.105.700.99	3734,00	



Double action sliding panel with ITS 96 incl. carrier profile*

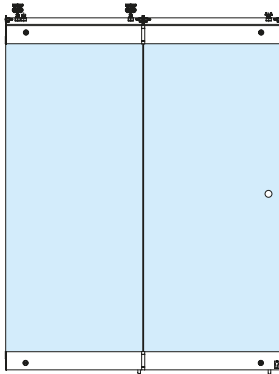
with top brush seal and ITS 96 and adjustable hold open, upper locking unit, inward and outward opening, without cardan crank (for cardan crank, see page 40)

Dimensions

max. panel width 1250 mm
max. system height 3600 mm
max. panel weight 120 kg

* In assemblies in finish 700 the carrier profiles are clad in stainless steel

Finish	Article No.	€/Piece
AL mill finish	8.40.104.100.99	3142,00
AL silver anod	8.40.104.150.99	3280,00
AL niro anod	8.40.104.157.99	3484,00
AL white p-coat	8.40.104.350.99	3379,00
AL special color anod	8.40.104.199.99	3484,00
AL special color p-coat	8.40.104.399.99	3484,00
AL sim EV1 p-coat	8.40.104.318.99	3484,00
Satin stainl steel	8.40.104.700.99	3924,00



Sliding-folding panel with carrier profile *

hinged, with lock and bottom locking bolt, incl. glass knob

Dimensions



max. panel width 1000 mm
max. system height 3000 mm
max. panel weight 80 kg

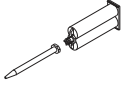
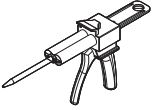
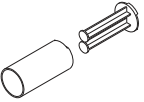
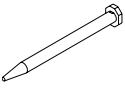
* In assemblies in finish 700 the carrier profiles are clad in stainless steel

AL mill finish	8.40.118.100.99	1579,00
AL silver anod	8.40.118.150.99	1639,00
AL niro anod	8.40.118.157.99	1844,00
AL white p-coat	8.40.118.350.99	1700,00
AL special color anod	8.40.118.199.99	1863,00
AL special color p-coat	8.40.118.399.99	1660,00
AL sim EV1 p-coat	8.40.118.318.99	1650,00
Satin stainl steel	8.40.118.700.99	1975,00

HSW EASY Safe Surcharges for additional panel options





	Article No.	€/Piece
Surcharge per panel for glass thicknesses greater than 12 mm	8.40.000.001.50	67,00
Surcharge per panel for Clamp&Glue bonding of LSG made of TSG	8.40.144.000.99	99,50
Surcharge for one additional upper locking unit	8.40.000.004.50	172,00
Surcharge for one additional bottom locking unit	8.40.000.005.50	132,00
Surcharge per panel for bottom double brush seal	8.40.000.006.50	87,00

		Finish	Article No.	€ /m
	Vertical sealing profile incl. sealing brush, in fixed length without preparation, standard	AL mill finish	8.40.061.100.99	15,50
		AL black anod	8.40.061.109.99	22,50
	Vertical sealing profile incl. sealing brush, in fixed length prepared for end mounted slide bolt	AL mill finish	8.40.062.100.99	15,50
		AL black anod	8.40.062.109.99	22,50
	Vertical sealing profile incl. sealing brush, in fixed length prepared for receiving end mounted slide bolt	AL mill finish	8.40.065.100.99	15,50
		AL black anod	8.40.065.109.99	22,50
	Vertical sealing profile incl. sealing brush, in fixed length prepared for end pin	AL mill finish	8.40.063.100.99	15,50
		AL black anod	8.40.063.109.99	22,50
	Vertical sealing profile incl. sealing brush, in fixed length prepared for Multilock as face mounted slide bolt	AL mill finish	8.40.064.100.99	15,50
		AL black anod	8.40.064.109.99	22,50
	Vertical sealing profile incl. sealing brush, in fixed length prepared for Multilock as lock for profile cylinder	AL mill finish	8.40.066.100.99	15,50
		AL black anod	8.40.066.109.99	22,50
	HSW EASY Safe end cap 50 mm high, for carrier profile	AL mill finish	8.40.067.100.99	41,00
		AL black anod	8.40.067.109.99	43,00
Stamping tool for vertical sealing profile			8.40.070.000.99	127,00

	Article No.	€/Piece
Only necessary for option Clamp & Glue		
	Special adhesive and mixing jet for use with LSG for use in combination with Art. No. 07.629 or 07.628	8.07.631.000.99 ■ 84,00
	Automix-Squeezer for use in combination with Art. No. 07.631	8.07.629.000.99 ■ 111,00
	Automix-Adapter for use in combination with Art. No. 07.631	8.07.628.000.99 ■ 9,00
	Extra Mixing jet for use in combination with Art. No. 07.631	8.07.630.000.99 ■ 3,30

glass

Premium Glass Hardware

	Finish	Article No.	€ / Piece
OFFICE Junior – locks for levers with roses			
Complying to the current DIN EN 12209 – designed for use in public buildings.			
All locks with low noise whisper functionality and adjustable handle follower +/- 1°.			
	Lock prepared for Europrofile cylinder with nightlatch function, left hand (Strike-box: Art. No. 811.207.XXX.99 see below)	AL silver anod	8.11.200.150.99 99,50
		AL traffic white p-coat	8.11.200.300.99 99,50
		AL niro anod	8.11.200.157.99 125,00
		AL special color anod	8.11.200.199.99 180,00
		AL special color p-coat	8.11.200.399.99 180,00
		do., right hand (Strike-box: Art. No. 811.206.XXX.99 see below)	AL silver anod
		AL traffic white p-coat	8.11.201.300.99 99,50
		AL niro anod	8.11.201.157.99 125,00
		AL special color anod	8.11.201.199.99 180,00
		AL special color p-coat	8.11.201.399.99 180,00
	Non-locking latch, left hand (Strike-box: Art. No. 811.207.XXX.99 see below)	AL silver anod	8.11.212.150.99 99,50
		AL niro anod	8.11.212.157.99 125,00
		Satin stainl steel	8.11.212.700.99 184,00
		AL special color anod	8.11.212.199.99 180,00
		AL special color p-coat	8.11.212.399.99 180,00
		do., right hand (Strike-box: Art. No. 811.206.XXX.99 see below)	AL silver anod
		AL niro anod	8.11.213.157.99 125,00
		Satin stainl steel	8.11.213.700.99 184,00
		AL special color anod	8.11.213.199.99 180,00
		AL special color p-coat	8.11.213.399.99 180,00
	Strike-box left hand	AL silver anod	8.11.206.150.99 83,00
		AL traffic white p-coat	8.11.206.300.99 83,00
		AL niro anod	8.11.206.157.99 122,00
		Satin stainl steel	8.11.206.700.99 164,00
		AL special color anod	8.11.206.199.99 141,00
		AL special color p-coat	8.11.206.399.99 141,00
	Strike-box right hand	AL silver anod	8.11.207.150.99 83,00
		AL traffic white p-coat	8.11.207.300.99 83,00
		AL niro anod	8.11.207.157.99 122,00
		Satin stainl steel	8.11.207.700.99 164,00
		AL special color anod	8.11.207.199.99 141,00
		AL special color p-coat	8.11.207.399.99 141,00

		Finish	Article No.	€/Piece
	Centre lock US 20 for profile cylinder, (Strike-box: Art. No. 803.224.XXX.99 see below)	AL silver EV1 anod	8.03.215.101.99	93,50
		AL traffic white p-coat	8.03.215.300.99	93,50
		Satin stainl steel	8.03.215.700.99	135,00
		AL special color anod	8.03.215.199.99	133,00
		AL special color p-coat	8.03.215.399.99	133,00
	Centre lock US 20 for half profile cylinder, left hand (Strike-box: Art. No. 803.224.XXX.99 see below)	AL silver EV1 anod	8.03.290.101.99	93,50
		AL traffic white p-coat	8.03.290.300.99	93,50
		Satin stainl steel	8.03.290.700.99	135,00
		AL special color anod	8.03.290.199.99	133,00
		AL special color p-coat	8.03.290.399.99	133,00
	Centre lock US 20 for half profile cylinder, right hand (Strike-box: Art. No. 803.224.XXX.99 see below)	AL silver EV1 anod	8.03.289.101.99	93,50
		AL traffic white p-coat	8.03.289.300.99	93,50
		Satin stainl steel	8.03.289.700.99	135,00
		AL special color anod	8.03.289.199.99	133,00
		AL special color p-coat	8.03.289.399.99	133,00
	Strike box GK 50	AL silver EV1 anod	8.03.224.101.99	93,00
		AL traffic white p-coat	8.03.224.300.99	93,00
		Satin stainl steel	8.03.224.700.99	134,00
		AL special color anod	8.03.224.199.99	131,00
		AL special color p-coat	8.03.224.399.99	131,00
	Centre lock with latch and lock bolt, with rose handle on inside and fixed knob on outside and profile cylinder roses, left hand (Strike-box: Art. No. 811.207.XXX.99 see page 24)	AL silver EV1 anod	8.05.240.101.99	368,00
		AL special color anod	8.05.240.199.99	487,00
		AL special color p-coat	8.05.240.399.99	487,00
	Centre lock with latch and lock bolt, with rose handle on inside and fixed knob on outside and profile cylinder roses, right hand (Strike-box: Art. No. 811.206.XXX.99 see page 24)	AL silver EV1 anod	8.05.241.101.99	368,00
		AL special color anod	8.05.241.199.99	487,00
		AL special color p-coat	8.05.241.399.99	487,00

		Finish	Article No.	€ / Piece
	Pair of handle bars back to back fixing for 8, 10 and 12 mm glass thickness, incl. connecting bolt			
	Length 350 mm with 2 connecting bolts	Satin stainl steel	8.21.267.700.99	150,00
	Length 720 mm with 2 connecting bolts	Satin stainl steel	8.21.270.700.99	187,00
	Length 1240 mm with 3 connecting bolts	Satin stainl steel	8.21.273.700.99	336,00
	Length 1760 mm with 4 connecting bolts	Satin stainl steel	8.21.276.700.99	378,00
	Arcos handle bar (pair) for 8, 10 and 12 mm glass thickness, incl. connecting bolt			
	drilled hole distance 350 mm	AL satin stainl steel look	8.26.500.126.99	271,00
	drilled hole distance 750 mm	AL satin stainl steel look	8.26.510.126.99	327,00
	drilled hole distance 350 mm	AL EV1-Deco anod	8.26.500.114.99	192,00
	drilled hole distance 750 mm	AL EV1-Deco anod	8.26.510.114.99	231,00
	Thumbturn half cylinder	Brass silver EV1 coated	8.10.311.101.99	44,50
		Brass sim satin stainl steel coated	8.10.311.107.99	58,50
		Brass special coated	8.10.311.399.99	68,50
	Tubular levers with roses, aluminium	AL silver EV1 anod	8.10.307.101.99	54,00
		AL traffic white p-coat	8.10.307.300.99	64,00
		AL sim satin stainl steel anod	8.10.307.107.99	63,00
		AL special color anod	8.10.307.199.99	82,00
		AL special color p-coat	8.10.307.399.99	82,00
	Lever and knob set with tubular lever and free turnable knob for lock, without roses (without function)	AL silver EV1 anod	8.10.316.101.99	65,00
		AL traffic white p-coat	8.10.316.300.99	65,00
		AL sim satin stainl steel anod	8.10.316.107.99	76,50
		AL special color anod	8.10.316.199.99	93,50
		AL special color p-coat	8.10.316.399.99	93,50
	Lever and knob set with tubular lever and fixed knob, with roses (without function)	AL silver EV1 anod	8.10.318.101.99	92,50
		AL traffic white p-coat	8.10.318.300.99	92,50
		AL sim satin stainl steel anod	8.10.318.107.99	107,00
		AL special color anod	8.10.318.199.99	127,00
		AL special color p-coat	8.10.318.399.99	127,00
	Handle rose for 8, 10 and 12 mm glass thickness	AL silver EV1 anod	8.07.200.101.99	54,00
		AL traffic white p-coat	8.07.200.300.99	54,00
		AL sim satin stainl steel anod C31	8.07.200.113.99	82,00
		AL special color p-coat	8.07.200.399.99	91,00
	Aluminium door knob	AL silver EV1 anod	8.07.201.101.99	90,50
		AL traffic white p-coat	8.07.201.300.99	90,50
		AL sim satin stainl steel anod C31	8.07.201.113.99	133,00
		AL special color p-coat	8.07.201.399.99	156,00
	Cristall glass knob, white complete, for 10 – 12 mm glass		8.15.040.000.99	36,50
	adjustable bottom pivot with round spindle, up to 150 kg		8.01.125.001.55	79,50



Instructions for pricing a FSW system

Jede Produktgruppe zeigt die Auflistung der Flügelvarianten

1. Costing of the track configuration

The calculation of the track rail needs only one step:

- Determination of track rail length

In order to facilitate the calculation of the track rail length, it is advisable to assume the entire opening width as the budget dimension for the quotation phase.

2. Composition and costing of the panels

Determine the number and type of panels required for your system. Please make a note of the relevant technical specifications, e.g. the maximum values for the panel width, system height and panel weight.

3. Addition and costing of accessories

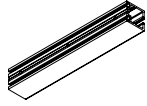
In general, a distinction is made between requisite and optional accessories.

Requisite accessories

Requisite accessories are those components not included in the panel price but nevertheless necessary for the function of the HSW/FSW EASY Safe system, such as bushings for receiving the floor bolts, or a HSW cardan crank for operation of the top locking device.

Optional accessories

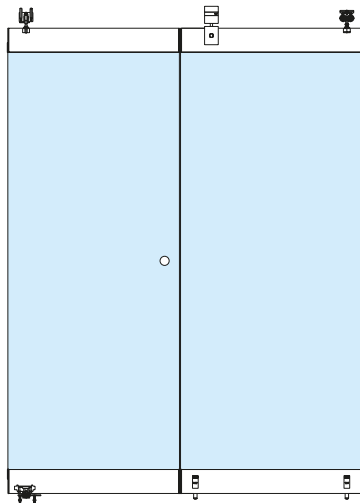
Optional accessories are those components which may be additionally "desired" but are not absolutely necessary, e.g. handle bars and side and bottom brush seals for improved protection against draughts.



Track rail
72 mm x 75 mm, drilled,
in fixed length

Finish	Article No.	€ /m
AL mill finish	8.40.022.100.99	93,00
AL silver anod	8.40.022.150.99	103,00
AL niro anod	8.40.022.157.99	122,00
AL special color anod	8.40.022.199.99	127,00
AL sim EV1 p-coat.	8.40.022.318.99	101,00
AL white p-coat	8.40.022.350.99	106,00
AL special color p-coat	8.40.022.399.99	101,00

glass
Premium Glass Hardware

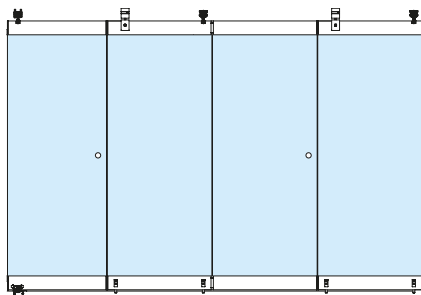


FSW EASY Safe panel assembly (2 panels), without carrier profile
with two bottom bolts and top lock, without cardan crank, (for cardan crank, see page 43) incl. glass knob

Dimensions
max. panel width 1000 mm
max. system height 3000 mm
max. panel weight 80 kg

(Panel dimensions relate to single panels within the assembly unit)

Finish	Article No.	€/Piece
AL mill finish	8.40.108.100.99	1724,00
AL silver anod	8.40.108.150.99	1779,00
AL niro anod	8.40.108.157.99	1909,00
AL special color anod	8.40.108.199.99	1922,00
AL sim EV1 p-coat	8.40.108.318.99	1791,00
AL white p-coat	8.40.108.350.99	1779,00
AL high weather resist p-coat	8.40.108.398.99	1798,00
AL special color p-coat	8.40.108.399.99	1798,00
Satin stainl steel	8.40.108.700.99	2075,00

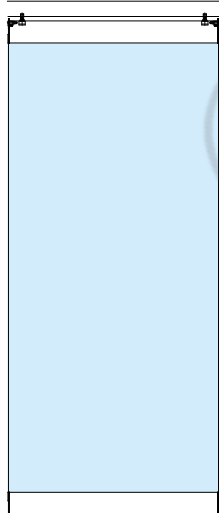


FSW EASY Safe panel assembly (4 panels), without carrier profile
with four bottom bolts and top lock, without cardan crank, (for cardan crank, see page 43) incl. glass knobs on panels 1 and 3

Dimensions
max. panel width 1000 mm
max. system height 3000 mm
max. panel weight 80 kg

(Panel dimensions relate to single panels within the assembly unit)

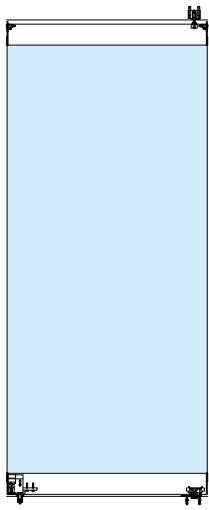
AL mill finish	8.40.109.100.99	3282,00
AL silver anod	8.40.109.150.99	3405,00
AL niro anod	8.40.109.157.99	3721,00
AL special color anod	8.40.109.199.99	3756,00
AL sim EV1 p-coat	8.40.109.318.99	3367,00
AL white p-coat	8.40.109.350.99	3403,00
AL high weather resist p-coat	8.40.109.398.99	3382,00
AL special color p-coat	8.40.109.399.99	3382,00
Satin stainl steel	8.40.109.700.99	4044,00



Fixed panel without carrier profile
with two top clamp fixing units and bottom spacer profile

Dimensions
max. panel width 1250 mm
max. system height 4000 mm
max. panel weight 150 kg

AL mill finish	8.40.103.100.99	516,00
AL silver anod	8.40.103.150.99	531,00
AL niro anod	8.40.103.157.99	567,00
AL special color anod	8.40.103.199.99	567,00
AL sim EV1 p-coat	8.40.103.318.99	567,00
AL white p-coat	8.40.103.350.99	553,00
AL high weather resist p-coat	8.40.103.398.99	616,00
AL special color p-coat	8.40.103.399.99	591,00
Satin stainl steel	8.40.103.700.99	635,00



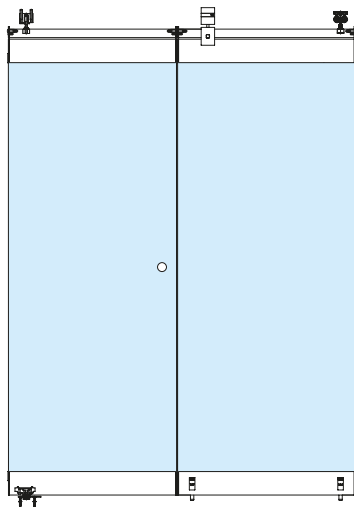
**Pivoting end panel
without carrier profile**
single or double action,
with Multilock prepared
for profile cylinder
incl. floor pivot with round spindle

Dimensions

max. panel width 1250 mm
max. system height 4000 mm
max. panel weight 150 kg

Finish	Article No.	€ / Piece
AL mill finish	8.40.101.100.99	611,00
AL silver anod	8.40.101.150.99	636,00
AL niro anod	8.40.101.157.99	676,00
AL special color anod	8.40.101.199.99	676,00
AL sim EV1 p-coat	8.40.101.318.99	676,00
AL white p-coat	8.40.101.350.99	643,00
AL high weather resist p-coat	8.40.101.398.99	763,00
AL special color p-coat	8.40.101.399.99	688,00
Satin stainl steel	8.40.101.700.99	746,00

glass
Premium Glass Hardware



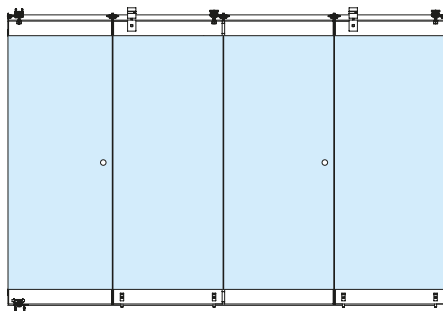
FSW EASY Safe panel assembly (2 panels), with carrier profile*
with two bottom bolts and top lock, without cardan crank, (for cardan crank, see page 43) incl. glass knob

Dimensions
max. panel width 1000 mm
max. system height 3000 mm
max. panel weight 80 kg

(Panel dimensions relate to single panels within the assembly unit)

* In assemblies in finish 700 the carrier profiles are clad in stainless steel

Finish	Article No.	€/Piece
AL mill finish	8.40.280.100.99	1811,00
AL silver anod	8.40.280.150.99	1872,00
AL niro anod	8.40.280.157.99	2065,00
AL special color anod	8.40.280.199.99	2077,00
AL sim EV1 p-coat	8.40.280.318.99	1877,00
AL white p-coat	8.40.280.350.99	1935,00
AL high weather resist p-coat	8.40.280.398.99	1885,00
AL special color p-coat	8.40.280.399.99	1885,00
Satin stainl steel	8.40.280.700.99	2207,00



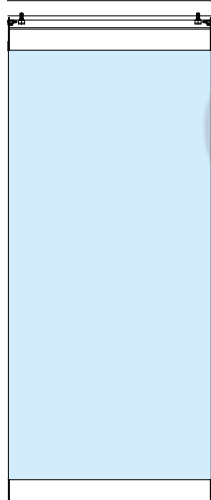
FSW EASY Safe panel assembly (4 panels), with carrier profile*
with four bottom bolts and top lock, without cardan crank, (for cardan crank, see page 43) incl. glass knob on panels 1 and 3

Dimensions
max. panel width 1000 mm
max. system height 3000 mm
max. panel weight 80 kg

(Panel dimensions relate to single panels within the assembly unit)

* In assemblies in finish 700 the carrier profiles are clad in stainless steel

AL mill finish	8.40.281.100.99	3456,00
AL silver anod	8.40.281.150.99	3590,00
AL niro anod	8.40.281.157.99	4033,00
AL special color anod	8.40.281.199.99	4068,00
AL sim EV1 p-coat	8.40.281.318.99	3542,00
AL white p-coat	8.40.281.350.99	3714,00
AL high weather resist p-coat	8.40.281.398.99	3556,00
AL special color p-coat	8.40.281.399.99	3556,00
Satin stainl steel	8.40.281.700.99	4310,00

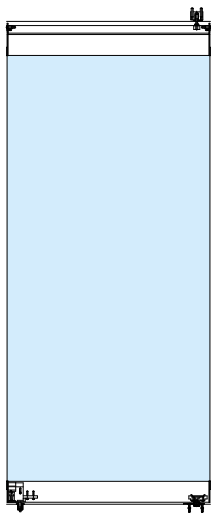


Fixed panel with carrier profile*
with two top clamp fixing units and bottom spacer profile

Dimensions
max. panel width 1250 mm
max. system height 4000 mm
max. panel weight 150 kg

* In assemblies in finish 700 the carrier profiles are clad in stainless steel

AL mill finish	8.40.115.100.99	666,00
AL silver anod	8.40.115.150.99	681,00
AL niro anod	8.40.115.157.99	716,00
AL special color anod	8.40.115.199.99	716,00
AL sim EV1 p-coat	8.40.115.318.99	716,00
AL white p-coat	8.40.115.350.99	703,00
AL high weather resist p-coat	8.40.115.398.99	766,00
AL special color p-coat	8.40.115.399.99	741,00
Satin stainl steel	8.40.115.700.99	829,00



Pivoting end panel with carrier profile*
single or double action,
with Multilock prepared
for profile cylinder
incl. floor pivot with round spindle

Dimensions

max. panel width 1250 mm
max. system height 4000 mm
max. panel weight 150 kg

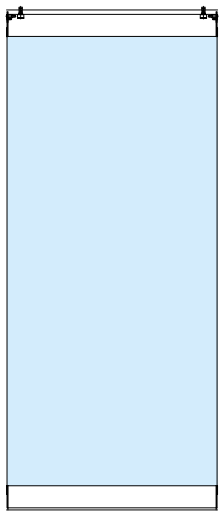
* In assemblies in finish 700 the
carrier profiles are clad in
in stainless steel

Pivoting end panel also applicable for
assembly types FSW EASY Safe C/
Cplus

Finish	Article No.	€/Piece
AL mill finish	8.40.113.100.99	761,00
AL silver anod	8.40.113.150.99	785,00
AL niro anod	8.40.113.157.99	826,00
AL special color anod	8.40.113.199.99	826,00
AL sim EV1 p-coat	8.40.113.318.99	826,00
AL white p-coat	8.40.113.350.99	793,00
AL high weather resist p-coat	8.40.113.398.99	912,00
AL special color p-coat	8.40.113.399.99	838,00
Satin stainl steel	8.40.113.700.99	955,00

glass
Premium Glass Hardware

 <p>FSW EASY Safe C/Cplus Basic panel without carrier profile, with top pivot bearing, floor pivot and bottom bolt, for partition-to-wall connection, incl. glass knob</p> <p>Dimensions max. panel width 565 mm max. system height 3000 mm max. panel weight 80 kg</p>	Finish	Article No.	€/Piece
	AL mill finish	8.40.110.100.99	815,00
	AL silver anod	8.40.110.150.99	837,00
	AL niro anod	8.40.110.157.99	914,00
	AL special color anod	8.40.110.199.99	926,00
	AL sim EV1 p-coat	8.40.110.318.99	936,00
	AL white p-coat	8.40.110.350.99	835,00
	AL high weather resist p-coat	8.40.110.398.99	892,00
	AL special color p-coat	8.40.110.399.99	892,00
	Satin stainl steel	8.40.110.700.99	982,00
 <p>FSW EASY Safe C/Cplus Centre panel without carrier profile, with one top track roller and with bottom bolt</p> <p>Dimensions max. panel width 1000 mm max. system height 3000 mm max. panel weight 80 kg</p>	AL mill finish	8.40.111.100.99	695,00
	AL silver anod	8.40.111.150.99	724,00
	AL niro anod	8.40.111.157.99	818,00
	AL special color anod	8.40.111.199.99	831,00
	AL sim EV1 p-coat	8.40.111.318.99	747,00
	AL white p-coat	8.40.111.350.99	724,00
	AL high weather resist p-coat	8.40.111.398.99	771,00
	AL special color p-coat	8.40.111.399.99	771,00
	Satin stainl steel	8.40.111.700.99	905,00
	 <p>FSW EASY Safe C/Cplus Dual-panel without carrier profile, consisting of a folding panel with one track roller and a hinged panel; as compensation element, glass to glass clearance 64/94 mm,, incl. glass knob</p> <p>Dimensions max. panel width 1000 mm max. system height 3000 mm max. panel weight 80 kg</p> <p>(Panel dimensions relate to single panels within the assembly unit)</p>	AL mill finish	8.40.112.100.99
AL silver anod		8.40.112.150.99	1415,00
AL niro anod		8.40.112.157.99	1557,00
AL special color anod		8.40.112.199.99	1577,00
AL sim EV1 p-coat		8.40.112.318.99	1432,00
AL white p-coat		8.40.112.350.99	1903,00
AL high weather resist p-coat		8.40.112.398.99	1443,00
AL special color p-coat		8.40.112.399.99	1443,00
Satin stainl steel		8.40.112.700.99	1713,00



**Fixed panel
without carrier profile**
with two top clamp fixing units
and bottom spacer profile

Dimensions

max. panel width 1250 mm
max. system height 4000 mm
max. panel weight 150 kg

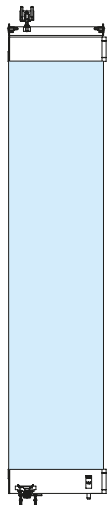
Finish	Article No.	€/Piece
AL mill finish	8.40.103.100.99	516,00
AL silver anod	8.40.103.150.99	531,00
AL niro anod	8.40.103.157.99	567,00
AL special color anod	8.40.103.199.99	567,00
AL sim EV1 p-coat	8.40.103.318.99	567,00
AL white p-coat	8.40.103.350.99	553,00
AL high weather resist p-coat	8.40.103.398.99	616,00
AL special color p-coat	8.40.103.399.99	591,00
Satin stainl steel	8.40.103.700.99	635,00

Surcharge for assembly with TS 93
at FSW EASY Safe Cplus
Dual-panel

**When TS 93 is assembled with
FSW EASY Safe Cplus
please note:**

min. width of hinged panel:
600 mm

351,00

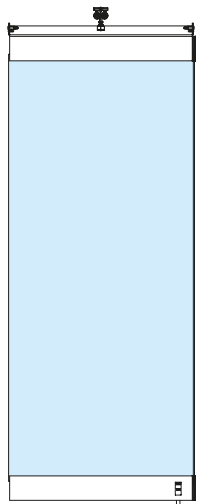


**FSW EASY Safe C/Cplus
Basic panel
with carrier profile***
with top pivot bearing,
floor pivot and bottom bolt,
for partition-to-wall connection,
incl. glass knob

Dimensions
max. panel width 565 mm
max. system height 3000 mm
max. panel weight 80 kg

* In assemblies in finish 700 the
carrier profiles are clad in
in stainless steel

Finish	Article No.	€ / Piece
AL mill finish	8.40.282.100.99	843,00
AL silver anod	8.40.282.150.99	867,00
AL niro anod	8.40.282.157.99	962,00
AL special color anod	8.40.282.199.99	970,00
AL sim EV1 p-coat	8.40.282.318.99	895,00
AL white p-coat	8.40.282.350.99	882,00
AL high weather resist p-coat	8.40.282.398.99	920,00
AL special color p-coat	8.40.282.399.99	920,00
Satin stainl steel	8.40.282.700.99	1034,00

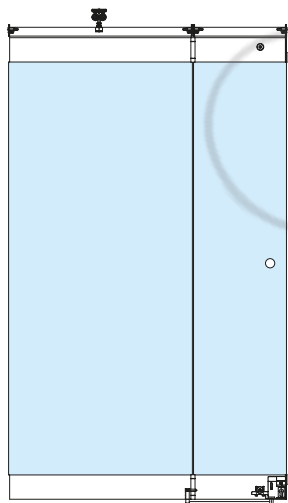


**FSW EASY Safe C/Cplus
Centre panel
with carrier profile***
with one top track roller
and with bottom bolt

Dimensions
max. panel width 1000 mm
max. system height 3000 mm
max. panel weight 80 kg

* In assemblies in finish 700 the
carrier profiles are clad in
in stainless steel

AL mill finish	8.40.283.100.99	738,00
AL silver anod	8.40.283.150.99	771,00
AL niro anod	8.40.283.157.99	897,00
AL special color anod	8.40.283.199.99	908,00
AL sim EV1 p-coat	8.40.283.318.99	791,00
AL white p-coat	8.40.283.350.99	802,00
AL high weather resist p-coat	8.40.283.398.99	814,00
AL special color p-coat	8.40.283.399.99	814,00
Satin stainl steel	8.40.283.700.99	972,00



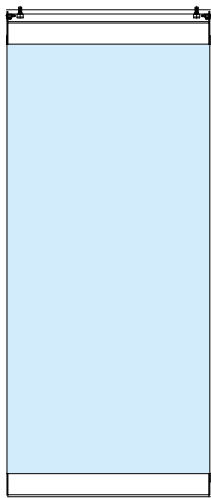
**FSW EASY Safe C/Cplus
Dual-panel
with carrier profile***
consisting of a folding panel with
one track roller and a hinged panel;
glass to glass clearance 64/94 mm,,
incl. glass knob

Dimensions
max. panel width 1000 mm
max. system height 3000 mm
max. panel weight 80 kg

(Panel dimensions relate to single
panels within the assembly unit)

* In assemblies in finish 700 the
carrier profiles are clad in
in stainless steel

AL mill finish	8.40.284.100.99	1448,00
AL silver anod	8.40.284.150.99	1508,00
AL niro anod	8.40.284.157.99	1713,00
AL special color anod	8.40.284.199.99	1732,00
AL sim EV1 p-coat	8.40.284.318.99	1518,00
AL white p-coat	8.40.284.350.99	1569,00
AL high weather resist p-coat	8.40.284.398.99	1529,00
AL special color p-coat	8.40.284.399.99	1529,00
Satin stainl steel	8.40.284.700.99	1844,00



Fixed panel with carrier profile*
with two top clamp fixing units and bottom spacer profile

Dimensions
max. panel width 1250 mm
max. system height 4000 mm
max. panel weight 150 kg

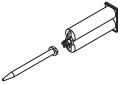
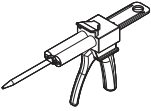
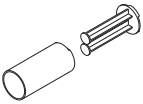
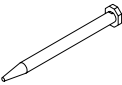
* In assemblies in finish 700 the carrier profiles are clad in stainless steel

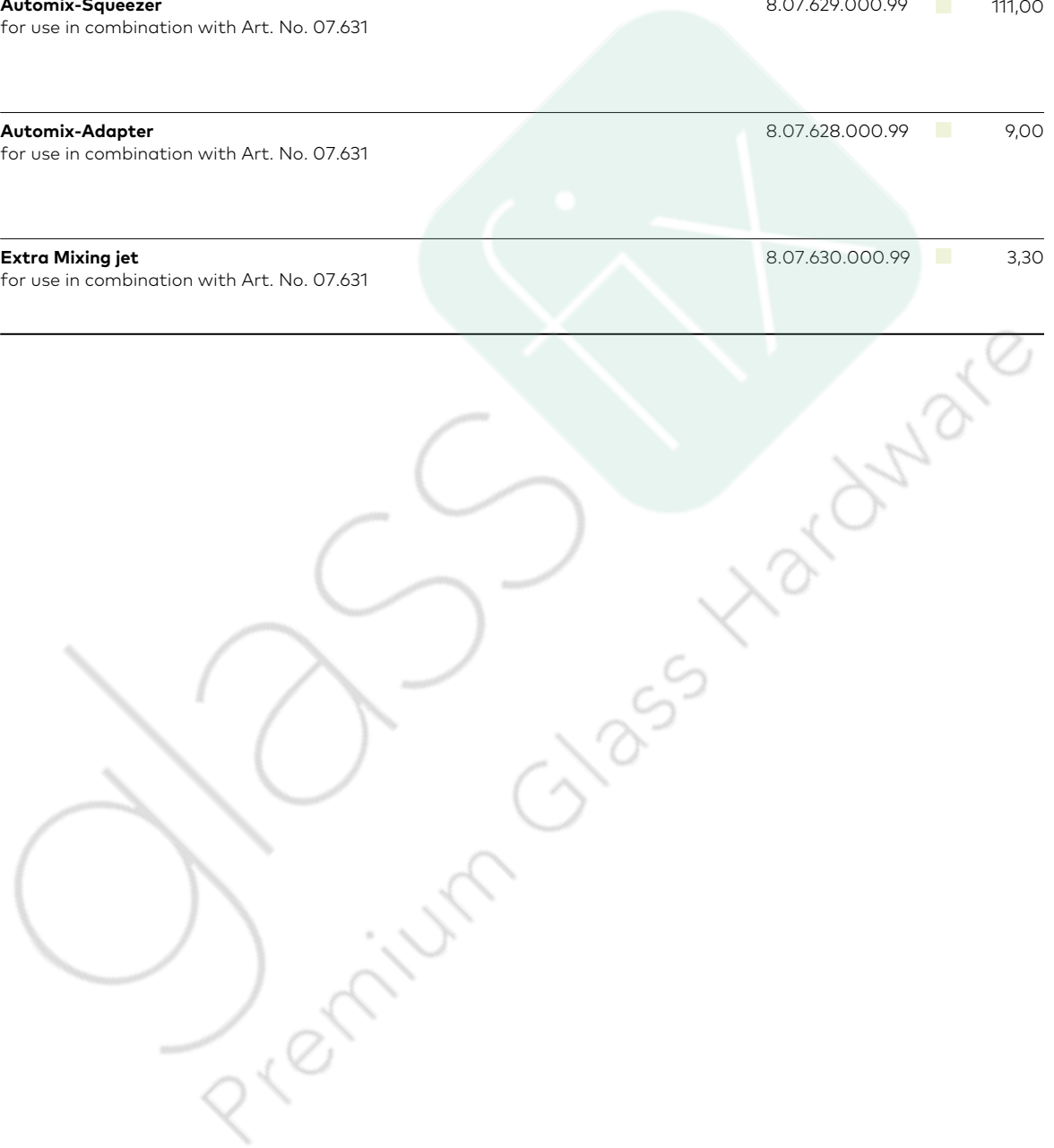
Finish	Article No.	€/Piece
AL mill finish	8.40.115.100.99	666,00
AL silver anod	8.40.115.150.99	681,00
AL niro anod	8.40.115.157.99	716,00
AL special color anod	8.40.115.199.99	716,00
AL sim EV1 p-coat	8.40.115.318.99	716,00
AL white p-coat	8.40.115.350.99	703,00
AL high weather resist p-coat	8.40.115.398.99	766,00
AL special color p-coat	8.40.115.399.99	741,00
Satin stainl steel	8.40.115.700.99	829,00



Surcharge for assembly with TS 93
at FSW EASY Safe Cplus
Dual-panel

351,00

When TS 93 is assembled with FSW EASY Safe Cplus please note:
min. width of hinged panel:
600 mm

	Article No.	€/Piece
Only necessary for option Clamp & Glue		
 <p>Special adhesive and mixing jet for use with LSG for use in combination with Art. No. 07.629 or 07.628</p>	8.07.631.000.99	84,00
 <p>Automix-Squeezer for use in combination with Art. No. 07.631</p>	8.07.629.000.99	111,00
 <p>Automix-Adapter for use in combination with Art. No. 07.631</p>	8.07.628.000.99	9,00
 <p>Extra Mixing jet for use in combination with Art. No. 07.631</p>	8.07.630.000.99	3,30



		Finish	Article No.	€/Piece
	Pair of handle bars			
	back to back fixing for 8, 10 and 12 mm glass thickness, incl. connecting bolt			
	Length 350 mm with 2 connecting bolts	Satin stainl steel	8.21.267.700.99	150,00
	Length 720 mm with 2 connecting bolts	Satin stainl steel	8.21.270.700.99	187,00
	Length 1240 mm with 3 connecting bolts	Satin stainl steel	8.21.273.700.99	336,00
	Length 1760 mm with 4 connecting bolts	Satin stainl steel	8.21.276.700.99	378,00
	Arcos handle bar (pair)			
	for 8, 10 and 12 mm glass thickness, incl. connecting bolt			
	drilled hole distance 350 mm	AL satin stainl steel look	8.26.500.126.99	271,00
	drilled hole distance 750 mm	AL satin stainl steel look	8.26.510.126.99	327,00
	drilled hole distance 350 mm	AL EV1-Deco anod	8.26.500.114.99	192,00
	drilled hole distance 750 mm	AL EV1-Deco anod	8.26.510.114.99	231,00

glass
Premium Glass Hardware

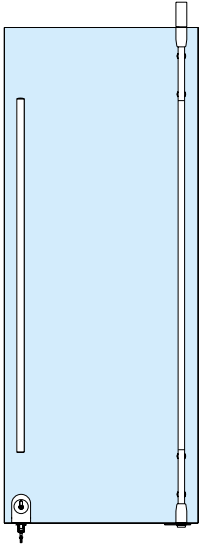


		Finish	Article No.	€/Piece
	UNIVERSAL centre lock US 20 for profile cylinder, (Strike-box: Art. No. 803.224.XXX.99 see below)	AL silver EV1 anod	8.03.215.101.99	93,50
		AL traffic white p-coat	8.03.215.300.99	93,50
		Satin stainl steel	8.03.215.700.99	135,00
		AL special color anod	8.03.215.199.99	133,00
		AL special color p-coat	8.03.215.399.99	133,00
	UNIVERSAL centre lock US 20 prep. for half profile cylinder, left hand (Strike-box: Art. No. 803.224.XXX.99 see below)	AL silver EV1 anod	8.03.290.101.99	93,50
		AL traffic white p-coat	8.03.290.300.99	93,50
		Satin stainl steel	8.03.290.700.99	135,00
		AL special color anod	8.03.290.199.99	133,00
		AL special color p-coat	8.03.290.399.99	133,00
	UNIVERSAL centre lock US 20 prep. for half profile cylinder, right hand (Strike-box: Art. No. 803.224.XXX.99 see below)	AL silver EV1 anod	8.03.289.101.99	93,50
		AL traffic white p-coat	8.03.289.300.99	93,50
		Satin stainl steel	8.03.289.700.99	135,00
		AL special color anod	8.03.289.199.99	133,00
		AL special color p-coat	8.03.289.399.99	133,00
	UNIVERSAL strike-box GK 50	AL silver EV1 anod	8.03.224.101.99	93,00
		AL traffic white p-coat	8.03.224.300.99	93,00
		Satin stainl steel	8.03.224.700.99	134,00
		AL special color anod	8.03.224.199.99	131,00
		AL special color p-coat	8.03.224.399.99	131,00



GlasS
 Premium Glass Hardware

	Finish	Article No.	€/Piece
Office Junior – locks for levers with roses			
Complying to the current DIN EN 12209 – designed for use in public buildings. All locks with low noise whisper functionality and adjustable handle follower +/- 1°.			
	Centre lock with latch and lock bolt, with rose handle on inside and fixed knob on outside and profile cylinder roses, left hand (Strike-box: Art. No. 8.11.207.XXX.99 see below)	AL silver EV1 anod	8.05.240.101.99 368,00
		AL special color anod	8.05.240.199.99 487,00
		AL special color p-coat	8.05.240.399.99 487,00
	do., right hand (Strike-box: Art. No. 8.11.206.XXX.99, see below)	AL silver EV1 anod	8.05.241.101.99 368,00
		AL special color anod	8.05.241.199.99 487,00
		AL special color p-coat	8.05.241.399.99 487,00
	Lock prepared for Europrofile cylinder with nightlatch function, left hand (Strike-box: Art. No. 8.11.207.XXX.99 see below)	AL silver anod	8.11.200.150.99 99,50
		AL traffic white p-coat	8.11.200.300.99 99,50
		AL niro anod	8.11.200.157.99 125,00
		AL special color anod	8.11.200.199.99 180,00
		AL special color p-coat	8.11.200.399.99 180,00
	do., right hand (Strike-box: Art. No. 8.11.206.XXX.99 see below)	AL silver anod	8.11.201.150.99 99,50
		AL traffic white p-coat	8.11.201.300.99 99,50
		AL niro anod	8.11.201.157.99 125,00
		AL special color anod	8.11.201.199.99 180,00
		AL special color p-coat	8.11.201.399.99 180,00
	Non-locking latch, left hand (Strike-box: Art. No. 8.11.207.XXX.99 see below)	AL silver anod	8.11.212.150.99 99,50
		AL niro anod	8.11.212.157.99 125,00
		Satin stainl steel	8.11.212.700.99 184,00
		AL special color anod	8.11.212.199.99 180,00
		AL special color p-coat	8.11.212.399.99 180,00
	do., right hand (Strike-box: Art. No. 8.11.206.XXX.99 see below)	AL silver anod	8.11.213.150.99 99,50
		AL niro anod	8.11.213.157.99 125,00
		Satin stainl steel	8.11.213.700.99 184,00
		AL special color anod	8.11.213.199.99 180,00
		AL special color p-coat	8.11.213.399.99 180,00
	Strike-box left hand	AL silver anod	8.11.207.150.99 83,00
		AL traffic white p-coat	8.11.206.300.99 83,00
		AL niro anod	8.11.206.157.99 122,00
		Satin stainl steel	8.11.206.700.99 164,00
		AL special color anod	8.11.206.199.99 141,00
		AL special color p-coat	8.11.206.399.99 141,00
	Strike-box right hand	AL silver anod	8.11.207.150.99 83,00
		AL traffic white p-coat	8.11.207.300.99 83,00
		AL niro anod	8.11.207.157.99 122,00
		Satin stainl steel	8.11.207.700.99 164,00
		AL special color anod	8.11.207.199.99 141,00
		AL special color p-coat	8.11.207.399.99 141,00

		Finish	Article No.		€/Piece
	Thumbturn half cylinder	Brass silver EV1 coated	8.10.311.101.99	■	44,50
		Brass sim satin stainl steel coated	8.10.311.107.99	■	58,50
		Brass special coated	8.10.311.399.99	■	68,50
	Tubular levers with roses, aluminium	AL silver anod	8.10.307.150.99	■	54,00
		AL traffic white p-coat	8.10.307.300.99	■	64,00
		AL niro anod	8.10.307.157.99	■	63,00
		AL special color anod	8.10.307.199.99	■	82,00
		AL special color p-coat	8.10.307.399.99	■	82,00
	Lever and knob set with tubular lever and free turnable knob (without function)	AL silver anod	8.10.316.150.99	■	65,00
		AL traffic white p-coat	8.10.316.300.99	■	65,00
		AL niro anod	8.10.316.157.99	■	76,50
		AL special color anod	8.10.316.199.99	■	93,50
		AL special color p-coat	8.10.316.399.99	■	93,50
	Lever and knob set with tubular lever and fixed knob (without function)	AL silver anod	8.10.318.150.99	■	92,50
		AL traffic white p-coat	8.10.318.300.99	■	92,50
		AL niro anod	8.10.318.157.99	■	107,00
		AL special color anod	8.10.318.199.99	■	127,00
		AL special color p-coat	8.10.318.399.99	■	127,00
	Handle rose for 8, 10 and 12 mm glass thickness	AL silver EV1 anod	8.07.200.101.99	■	54,00
		AL traffic white p-coat	8.07.200.300.99	■	54,00
		AL sim satin stainl steel anod C31	8.07.200.113.99	■	82,00
		AL special color p-coat	8.07.200.399.99	■	91,00
	Aluminium door knob	AL silver EV1 anod	8.07.201.101.99	■	90,50
		AL traffic white p-coat	8.07.201.300.99	■	90,50
		AL sim satin stainl steel anod C31	8.07.201.113.99	■	133,00
		AL special color p-coat	8.07.201.399.99	■	156,00
	Cristall glass knob, white complete, for 10 – 12 mm glass thickness		8.15.040.000.99	■	36,50

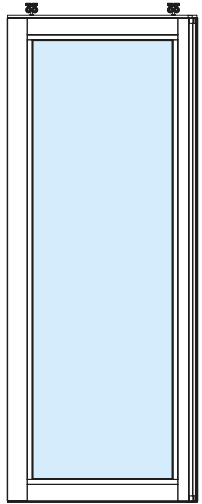
		Finish	Article No.	€/Piece	
	Cardan crank for top locking units	for assembly height:			
			up to 2500 mm	8.15.925.000.99	73,00
			up to 3000 mm	8.15.926.000.99	76,00
			up to 3600 mm	8.15.927.000.99	85,50
			up to 4000 mm	8.15.924.000.99	89,50
	Floor socket adjustable, with round pivot max. 150 kg		8.01.925.001.55	77,00	
	Reinforced cover plate for BTS 80 'Z'	Satin stainl steel	8.15.058.700.40	63,00	
	BTS 80 'Z' with adjustable hold-open, with cement case special height and reinforced cover plate and cover for spindle		8.15.805.000.99	635,00	
	BTS 80 35 Nm, with adjustable hold open, with coverplate in satin stainless steel		8.03.033.700.99	504,00	
	Reinforced cover plate for BTS 84 'Z'	Satin stainl steel	8.15.056.700.40	63,00	
	BTS 84 'Z' with cement case special height and reinforced cover plate and cover for spindle	with hold open at 90°			
			8.15.803.000.99	409,00	
		without hold open device			
			8.15.804.000.99	403,00	
	BTS 84 with cover plate in satin stainless steel	with hold open at 90°			
			818.028.700.99	286,00	
		without hold open device			
			818.027.700.99	229,00	
	BTS 'Z' cement case special height	BTS 80 'Z'			
			8.15.173.001.50	82,00	
		BTS 84 'Z'			
			8.15.174.001.50	82,00	
	Cover for floor closer spindle for BTS 'Z'	Satin stainl steel	8.15.059.001.40	28,50	
	Strike plate, adjustable		8.05.190.000.99	13,50	
	Floor socket		8.05.192.000.99	7,00	
	Eccentric socket, adjustable		8.05.194.000.99	23,00	

	Finish	Article No.	€/Piece
 <p>Pivoting end panel, single or double action, with bottom lock including floor pivot with round spindle</p>	countersunk single point fixing	Satin stainl steel	8.15.835.700.99 ■ 981,00
	clamping disc single point fixing	Satin stainl steel	8.15.845.700.99 ■ 981,00
	Option: Pair of handle bars, page 46		
<p>Dimensions</p> max. panel width 1200 mm max. system height 3000 mm max. panel weight 100 kg			
 <p>Sliding panel with two carriers, with end pin bottom right and floor bolt bottom left</p>	countersunk single point fixing	Satin stainl steel	8.15.836.700.99 ■ 1704,00
	clamping disc single point fixing	Satin stainl steel	8.15.846.700.99 ■ 1704,00
	<p>Dimensions</p> max. panel width 1200 mm max. system height 3000 mm max. panel weight 100 kg		
 <p>Sliding panel with two carriers, with end pin bottom left and floor bolt bottom right</p>	countersunk single point fixing	Satin stainl steel	8.15.838.700.99 ■ 1704,00
	clamping disc single point fixing	Satin stainl steel	8.15.848.700.99 ■ 1704,00
	<p>Dimensions</p> max. panel width 1200 mm max. system height 3000 mm max. panel weight 100 kg		

	Finish	Article No.	€/Piece	
 <p>Sliding panel with two carriers, and two bottom floor bolts</p>				
	countersunk single point fixing	Satin stainl steel	8.15.837.700.99	■ 2166,00
	clamping disc single point fixing	Satin stainl steel	8.15.847.700.99	■ 2166,00
<p>Dimensions max. panel width 1200 mm max. system height 3000 mm max. panel weight 100 kg</p>				
 <p>Fixed panel with two top clamps for fixed panels, and two bottom fixings</p>				
	countersunk single point fixing	Satin stainl steel	8.15.839.700.99	■ 1022,00
	clamping disc single point fixing	Satin stainl steel	8.15.849.700.99	■ 1022,00
<p>Dimensions max. panel width 1200 mm max. system height 3000 mm max. panel weight 100 kg</p>				

		Finish	Article No.	€ / Piece
	Pair of handle bars back to back fixing for 8, 10 and 12 mm glass thickness incl. connecting bolt			
	Length 350 mm with 2 connecting bolts	Satin stainl steel	8.21.267.700.99	150,00
	Length 720 mm with 2 connecting bolts	Satin stainl steel	8.21.270.700.99	187,00
	Length 1240 mm with 3 connecting bolts	Satin stainl steel	8.21.273.700.99	336,00
	Length 1760 mm with 4 connecting bolts	Satin stainl steel	8.21.276.700.99	378,00
	Arcos handle bar (pair) for 8, 10 and 12 mm glass thickness, incl. connecting bolt			
	drilled hole distance 350 mm	AL satin stainl steel look	8.26.500.126.99	271,00
	drilled hole distance 750 mm	AL satin stainl steel look	8.26.510.126.99	327,00
	HSW-GP door stop complete		8.15.394.001.50	61,50
	Thumbturn half cylinder	Brass silver EV1 coated	8.10.311.101.99	44,50
		Brass sim satin stainl steel coated	8.10.311.107.99	58,50
		Brass special coated	8.10.311.399.99	68,50
	Handle rose for 8, 10 and 12 mm glass thickness	AL silver EV1 anod	8.07.200.101.99	54,00
		AL traffic white p-coat	8.07.200.300.99	54,00
		AL sim satin stainl steel anod C31	8.07.200.113.99	82,00
		AL special color p-coat	8.07.200.399.99	91,00
		AL silver EV1 anod	8.07.201.101.99	90,50
	Aluminium door knob	AL traffic white p-coat	8.07.201.300.99	90,50
		AL sim satin stainl steel anod C31	8.07.201.113.99	133,00
		AL special color p-coat	8.07.201.399.99	156,00





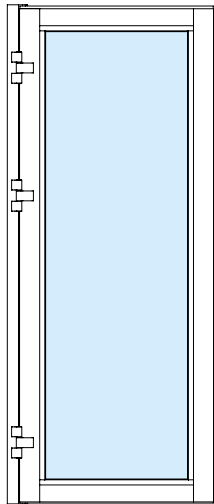
Sliding panel
with one bottom lock, carried out as flush bolt or end mounted slide bolt

Dimensions
max. panel width 1250 mm
max. system height 3500 mm
max. panel weight 150 kg

Surcharges

	Article No.	€/Piece
for panel width greater than 950 mm	8.41.000.006.50	87,50
for panel height greater than 2400 mm	8.41.000.007.50	186,00

Finish	Article No.	€/Piece
AL silver anod	8.41.102.150.99	1514,00
AL high weather resist p-coat	8.41.102.398.99	1812,00
AL special color p-coat	8.41.102.399.99	1755,00



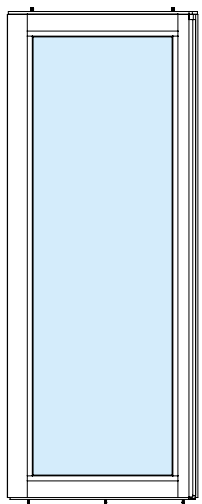
Offset hung end panel
with multi point lock MULTIBLINDO classic, door closer and additional accessories optional available

Dimensions
max. panel width 1250 mm
max. system height 3500 mm
max. panel weight 150 kg

Surcharges

for panel width greater than 950 mm	8.41.000.008.50	106,00
for panel height greater than 2400 mm	8.41.000.009.50	392,00
Surcharge for multi point lock MULTIBLINDO easy left hand (instead of MULTIBLINDO classic)	8.41.000.010.50	80,50
Surcharge for multi point lock MULTIBLINDO easy right hand (instead of MULTIBLINDO classic)	8.41.000.011.50	80,50
for door closer TS 93	8.41.000.002.50	360,00

AL silver anod	8.41.106.150.99	2141,00
AL high weather resist p-coat	8.41.106.398.99	2498,00
AL special color p-coat	8.41.106.399.99	2446,00



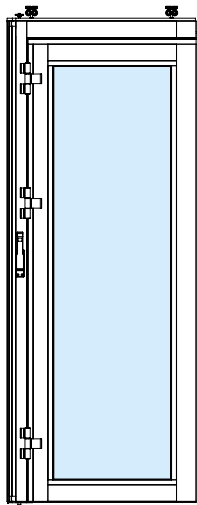
Fixed panel
not movable

Dimensions
max. panel width 1250 mm
max. system height 3500 mm
max. panel weight 150 kg

Surcharges

for panel width greater than 950 mm	8.41.000.006.50	87,50
for panel height greater than 2400 mm	8.41.000.007.50	186,00

AL silver anod	8.41.103.150.99	1374,00
AL high weather resist p-coat	8.41.103.398.99	1712,00
AL special color p-coat	8.41.103.399.99	1627,00



	Finish	Article No.	€/Piece
Single action sliding panel with door closer ITS 96 and lock bar to switch between door and sliding mode, with multi point lock MULTIBLINDO classic	AL silver anod	8.41.105.150.99	4802,00
	AL high weather resist p-coat	8.41.105.398.99	5267,00
	AL special color p-coat	8.41.105.399.99	5167,00

Dimensions

max. panel width 1250 mm
max. system height 3500 mm
max. panel weight 150 kg

Surcharges



for panel width greater than 950 mm	8.41.000.008.50	106,00
for panel height greater than 2400 mm	8.41.000.009.50	392,00

Wall connecting profiles

	€/m
Wall connecting profile standard right hand or left hand, rebate inside or outside. Finish matching assembly finish, fix length	91,00
Wall connecting profile for reshuffle right hand or left hand, rebate inside or outside. Finish matching assembly finish, fix length	188,00

Surcharges for options




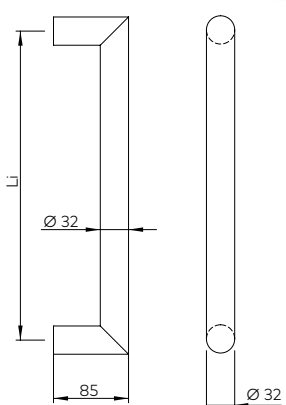
	€/m	
ThermoCover for track profile, including insulating web and screws for fixation on the track profile and including cover profile with rubber seal, fix length	AL silver anod 8.41.020.150.99	57,00
	AL high weather resist p-coat 8.41.020.398.99	64,00
	AL special color p-coat 8.41.020.399.99	64,00
	€/Piece	
Angular offset of 90° within the track run	8.41.000.004.50	115,00
Angular offset of 135° within the track run	8.41.000.005.50	137,00

		Finish	Article No.	€/Piece
	Pair of handle bars			
	back to back fixing for 8, 10 and 12 mm glass thickness incl. connecting bolt			
	Length 350 mm with 2 connecting bolts	Satin stainl steel	8.21.267.700.99	150,00
	Length 720 mm with 2 connecting bolts	Satin stainl steel	8.21.270.700.99	187,00
	Length 1240 mm with 3 connecting bolts	Satin stainl steel	8.21.273.700.99	336,00
	Length 1760 mm with 4 connecting bolts	Satin stainl steel	8.21.276.700.99	378,00
	Arcos handle bar (pair)			
	for 8, 10 and 12 mm glass thickness, incl. connecting bolt			
	drilled hole distance 350 mm	AL satin stainl steel look	8.26.500.126.99	271,00
	drilled hole distance 750 mm	AL satin stainl steel look	8.26.510.126.99	327,00
	drilled hole distance 350 mm	AL EV1-Deco anod	8.26.500.114.99	192,00
	drilled hole distance 750 mm	AL EV1-Deco anod	8.26.510.114.99	231,00

glass

Premium Glass Hardware



	Finish	Article No.	€/Piece	
OGRO Design pull handles				
TG 9116 Pull handle				
	distance between drill holes			
	300 mm	Satin stainl steel	90050060199	107,00
	400 mm	Satin stainl steel	90050060200	112,00
	600 mm	Satin stainl steel	90050060201	121,00
TG 9117 Pull handle				
	distance between drill holes			
	300 mm	Satin stainl steel	90050060202	131,00
TG 9335 Pull handle, diameter 32 mm, H 85 mm, (For lengths Li ≥ 1500 mm with 3 fixings. Third fixing in centre position.)			8.41.502.001.40	
 	length Li			
	300 mm	Satin stainl steel	42,00	
	400 mm	Satin stainl steel	49,00	
	500 mm	Satin stainl steel	55,00	
	600 mm	Satin stainl steel	61,00	
	700 mm	Satin stainl steel	68,00	
	800 mm	Satin stainl steel	74,00	
	900 mm	Satin stainl steel	80,00	
	1000 mm	Satin stainl steel	86,00	
	1100 mm	Satin stainl steel	93,00	
	1200 mm	Satin stainl steel	99,00	
	1300 mm	Satin stainl steel	105,00	
	1400 mm	Satin stainl steel	112,00	
	1500 mm	Satin stainl steel	118,00	
	1600 mm	Satin stainl steel	124,00	
	1700 mm	Satin stainl steel	131,00	
	1800 mm	Satin stainl steel	137,00	
	1900 mm	Satin stainl steel	167,00	
	2000 mm	Satin stainl steel	173,00	
	2100 mm	Satin stainl steel	179,00	
	2200 mm	Satin stainl steel	185,00	
	2300 mm	Satin stainl steel	192,00	
	2400 mm	Satin stainl steel	198,00	
	2500 mm	Satin stainl steel	204,00	
2600 mm	Satin stainl steel	211,00		
2700 mm	Satin stainl steel	217,00		
2800 mm	Satin stainl steel	223,00		

Preparation time on request



	Finish	Article No.	€/Piece
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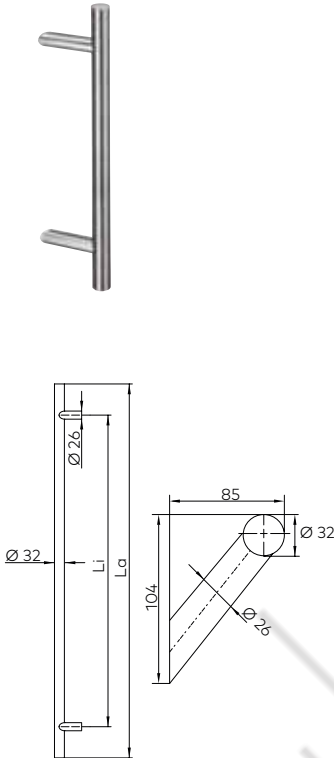
OGRO Design pull handles

TG 9377

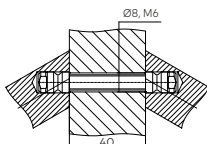
8.41.503.001.40

Pull handle, diameter handle bar 32 mm, H 85 mm, (For lengths La ≥ 1600 mm with 3 fixings. Third fixing in centre position.)

	length La	length Li	Finish	€/Piece
	300 mm	210 mm	Satin stainl steel	53,00
	400 mm	290 mm	Satin stainl steel	59,00
	500 mm	360 mm	Satin stainl steel	66,00
	600 mm	430 mm	Satin stainl steel	72,00
	700 mm	500 mm	Satin stainl steel	78,00
	800 mm	570 mm	Satin stainl steel	85,00
	900 mm	640 mm	Satin stainl steel	91,00
	1000 mm	710 mm	Satin stainl steel	97,00
	1100 mm	790 mm	Satin stainl steel	104,00
	1200 mm	860 mm	Satin stainl steel	110,00
	1300 mm	930 mm	Satin stainl steel	116,00
	1400 mm	1000 mm	Satin stainl steel	122,00
	1500 mm	1070 mm	Satin stainl steel	129,00
	1600 mm	1140 mm	Satin stainl steel	135,00
	1700 mm	1210 mm	Satin stainl steel	141,00
	1800 mm	1290 mm	Satin stainl steel	148,00
	1900 mm	1360 mm	Satin stainl steel	154,00
	2000 mm	1430 mm	Satin stainl steel	160,00
	2100 mm	1500 mm	Satin stainl steel	167,00
	2200 mm	1570 mm	Satin stainl steel	173,00
	2300 mm	1640 mm	Satin stainl steel	179,00
	2400 mm	1710 mm	Satin stainl steel	185,00
	2500 mm	1790 mm	Satin stainl steel	192,00
	2600 mm	1860 mm	Satin stainl steel	198,00
	2700 mm	1930 mm	Satin stainl steel	204,00
	2800 mm	2000 mm	Satin stainl steel	211,00



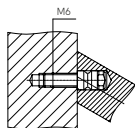
Fixing material for pull handle TG 9377



GZ 314 (for TG 9377) fixings at narrow stile doors, on both sides, invisible

90055021679

6,00


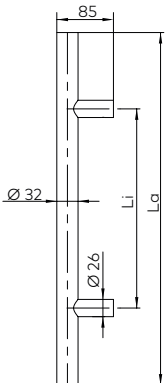
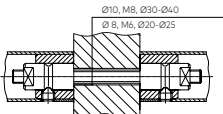
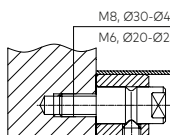


GZ 334 (for TG 9377) fixings at narrow stile doors, on one side, invisible, screw-in depth 20 mm

90055021665

6,00



	Finish	Article No.	€/Piece
OGRO Design pull handles			
TG 9387 Pull handle, diameter handle bar 32 mm, H 85 mm, (For lengths La ≥ 1900 mm with 3 fixings. Third fixing in centre position.)		8.41.504.001.40	
	length La	length Li	
	300 mm	210 mm	Satin stainl steel 50,00
	400 mm	290 mm	Satin stainl steel 56,00
	500 mm	360 mm	Satin stainl steel 62,00
	600 mm	430 mm	Satin stainl steel 68,00
	700 mm	500 mm	Satin stainl steel 75,00
	800 mm	570 mm	Satin stainl steel 81,00
	900 mm	640 mm	Satin stainl steel 87,00
	1000 mm	710 mm	Satin stainl steel 94,00
	1100 mm	790 mm	Satin stainl steel 100,00
	1200 mm	860 mm	Satin stainl steel 106,00
	1300 mm	930 mm	Satin stainl steel 113,00
	1400 mm	1000 mm	Satin stainl steel 119,00
	1500 mm	1070 mm	Satin stainl steel 125,00
	1600 mm	1140 mm	Satin stainl steel 131,00
	1700 mm	1210 mm	Satin stainl steel 138,00
	1800 mm	1290 mm	Satin stainl steel 144,00
	1900 mm	1360 mm	Satin stainl steel 150,00
	2000 mm	1430 mm	Satin stainl steel 157,00
	2100 mm	1500 mm	Satin stainl steel 163,00
	2200 mm	1570 mm	Satin stainl steel 169,00
	2300 mm	1640 mm	Satin stainl steel 176,00
	2400 mm	1710 mm	Satin stainl steel 182,00
	2500 mm	1790 mm	Satin stainl steel 188,00
	2600 mm	1860 mm	Satin stainl steel 194,00
	2700 mm	1930 mm	Satin stainl steel 201,00
	2800 mm	2000 mm	Satin stainl steel 207,00
			
Fixing material for pull handles			
	GZ 214 Fixings at narrow stile doors, on both sides, invisible	90055021658	8,00
	GZ 234 Fixings at narrow stile doors, on one side, invisible, screw-in depth 20 mm	90055021666	6,00









		Finish	Article No.	€/Piece
OGRO Sets of levers with roses, with hold springs, for profile depth 70 mm				
OGRO 8115V, rose angled				
	Lever inside			
	Square lever pin 8 mm for Euro profile cylinder	AL satin stainl steel look	90055030152	42,00
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055030168	67,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	AL satin stainl steel look	90055030153	51,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055030169	72,00
	Lever on both sides			
	Square lever pin 8 mm for Euro profile cylinder	AL satin stainl steel look	90055030217	87,00
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055030176	138,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	AL satin stainl steel look	90055030218	105,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055030177	147,00
	Lever inside, knob outside			
	Square lever pin 8 mm for Euro profile cylinder	AL satin stainl steel look	90055030225	78,00
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055030180	121,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	AL satin stainl steel look	90055030226	98,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055030181	125,00
OGRO 8115V, rose oval				
	Lever inside			
	Square lever pin 8 mm for Euro profile cylinder	AL satin stainl steel look	90055030156	42,00
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055030172	67,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	AL satin stainl steel look	90055030157	51,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055030173	72,00
	Lever on both sides			
	Square lever pin 8 mm for Euro profile cylinder	AL satin stainl steel look	90055030221	87,00
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055030184	138,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	AL satin stainl steel look	90055030222	105,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055030185	147,00
	Lever inside, knob outside			
	Square lever pin 8 mm for Euro profile cylinder	AL satin stainl steel look	90055030229	78,00
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055030188	121,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	AL satin stainl steel look	90055030230	98,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055030189	125,00









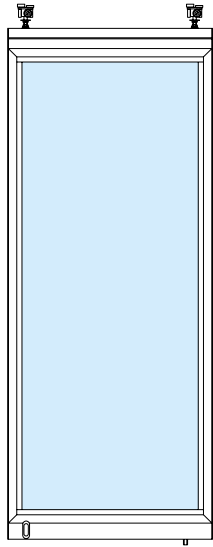
		Finish	Article No.	€/Piece
OGRO Sets of levers with roses, with hold springs, for profile depth 70 mm				
OGRO 8116V, rose angled				
	Lever inside			
	Square lever pin 8 mm for Euro profile cylinder	AL satin stainl steel look	90055030160	45,00
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055030192	71,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	AL satin stainl steel look	90055030161	54,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055030193	75,00
	Lever on both sides			
	Square lever pin 8 mm for Euro profile cylinder	AL satin stainl steel look	90055030233	93,00
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055030200	146,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	AL satin stainl steel look	90055030234	111,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055030201	155,00
	Lever inside, knob outside			
	Square lever pin 8 mm for Euro profile cylinder	AL satin stainl steel look	90055030241	81,00
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055030204	126,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	AL satin stainl steel look	90055030242	101,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055030205	131,00
OGRO 8116V, rose oval				
	Lever inside			
	Square lever pin 8 mm for Euro profile cylinder	AL satin stainl steel look	90055030164	45,00
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055030196	71,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	AL satin stainl steel look	90055030165	54,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055030197	75,00
	Lever on both sides			
	Square lever pin 8 mm for Euro profile cylinder	AL satin stainl steel look	90055030237	93,00
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055030208	146,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	AL satin stainl steel look	90055030238	111,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055030209	155,00
	Lever inside, knob outside			
	Square lever pin 8 mm for Euro profile cylinder	AL satin stainl steel look	90055030245	81,00
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055030212	126,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	AL satin stainl steel look	90055030246	101,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055030213	131,00



		Finish	Article No.	€/Piece
OGRO Sets of levers with roses, with hold springs, for profile depth 70 mm				
OGRO 8906V, rose angled				
	Lever inside			
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055003752	52,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055003800	56,00
	Lever on both sides			
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055003744	108,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055011328	117,00
	Lever inside, knob outside			
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055003760	107,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055011336	112,00
OGRO 8906V, rose oval				
	Lever inside			
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055003756	52,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055003804	56,00
	Lever on both sides			
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055003748	108,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055011332	117,00
	Lever inside, knob outside			
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055003764	107,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055011340	112,00



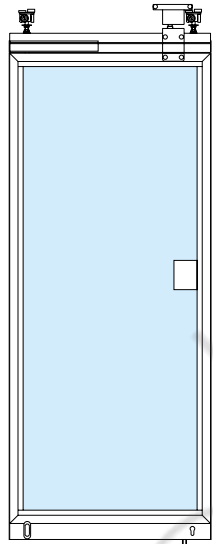
		Finish	Article No.	€/Piece
OGRO Sets of levers with roses, with hold springs, for profile depth 70 mm				
OGRO 8907V, rose angled				
	Lever inside			
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055007742	58,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055007750	63,00
	Lever on both sides			
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055028685	120,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055028687	129,00
	Lever inside, knob outside			
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055028693	114,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055028695	118,00
OGRO 8907V, rose oval				
	Lever inside			
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055007746	58,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055007754	63,00
	Lever on both sides			
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055028681	120,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055028682	129,00
	Lever inside, knob outside			
	Square lever pin 8 mm for Euro profile cylinder	Satin stainl steel	90055028689	114,00
	Square lever pin 9 mm for Euro profile cylinder for fire doors	Satin stainl steel	90055028691	118,00



Sliding panel
with bottom lock or bolt

Dimensions
max. panel width 1100 mm
max. system height 3000 mm
max. panel weight 100 kg

Finish	Article No.	€/Piece
AL silver EV1 anod	816.510.101.99	1623,00
AL special color anod	816.510.199.99	1811,00
AL traffic white p-coat	816.510.300.99	1718,00
AL special color p-coat	816.510.399.99	1811,00

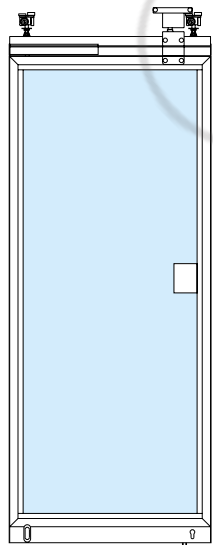


Double action sliding panel with ITS 96 without hold open (standard)
with bottom lock and upper locking unit, without cardan crank (for cardan cranks see page 64)

Dimensions
max. panel width 1100 mm
max. system height 3000 mm
max. panel weight 100 kg

Option:
Pair of handle plates (see page 62)

AL silver EV1 anod	816.519.101.99	3384,00
AL special color anod	816.519.199.99	3599,00
AL traffic white p-coat	816.519.300.99	3492,00
AL special color p-coat	816.519.399.99	3599,00

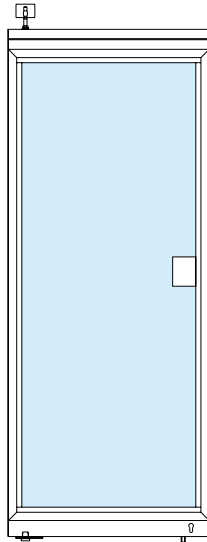


Double action sliding panel with ITS 96 and hold open
with bottom lock and upper locking unit, without cardan crank (for cardan cranks see page 64)

Dimensions
max. panel width 1100 mm
max. system height 3000 mm
max. panel weight 100 kg

Option:
Pair of handle plates (see page 62)

AL silver EV1 anod	816.518.101.99	3506,00
AL special color anod	816.518.199.99	3718,00
AL traffic white p-coat	816.518.300.99	3613,00
AL special color p-coat	816.518.399.99	3718,00



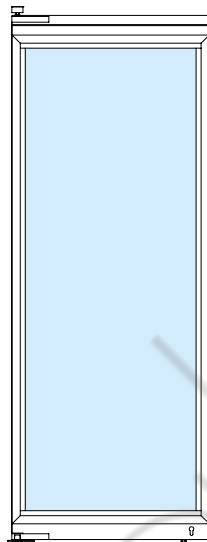
**Pivoting end panel,
single or double action,
with bottom lock,
including floor pivot with round spindle**

Dimensions

max. panel width 1100 mm
max. system height 3000 mm
max. panel weight 100 kg

Option:
Pair of handle plates
(see page 62)

Finish	Article No.	€/Piece
AL silver EV1 anod	816.513.101.99	1770,00
AL special color anod	816.513.199.99	1978,00
AL traffic white p-coat	816.513.300.99	1868,00
AL special color p-coat	816.513.399.99	1975,00



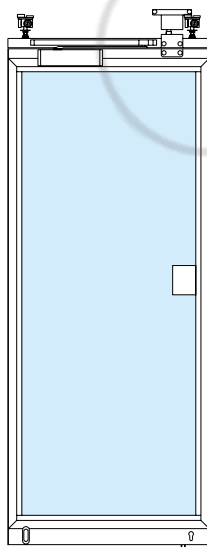
**Offset hung end panel
with bottom lock and door stop,
including floor pivot with flat taper spindle**

Dimensions

max. panel width 1100 mm
max. system height 3000 mm
max. panel weight 100 kg

Option:
Pair of handle plates
(see page 62)

AL silver EV1 anod	816.514.101.99	2042,00
AL special color anod	816.514.199.99	2266,00
AL traffic white p-coat	816.514.300.99	2156,00
AL special color p-coat	816.514.399.99	2266,00



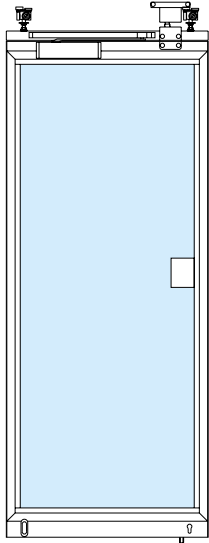
**Single action sliding panel
with TS 92 closer
and adjustable hold-open,
outward opening,
with bottom lock and upper locking unit,
without cardan crank
(for cardan cranks see page 64)**

Dimensions

max. panel width 1100 mm
max. system height 3000 mm
max. panel weight 100 kg

Option:
Pair of handle plates
(see page 62)

AL silver EV1 anod	816.506.101.99	2860,00
AL special color anod	816.506.199.99	3055,00
AL traffic white p-coat	816.506.300.99	2955,00
AL special color p-coat	816.506.399.99	3055,00

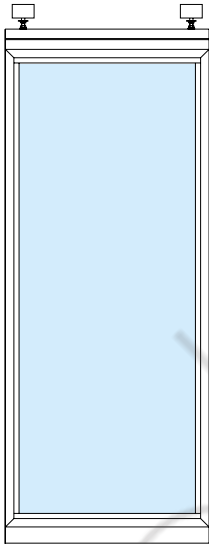


Single action sliding panel with TS 92 closer
and adjustable hold-open, inward opening, with bottom lock and upper locking unit, without cardan crank (for cardan cranks see page 64)

Dimensions
max. panel width 1100 mm
max. system height 3000 mm
max. panel weight 100 kg

Option:
Pair of handle plates (see page 62)

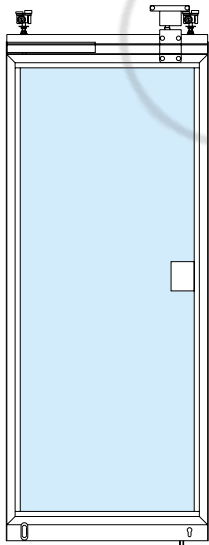
Finish	Article No.	€/Piece
AL silver EV1 anod	816.507.101.99	2860,00
AL special color anod	816.507.199.99	3055,00
AL traffic white p-coat	816.507.300.99	2955,00
AL special color p-coat	816.507.399.99	3055,00



Fixed panel
with two top clamps for fixed panels, with additional bottom spacer profile

Dimensions
max. panel width 1100 mm
max. system height 3000 mm
max. panel weight 100 kg

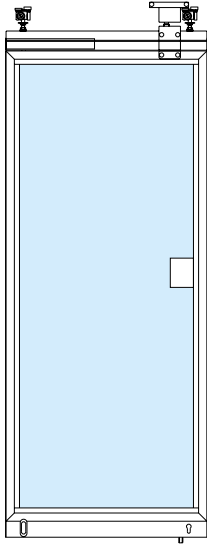
AL silver EV1 anod	816.515.101.99	1360,00
AL special color anod	816.515.199.99	1623,00
AL traffic white p-coat	816.515.300.99	1493,00
AL special color p-coat	816.515.399.99	1623,00



Single action sliding panel
with top brush seal, ITS 96 3 – 6 with hold-open, opening outwards, with bottom lock and upper locking unit, without cardan crank (for cardan cranks see page 64)

Dimensions
max. panel width 1100 mm
max. system height 3000 mm
max. panel weight 100 kg

AL silver EV1 anod	816.516.101.99	3416,00
AL special color anod	816.516.199.99	3646,00
AL traffic white p-coat	816.516.300.99	3528,00
AL special color p-coat	816.516.399.99	3646,00

**Single action sliding panel**

with top brush seal,
ITS 96 3-6 with hold-open,
opening inwards,
with bottom lock and upper locking unit,
without cardan crank
(for cardan cranks see page 64)

Dimensions

max. panel width 1100 mm
max. system height 3000 mm
max. panel weight 100 kg

Option:
Pair of handle plates
(see page 62)

Finish	Article No.	€/Piece
AL silver EV1 anod	816.517.101.99	3416,00
AL special color anod	816.517.199.99	3646,00
AL traffic white p-coat	816.517.300.99	3528,00
AL special color p-coat	816.517.399.99	3646,00

Options incl. installation

	Finish	Article No.	€/Piece
Surcharge for one additional bottom bolt as face mounted slide bolt		8.16.401.000.99	127,00
Surcharge for one additional bottom bolt as lock for Euro profile cylinder		8.04.021.001.50	76,00
Surcharge for one insert centre lock		8.16.400.000.99	267,00
Surcharge for one top bolt at pivoting end panel, single or double action	AL silver EV1 anod	8.16.600.101.99	118,00
	AL special color anod	8.16.600.199.99	151,00
	AL traffic white p-coat	8.16.600.300.99	126,00
	AL special color p-coat	8.16.600.300.99	151,00












Pair of handle plates
for HSW-R

Finish	Article No.	€/Piece
AL silver EV1 anod	816.410.101.99	168,00
AL special color anod	816.410.199.99	218,00
AL traffic white p-coat	816.410.300.99	180,00
AL special color p-coat	816.410.399.99	209,00

glass
Premium Glass Hardware



		Finish	Article No.	€/Piece
	Cardan crank for top locking units;	for system height:		
		up to 2500 mm	8.15.925.000.99	73,00
		up to 3000 mm	8.15.926.000.99	76,00
		up to 3600 mm	8.15.927.000.99	85,50
		up to 4000 mm	8.15.924.000.99	89,50
	Acrylic profile, clear For pinch-free glass edges at pivoting end panels with 18 mm pivot point Fixed length up to 4500 mm		8.01.021.001.00	€/m 32,00
	BTS 80 'Z' with adjustable hold-open, with cement case special height and reinforced cover plate and cover for spindle		8.15.805.000.99	635,00
	BTS 80 35 Nm, with adjustable hold open, with coverplate in satin stainless steel		8.03.033.700.99	504,00
	BTS 84 'Z' with cement case special height and reinforced cover plate and cover for spindle	with hold open at 90°	8.15.803.000.99	409,00
		without hold open device	8.15.804.000.99	403,00
	BTS 84 with cover plate in satin stainless steel	with hold open at 90°	8.18.028.700.99	286,00
		without hold open device	8.18.027.700.99	229,00
	BTS 'Z' cement case special height	BTS 80 'Z'	8.15.173.001.50	82,00
		BTS 84 'Z'	8.15.174.001.50	82,00
	Maintenance aid set consisting of: 2 maintenance rollers and 2 tension belts		8.15.518.000.99	159,00
	Supplement to maintenance aid set consisting of: maintenance section with cut out		8.15.519.000.99	48,00

	Finish	Article No.	€/Piece
	TS 92 inward opening with hold open	AL mill finish	8.15.867.100.99 448,00
		AL silver EV1 anod	8.15.867.101.99 448,00
		AL sim satin stainl steel anod C31	8.15.867.113.99 850,00
		AL special color anod	8.15.867.199.99 on request
		AL traffic white p-coat	8.15.867.300.99 448,00
		AL special color p-coat	8.15.867.399.99 462,00
	TS 92 inward opening without hold open	AL mill finish	8.15.868.100.99 381,00
		AL silver EV1 anod	8.15.868.101.99 381,00
		AL sim satin stainl steel anod C31	8.15.868.113.99 783,00
		AL special color anod	8.15.868.199.99 on request
		AL traffic white p-coat	8.15.868.300.99 381,00
		AL special color p-coat	8.15.868.399.99 381,00
	TS 92 outward opening with hold open	AL mill finish	8.15.869.100.99 448,00
		AL silver EV1 anod	8.15.869.101.99 448,00
		AL sim satin stainl steel anod C31	8.15.869.113.99 850,00
		AL special color anod	8.15.869.199.99 on request
		AL traffic white p-coat	8.15.869.300.99 448,00
		AL special color p-coat	8.15.869.399.99 462,00
	TS 92 outward opening without hold open	AL mill finish	8.15.870.100.99 381,00
		AL silver EV1 anod	8.15.870.101.99 381,00
		AL sim satin stainl steel anod C31	8.15.870.113.99 783,00
		AL special color anod	8.15.870.199.99 on request
		AL traffic white p-coat	8.15.870.300.99 383,00
		AL special color p-coat	8.15.870.399.99 391,00
	Lock keeper plate adjustable	8.05.190.000.99	13,50
	Floor bushing	8.05.192.000.99	7,00
	Eccentric bushing adjustable	8.05.194.000.99	23,00
	Clear neoprene profile for vertical glass edge (Subsequent installation possible), stock length: 5400 mm,		
	for 10 mm glass thickness	8.15.895.000.99	135,00
	for 12 mm glass thickness	8.15.896.000.99	187,00
	Clear neoprene profile for vertical glass edge (Subsequent installation possible), in fixed length		
	for 10 mm glass thickness	8.15.928.000.99	€/m 26,50
	for 12 mm glass thickness	8.15.929.000.99	€/m 37,00
	Rubber seal for vertical glass edge, translucent, self-adhesive (subsequent installation possible) in fixed length	8.15.508.000.99	€/m 20,00

Notification for returns

In case of returns please get in touch with your local contact.

Dear Sir or Madam,
please consult us about each return in advance and
enclose this note with the return.
Thank you very much.

Sender / Returns arranged by::

Customer's No. _____ Date _____

Contact person (in case of query): Name, Tel No. _____

Please note: For agreed repurchases of standard stock products (not older that 3 months) we will charge a handling fee of min. 20 % of the value of goods. Returns of used products, customer-specific products (special fabrications: fixed lengths, special colors etc.) and goods that do not meet the technical standard any more, will not be accepted.

Reason (e.g. 1 or 5a)	Return no.	from order no.	Pos. in order	Article no.	Article description	Quantity

Reason for return:

- 1) Incorrectly ordered 2) Return of sample 3) Return of stock articles according to separate list
- 4) Goodwill 5) Complaint according to following reason

Reason for complaint (5):

- a) Wrong article b) Product fault c) No / incorrect function d) Double delivery
- e) Damage of finish (scratch) f) Condition of finish g) Color variance h) Packaging defect
- i) Damage / transport damage

Additional remarks: _____

_____ Date

_____ Signature





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