

TP/TA
EASY Safe

The TP/TA EASY Safe door rail range leaves nothing to be desired

The TP/TA EASY Safe door rails for single- and double-action doors are recommended at the top and bottom of the door leaf to stabilize particularly wide doors, or for use only at the bottom edge of the door to protect against impact. Improved sealing against draught is ensured by the double brush channels (positioned towards the inside and outside of the room) which also continue through the lock area. The door rails can also be used identically as side panel rails on fixed parts. Matched to the design and surfaces of DORMA-Glas patch fittings, they create a uniform appearance even in complex toughened glass assemblies. In larger buildings, they extend this continuity to various shop front and entrance solutions by being identically designed like the door rails of HSW systems - on individual doors, in toughened glass assemblies and with horizontal sliding walls.

Strong against burglary - safe for the people

The sturdy basic profiles of the door rails with the integrated locks are screwed together at intervals of 150 mm from the inside of the room, thus ensuring a firm hold on the glass without access from the outside. Additional bonding (Clamp&Glue) is ideal when using toughened safety glass, and obligatory for laminated safety glass. It provides even more protection against burglary. With locks, the area of application determines the design. Whether prepared for profile or round cylinders, with or without security roses, as a bolt lock closing vertically in the floor or ceiling, or with an additional microswitch for a status indication - everything is in here. Laterally closing latch locks in the door rail are also possible in combination with electric strikes in the adjacent side panel rail.

Durably high quality

The vertically closing lock inserts are characterized by a special corrosion and abrasion resistant bolt with integrated, hardened safety roller pin. This provides the highest corrosion resistance according to EN 670, class 4 and DIN 825, class 3 (with regard to type testing*). A neutral testing institute successfully tested the latch function with 500,000 movement cycles and the bolt with 100,000 movement cycles.

Easy adjustment of the doors - during and after installation

The clamping of the door rails on the glass panel by screwing from only one side makes installation particularly easy, especially with upper pivot points or fixing of fixed panels. This also offers great advantages for adjustment. By easily loosening and re-fixing the upper and lower door rails and the separately clamped lower insert, the vertical glass edges can be aligned exactly to each other, the height adjustment

can be adjusted and the pivot point can be positioned exactly, especially when the system is installed. In order to prevent possible damage due to subsequent work in the area around the door, the covers can be simply clipped on at the very end in the color-giving finishes.

No glass preparation, secure fastening

Well acquainted with the special features of glass, DORMA-Glas has designed the door rails in such a way that drilling and other glass processing is unnecessary (except for rails with latch lock and electric opener). Sophisticated design measures ensure large clamping surfaces with optimum effect. When using laminated safety glass made of annealed glass or laminated safety glass made of toughened safety glass, additional bonding of the door rail to the glass is mandatory. This minimizes the clamping force and prevents glass breakage.

Just the right measure

With a uniform height of 105 mm (4.2"), the door rails are manufactured to exact dimensions for doors up to a maximum width of 1,400 mm. Starting with a standard glass thickness of 10 mm toughened safety glass, glass in other thicknesses can also be accommodated with the appropriate intermediate gaskets to suit the order.

TSG: 10 mm; 12 mm; 15 mm; 19 mm

LSG (made of 2 x TSG): 10.8 mm; 12.8 mm; 13.5 mm; 17 mm

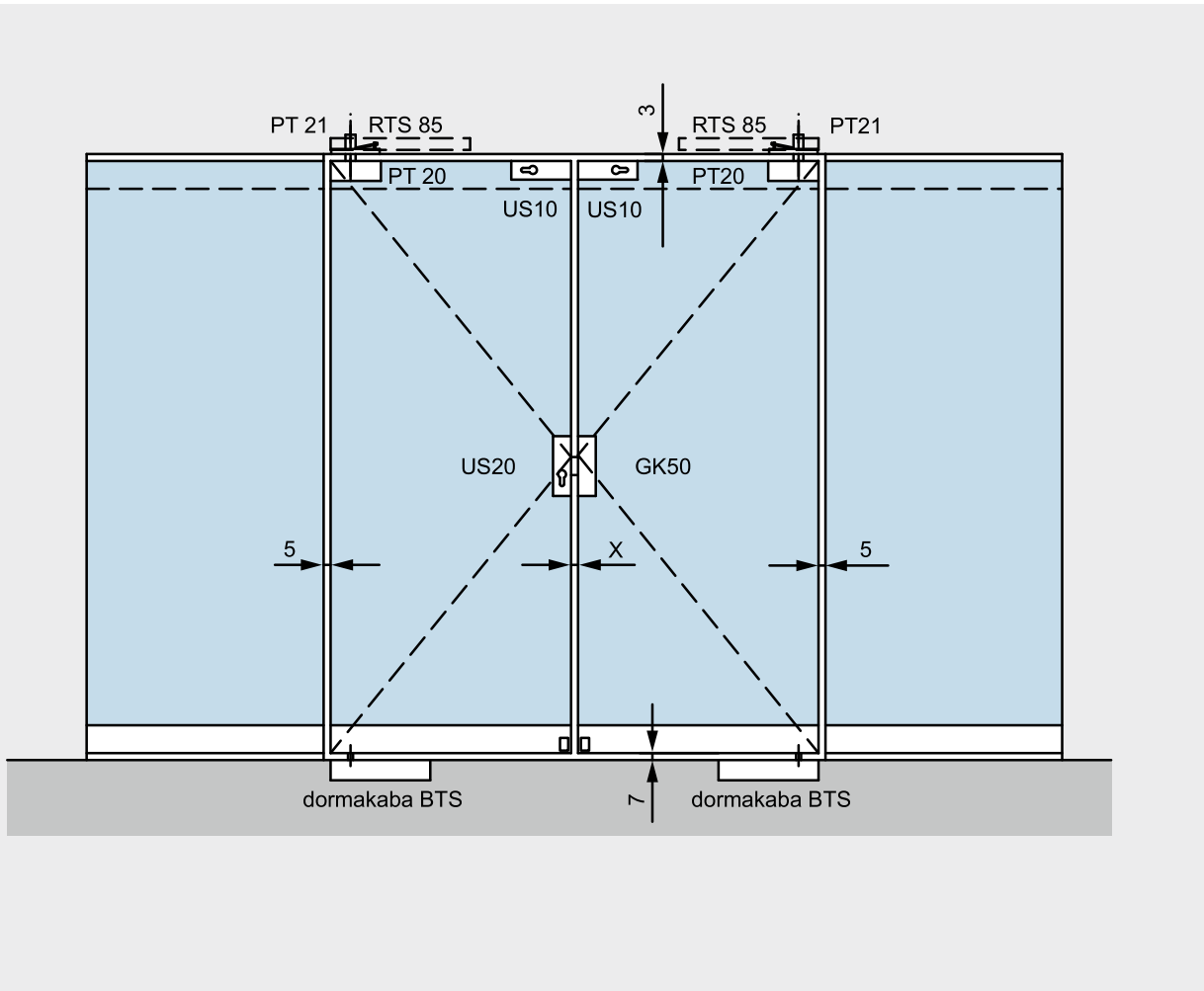
Variable central pivot point

The door rail inserts for doors with a central pivot point are designed in such a way that the pivot point dimension (distance between the centre of the pivot axis of the door and the wall or adjacent fixed glass panel) can be selected between 55 and 65 mm. Pre-assembled with a pivot point of 65 mm as standard, the corresponding insert can be loosened, turned through 180 degrees around the vertical axis and clamped into the door rail again. A separate insert for a 22 mm pivot point (for floor bearings or dormakaba BTS) is also available.

Finishes - beauty and protection

In protected indoor areas or exposed to wind and weather: For every application, the surface of the cover profiles also contributes to the right solution. This may concern the color to match the ambience or the choice of material. In extreme weather conditions, for example near the coast, we recommend our highly weather-resistant powder coating on aluminum profiles as well as stainless steel covers.

Technical specifications



Note: Please always indicate the glass thickness when ordering!

Glass size – height:

Rail height – 105 mm	
Use of rail(s)	total door height less
bottom	80 mm
top	80 mm
bottom + top	160.0 mm

Please treat floor and ceiling clearances separately

Door rail weight:

Version	Weight
Aluminum	7 kg / m
Satin stainless steel	8.5 kg / m

Gaskets for glass thicknesses available as follows:	10 mm
	10.8 mm
	12 mm
	12.8 mm
	13.5 mm
	15 mm
	17 mm
	19 mm

Gap required between pairs of doors:

Offset hung doors and Centre hung doors:	
Individual leaf width	X
> 600 mm	5 mm

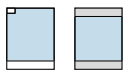
Tolerance of glass thickness: +/- 0.5 mm

RTS = transom closer


Technical data

Maximum dimensions for use of bottom door rails in combination with top door rails or top patch fittings

Panels with double-action door rails combined with ...

	Panel type 	Bottom door rail standard			Bottom door rail special type with bottom strap in forged steel			Comments
		weight kg	width mm	height mm	weight kg	width mm	height mm	
Door rails for centre hung doors, combined with...								
... Patch fittings UNIVERSAL	●	110	1,200	3,000	120	1,200	3,500	*For high frequented doors we generally recommend to use the bottom strap in forged steel with reduced max. measurements. **pivot point 20 mm ***only for double-action doors with door rail top and bottom
... Patch fittings MUNDUS ¹⁾								
MUNDUS Comfort	●	150	1,200	3,000	150*	1,200*	3,000*	
MUNDUS Premium	●	150	1,200	3,000	200 (170*)	1,300 (1,200*)	3,800 (3,500*)	
... Patch fittings EP UNIVERSAL pinch	●	100	1,100	3,000				
... Door rails standard	●	150	1,200	3,500	200*** (150*)	1,400*** (1,200*)	4,000 (3,500*)	
... Door rails clamp free	●	120	1,200	3,500				

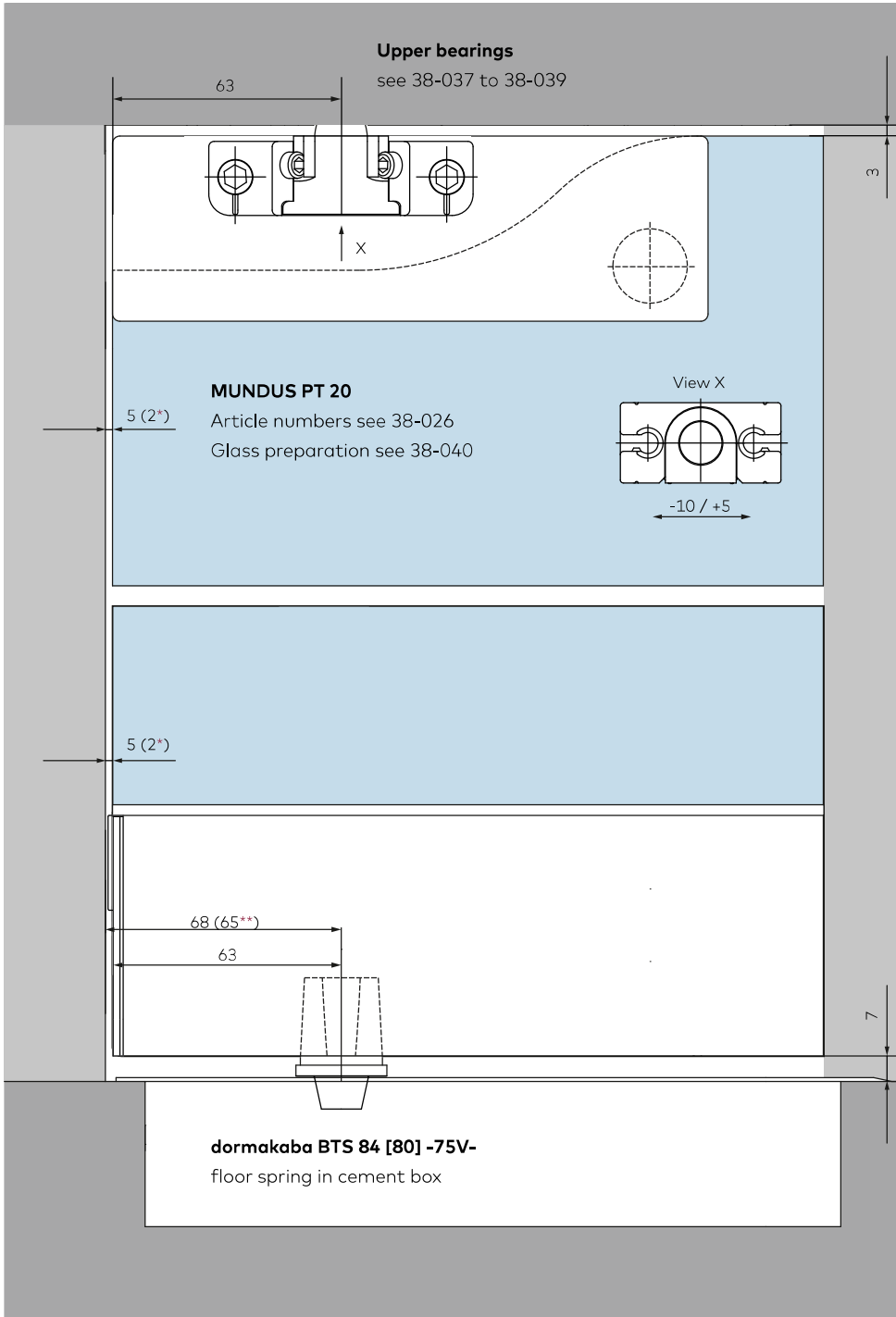
Panels with single-action door rails combined with ...

	Panel type 	Bottom door rail standard			Comments
		weight kg	width mm	height mm	
Door rails for offset hung doors in toughened glass assemblies, combined with...					
... Patch fittings EA	●	100	1,200	3,000	34 mm door stap for toughened glass assemblies
... Door rails standard	●	100	1,200	3,500	
Door rails for offset hung doors in rebated frames (24 mm/26 mm rebate depth), combined with ...					
... Eckbeschlägen EA	●	90	1,100	3,000	40 mm/42 mm door stap for 24 mm/26 mm rebate depth
... Türschienen Standard	●	90	1,100	3,500	
Door rails for offset hung doors in rebated frame (27 mm – 40 mm rebate depth), combined with ...					
... Patch fittings EA	●	80	1,000	3,000	43 mm/58 mm door stap for 27 mm–40 mm rebate depth
... Door rails standard	●	80	1,000	3,500	

Torque for fixing screws: Screws M 8 : 15 Nm

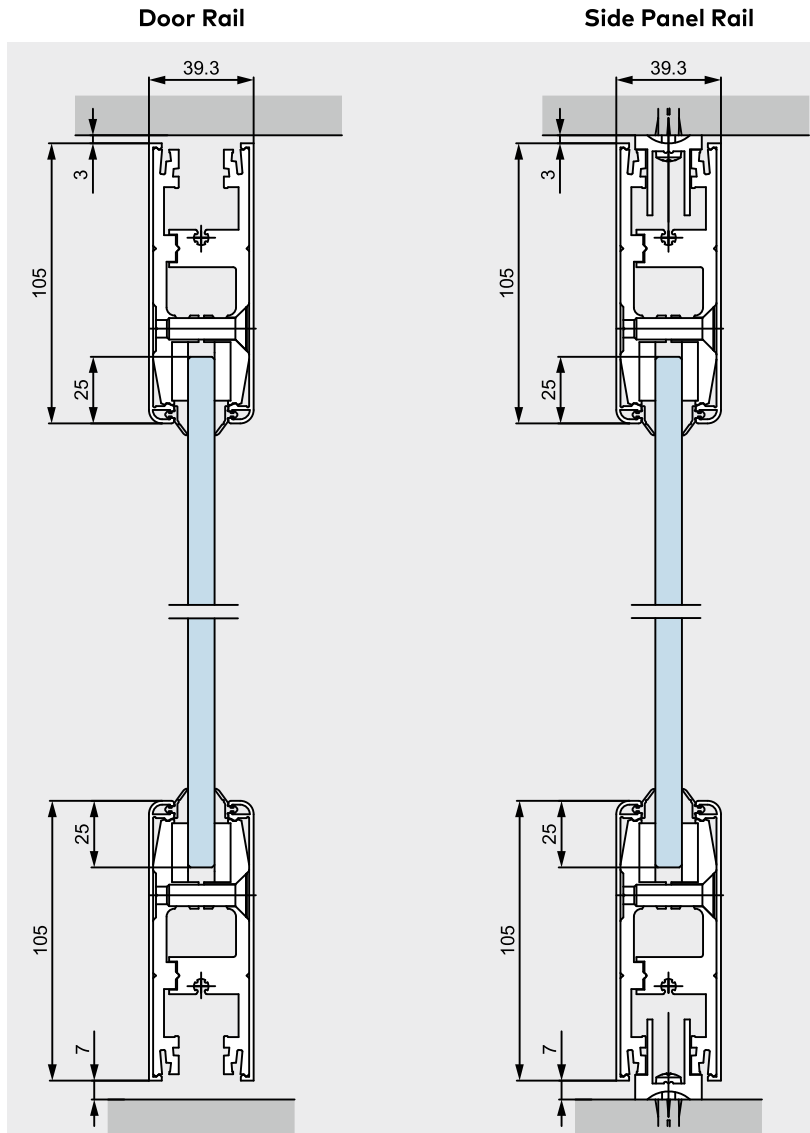
¹⁾ Doors weighing 150 kg or more or with a height of 3,000 mm or more must be glued. For gluing instructions, see matrix for door dimensions, TB Fittings for toughened glass assemblies.

TP/TA EASY Safe
in combination with patch fitting MUNDUS



* without cap
** to wall

Rail cross sections

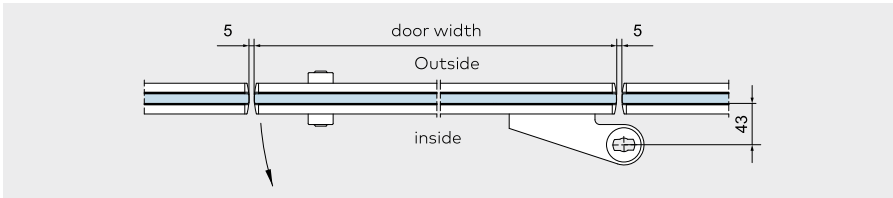


	Product description	Art. No.
	<p>Double sealing brush for door rails (also in the area of inserts, locks, etc.) stock length 2,000 mm</p>	<p>40.072</p>

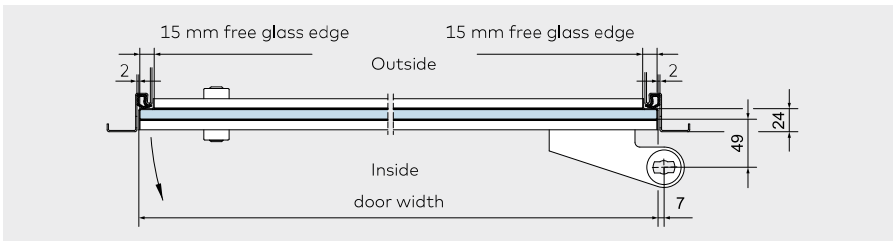
Construction details

Please always indicate when ordering:

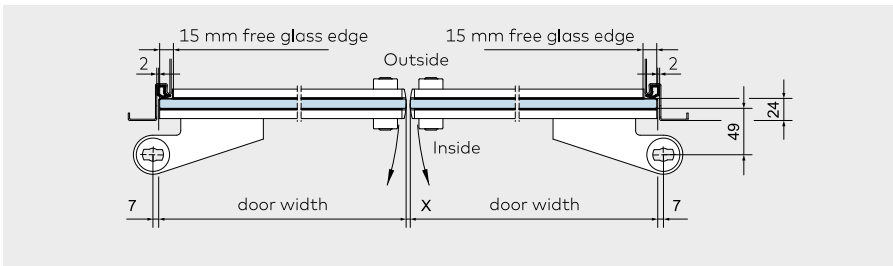
- DIN direction and opening direction
- Pivot point or rebate depth
- exact wing width
- Glass thickness and glass type (TSG, annealed glass or LSG made of TSG)
- Details of the type of locking system



Offset hung door in toughened glass assembly

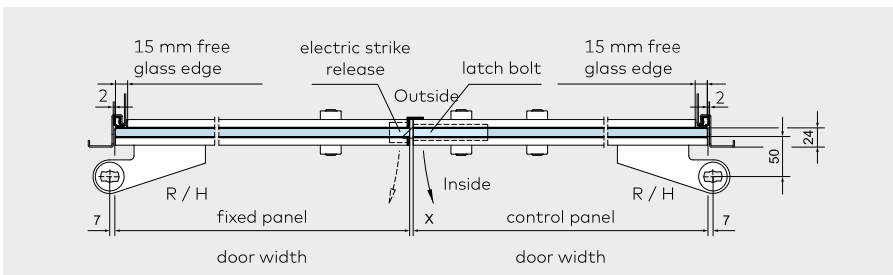


Offset hung door in rebated frame with 24 mm rebate depth



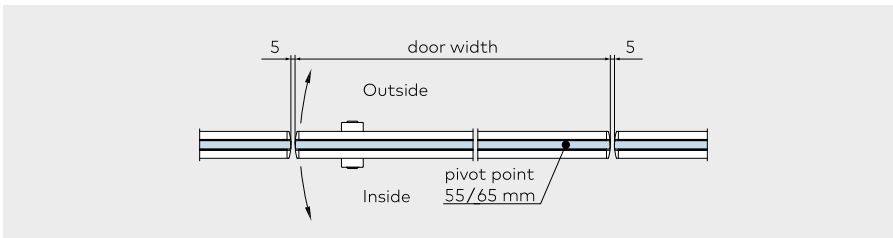
Pair of offset hung doors in rebated frame with 24 mm rebate depth

X = Gap, 5 mm

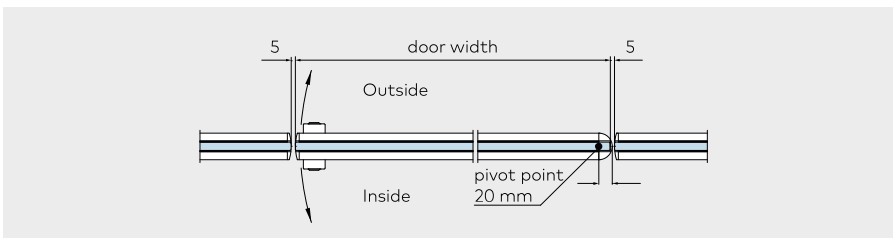


Pair of offset hung doors in rebated frame with 24 mm rebate depth (also available with inserts for centre hung doors), with electric strike release and latch bolt

X = Gap, 5 mm



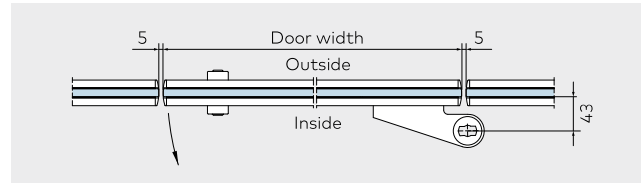
Centre hung doors with pivot point 55 / 65 mm und 20 mm

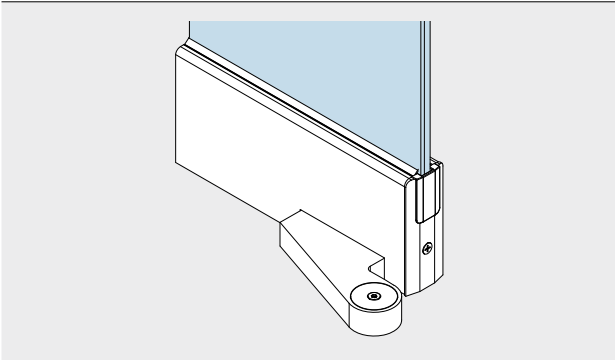
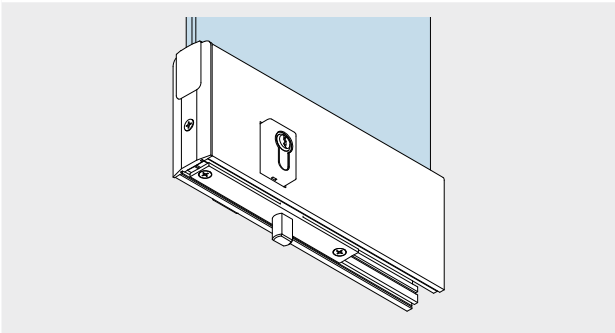
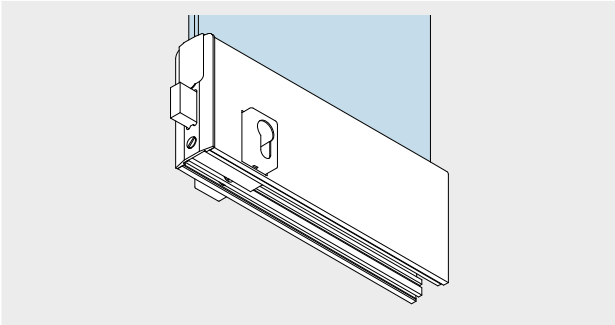
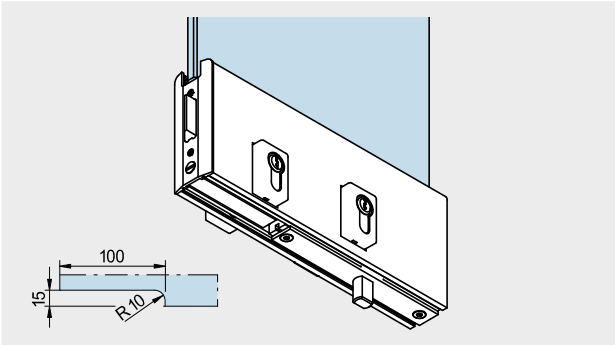


Door rails for offset hung doors in toughened glass assemblies without rebated frames

Complete, for 10 mm glass thickness, without free glass edges, pivot point to glass surface 43 mm

Note: Please note the internal screw connection of the door rail

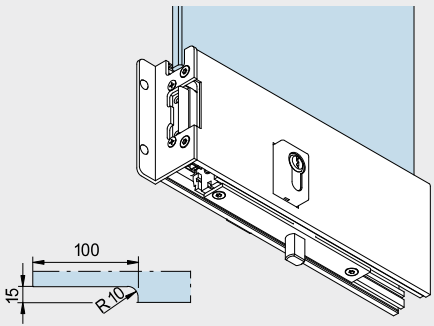
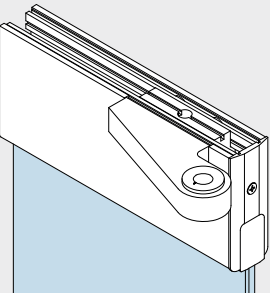
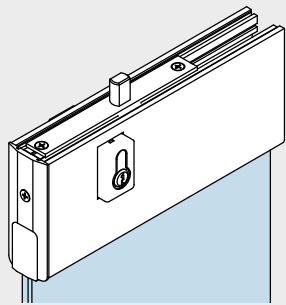
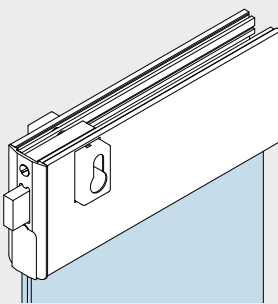


	Product description	Art. No.
	Lower base rail	*40.731/40.733
	Additional module with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt	*40.751/40.753
	Additional module with side locking lock, prepared for Europrofile cylinder, double throw	*40.771/40.773
	Additional module with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and latch bolt at side for electric strike release	*40.779/40.781

*Left / right hand (illustration shows right hand) are determined by view from hanging side.

Please always indicate when ordering:

- DIN direction
- exact wing width
- Glass thickness and glass type (TSG, annealed glass or LSG made of TSG)
- Details of the type of locking system

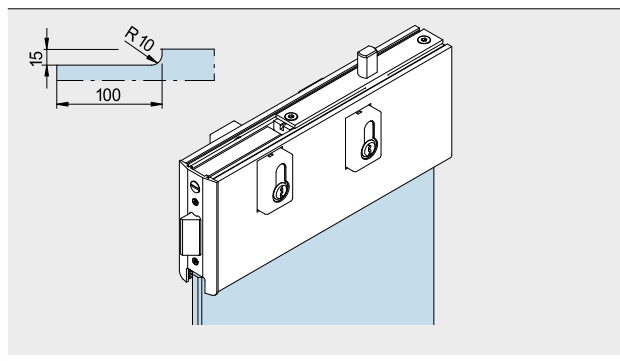
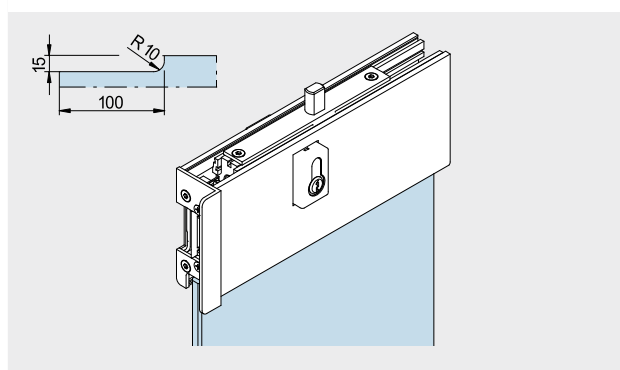
	Product description	Art. No.
	Additional module with downward closing bolt lock , PZ prepared, 1-turn with corrosion protected bolt and hardened safety roller pin and lateral E-opener (Standard: fail secure function, 6 to 12 V –/–)	*40.783/40.785 (for Art. No. 40.781/40.779)
	Upper base rail	*40.732/40.734
	Additional module with top locking lock, prepared for Europrofile cylinder , single throw	*40.752/40.754
	Additional module with side locking lock , prepared for Europrofile cylinder, double throw	*40.772/40.774

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Door rails for offset hung doors in toughened glass assemblies without rebated frames

Please always indicate when ordering:

- DIN direction
- exact wing width
- Glass thickness and type (TSG, annealed glass or LSG made of TSG)
- Details of the type of locking system

	Product description	Art. No.
	<p>Upper base rail Additional module with top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and latch bolt at side for electric strike release</p>	<p>**40.780/40.782</p>
	<p>Additional module with top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and electric strike release (Standard: fail secure function, 6 to 12 V –/–)</p>	<p>*40.784/40.786 (for Art. No. 40.782/40.780)</p>

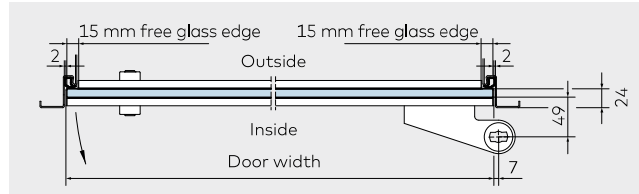
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** Left / right hand (illustration shows left hand) are determined by view from hanging side.

Door rails for offset hung doors in rebated frames

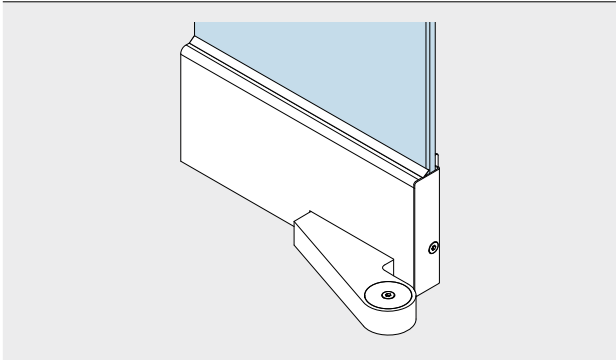
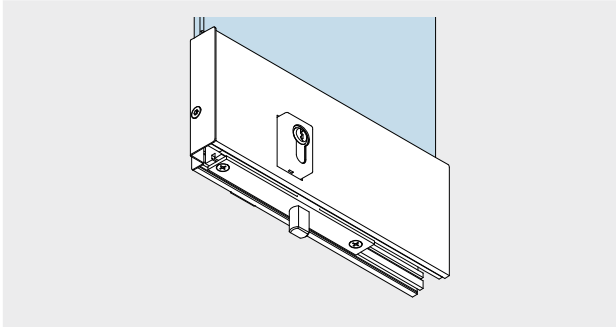
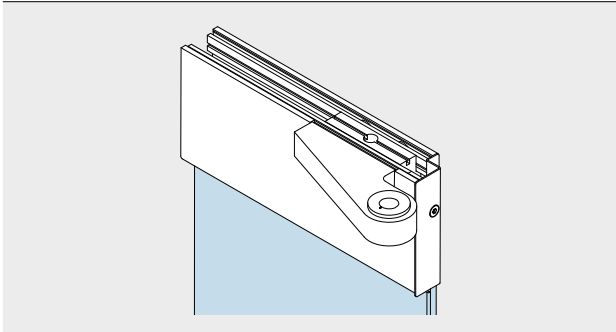
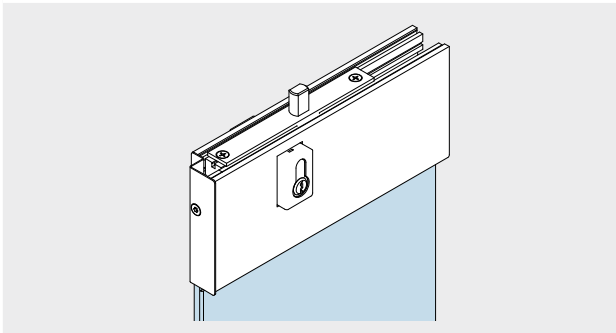
With 24 mm rebate depth

Complete, for 10 mm glass thickness, strap 40 mm, with free glass edge left and right, pivot point to glass surface 50 mm. Also available for rebate depths up to 40 mm. If required, please talk to our Application Engineering people.



Please always indicate when ordering:

- DIN direction
- Deviating rebate depth up to max. 40 mm
- exact wing width
- Glass thickness/type (TSG, annealed glass or LSG made of TSG)
- Details of the type of locking system

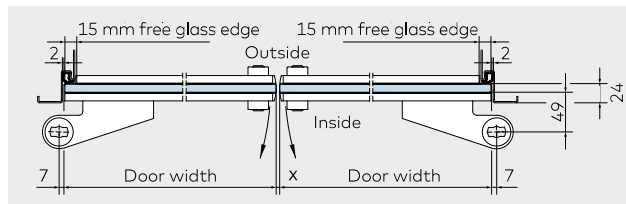
	Product description	Art. No.
	Lower base rail	*40.735/40.737
	Additional module with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin	*40.755/40.757
	Upper base rail	*40.736/40.738
	Additional module with top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin	*40.756/40.758

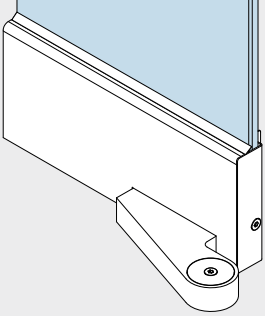
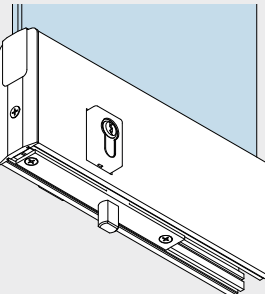
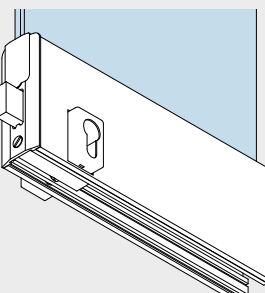
* Left / right hand (illustration shows right hand) are determined by view from hanging side.

Door rails for double offset hung doors in rebated frames

With 24 mm rebate depth

Complete, for 10 mm glass thickness, strap 40 mm, with 15 mm free glass edge of hanging stile, pivot point to glass surface 50 mm

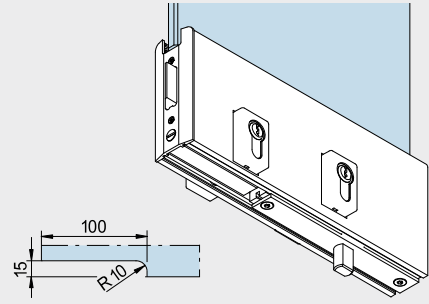
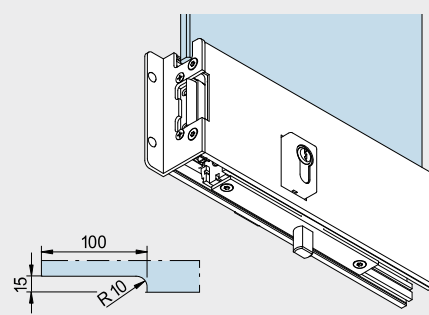


	Product description	Art. No.
	Lower base rail	*40.739/40.741
	Additional module with floor locking lock, prepared for Europrofile cylinder, single throw	*40.759/40.761
	Additional module with side locking lock, prepared for Europrofile cylinder, double throw	*40.775/40.777

* Left / right hand (illustration shows right hand) are determined by view from hanging side.

Please always indicate when ordering:

- DIN direction
- Deviating rebate depth up to max. 40 mm
- exact wing width
- Glass thickness and type (TSG, annealed glass or LSG made of TSG)
- Details of the type of locking system

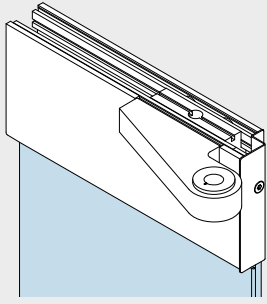
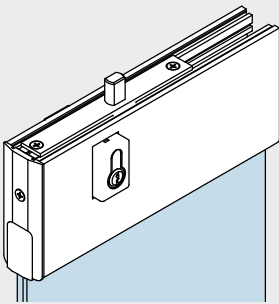
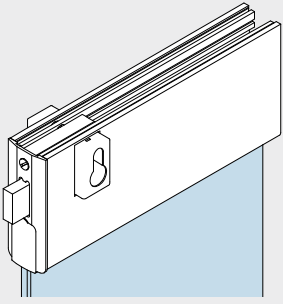
	Product description	Art. No.
	<p>Lower base rail with floor locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and latch lock at side for electric strike release</p>	<p>*40.743/40.745</p>
	<p>Additional module with floor locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and electric strike release at side (Standard: fail secure function, 6 to 12 V -/-)</p>	<p>*40.747/40.749</p>

* Left / right hand (illustration shows right hand) are determined by view from hanging side.

Door rails for double offset hung doors in rebated frames

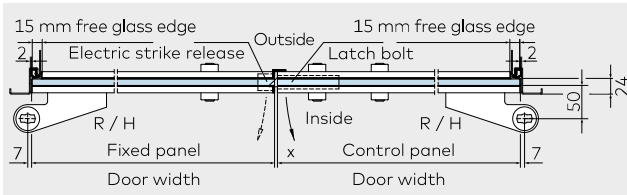
Please always indicate when ordering:

- DIN direction
- Deviating rebate depth up to max. 40 mm
- exact wing width
- Glass thickness and type (TSG, annealed glass or LSG made of TSG)
- Details of the type of locking system

	Product description	Art. No.
	Upper base rail	*40.740/40.742
	Additional module with top locking lock, prepared for Europrofile cylinder, single throw	*40.760/40.762
	Additional module with side locking lock, prepared for Europrofile cylinder, double throw	*40.776/40.778

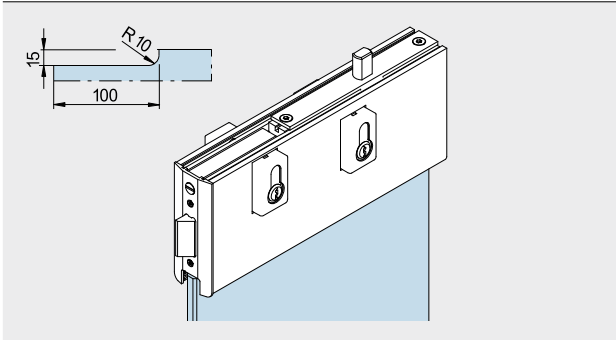
* Left / right hand (illustration shows right hand) are determined by view from hanging side.

Double door with electric opener and latch lock



Product description

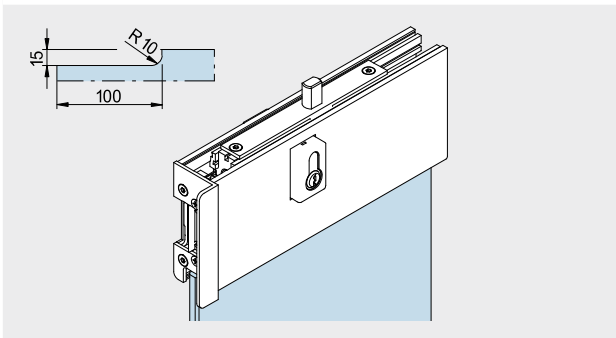
Art. No.



Upper base rail

***40.744/40.746**

with top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and latch bolt at side for electric strike release



Additional module with top locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and electric strike release at side (Standard: fail secure function, 6 to 12 V -/-)

****40.748/40.750**
(for Art. No. 04.182/04.180)

* Left / right hand (illustration shows left hand) are determined by view from hanging side

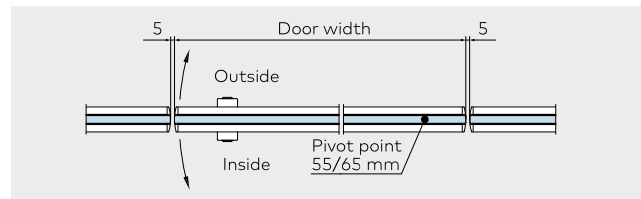
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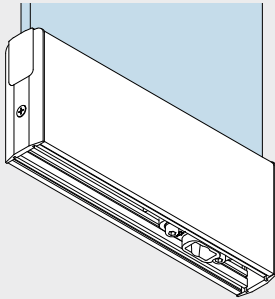
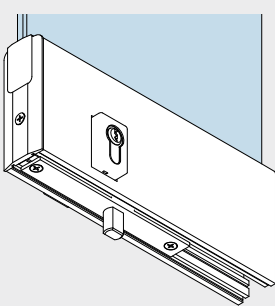
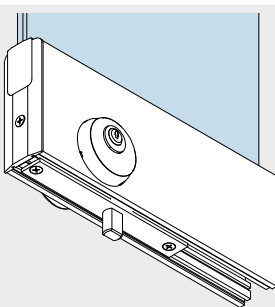
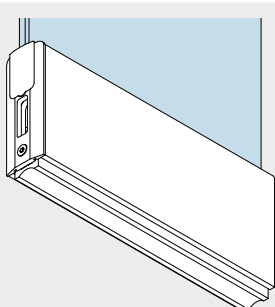
Door rails for double-action doors

Complete, for 10 mm glass thickness

Pivot point dimension for combination door rail and UNIVERSAL fittings 55 / 65 mm

Pivot point dimension for combination door rail and MUNDUS fittings 58 / 68 mm

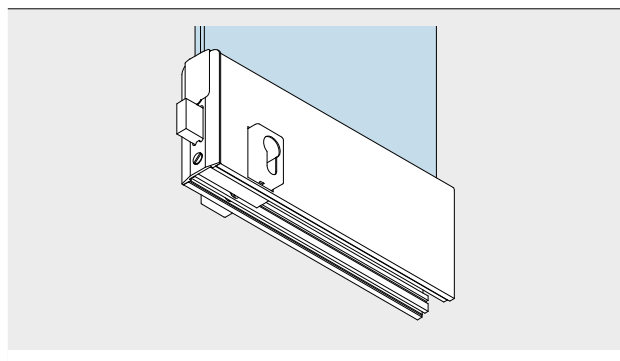
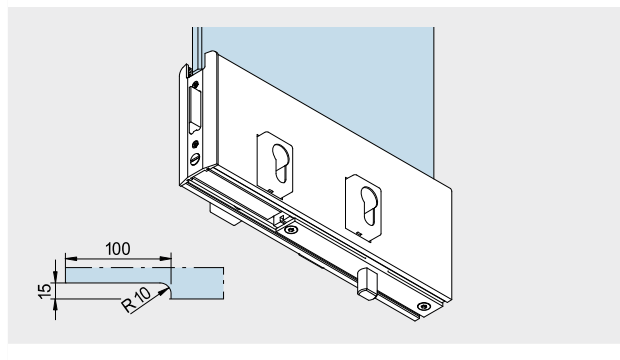
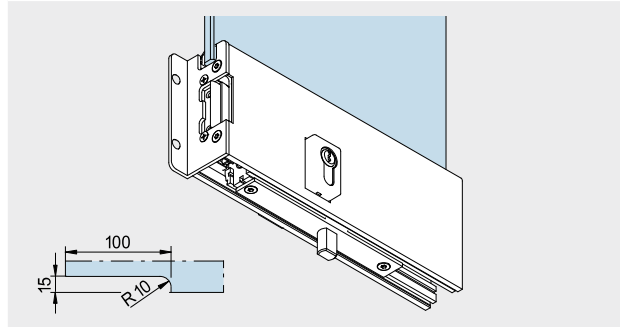


	Product description	Art. No.
	<p>Lower base rail with stainless steel insert to suit floor spring spindle or round pivot 14 mm Ø</p>	<p>*40.701/40.801</p>
	<p>Additional module with floor locking lock, prepared for Europrofile cylinder, single throw</p>	<p>*40.711/40.811</p>
	<p>Additional module with floor locking lock, prepared for round cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p>	<p>*40.763/40.863</p>
	<p>Additional module with strike-box for side bolt locking, door width up to max. 1,200 mm (> 1,200 mm on request)</p>	<p>40.915</p>

* Order of Art.No.: Left hand / right hand – determined by view from hanging side. (Illustration shows right hand)

Please always indicate when ordering:

- DIN direction
- exact wing width
- Glass thickness and type (TSG, annealed glass or LSG made of TSG)
- Details of the type of locking system

	Product description	Art. No.
	Additional module with side locking lock, prepared for Europrofile cylinder, double throw	*40.721/40.821
	Lower base rail with latch lock at side for electric strike release and floor locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin. The use of latch lock or electric strike release results from a single-action door situation.	*40.791/40.793
	Additional module with electric strike release at side (Standard: fail secure function, 6 to 12 V -/-) and floor locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin. The use of latch lock or electric strike release result from a single-action door situation.	*40.796/40.798

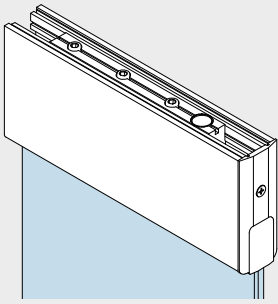
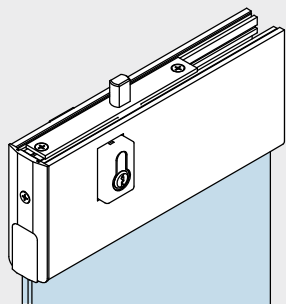
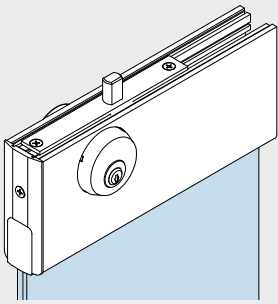
* Order of Art.No.: Left hand / right hand – determined by view from hanging side. (Illustration shows right hand)

Door rails for double-action doors

Complete, for 10 mm glass thickness

Pivot point dimension for combination door rail and UNIVERSAL fittings 55 / 65 mm

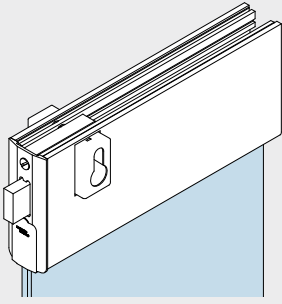
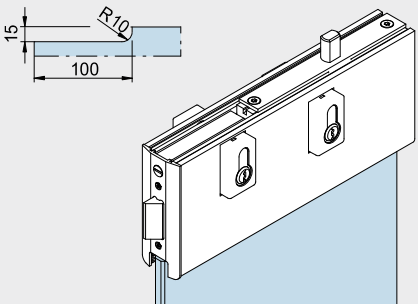
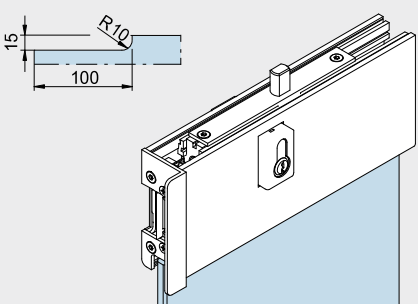
Pivot point dimension for combination door rail and MUNDUS fittings 58 / 68 mm

	Product description	Art. No.
	Upper base rail with insert to take 15 mm Ø pivot pin	*40.702/40.802
	Additional module with top locking lock, prepared for Europrofile cylinder , single throw with corrosion resistant bolt and hardened safety roll pin :	*40.712/40.812
	Additional module with top locking lock prepared for round cylinder , single throw with corrosion resistant bolt and hardened safety roll pin	*40.763/40.863

* Order of Art.No.: Left hand / right hand – determined by view from hanging side. (Illustration shows right hand)

Please always indicate when ordering:

- DIN direction
- exact wing width
- Glass thickness and type (TSG, annealed glass or LSG made of TSG)
- Details of the type of locking system

	Product description	Art. No.
	<p>Upper base rail with side locking lock, prepared for Europrofile cylinder, double throw</p>	<p>*40.722/40.822</p>
	<p>Additional module with latch lock at side for electric strike release and top locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin. The use of latch lock or electric strike release results in a single-action door situation.</p>	<p>*40.792/40.794</p>
	<p>Additional module with electric strike release at side (Standard: fail secure function, 6 to 12 V -/-) and top locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin. The use of latch lock or electric strike release results in a single-action door situation.</p>	<p>*40.797/40.799</p>

* Order of Art.No.: Left hand / right hand – determined by view from hanging side. (Illustration shows right hand)

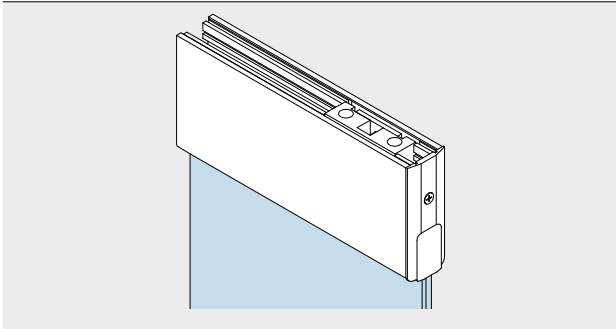
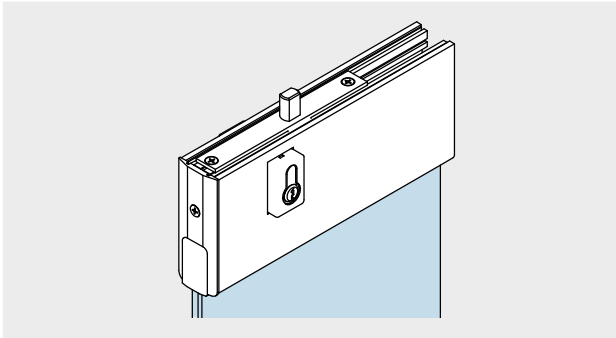
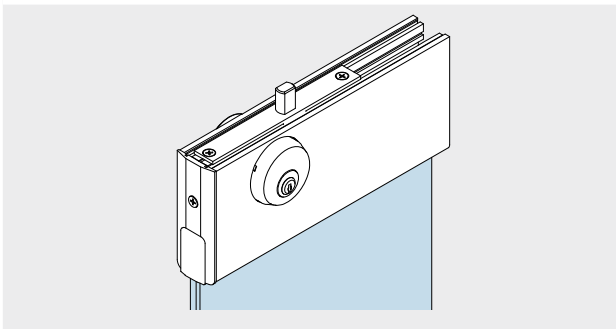
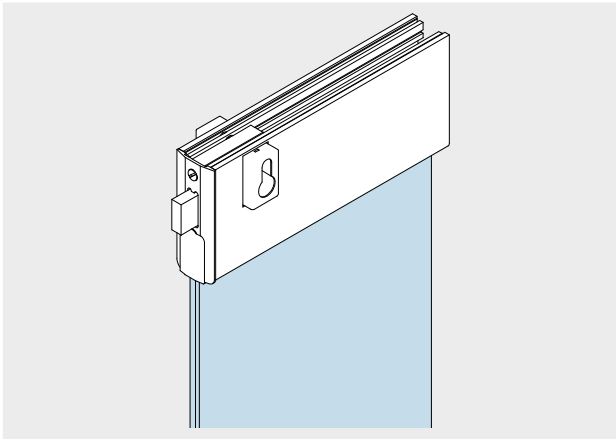
Door rails for double-action doors prepared for frame door closers RTS 85

Complete, for 10 mm glass thickness

Pivot point dimension for combination door rail and UNIVERSAL fittings 55 / 65 mm

Please always indicate when ordering:

- DIN direction
- exact wing width
- Glass thickness and type (TSG, annealed glass or LSG made of TSG)
- Details of the type of locking system

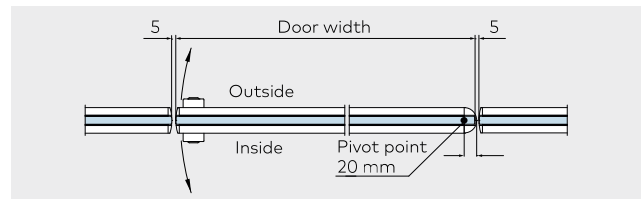
	Product description	Art. No.
	Upper base rail with insert for RTS transom closer	*40.706/40.806
	Additional module and top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin	*40.716/40.816
	Additional module with top locking lock prepared for round cylinder, single throw with corrosion resistant bolt and hardened safety roll pin	*40.767/40.867
	Additional module and side locking lock, prepared for Europrofile cylinder, dou- ble throw	*40.726/40.826

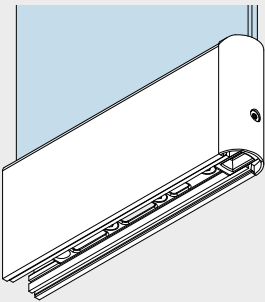
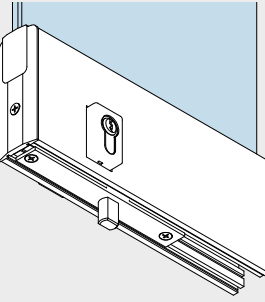
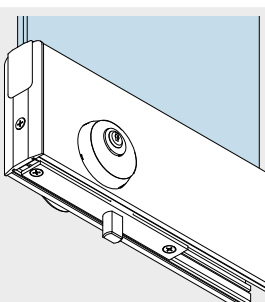
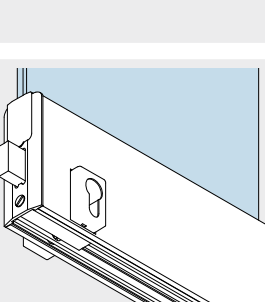
* Order of Art.No.: Left hand / right hand – determined by view from hanging side. (Illustration shows right hand)

Door rails for double-action doors

Complete, for 10 mm glass thickness

Pivot point dimension for combination door rail and UNIVERSAL fittings 55 / 65 mm



	Product description	Art. No.
	<p>Lower base rail with floor spring spindle insert</p>	<p>*40.703/40.803</p>
	<p>Additional module with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pinn</p>	<p>*40.713/40.813</p>
	<p>Additional module with floor locking lock prepared for round cylinder, single throw (not illus-trated) with corrosion resistant bolt and hardened safety roll pin</p>	<p>*40.765/40.865</p>
	<p>Additional module with side locking lock, prepared for Europrofile cylinder, double throw</p>	<p>*40.723/40.823</p>

* Order of Art.No.: Left hand / right hand – determined by view from hanging side. (Illustration shows right hand)

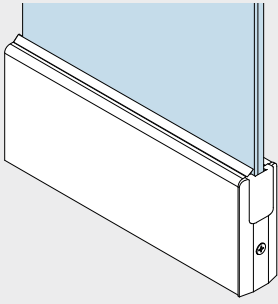
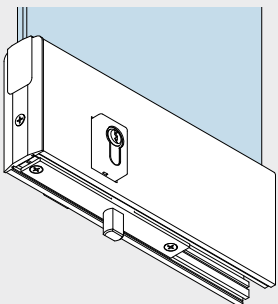
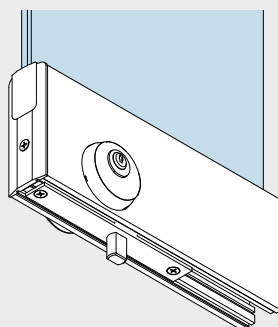
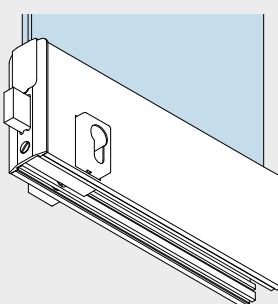
Door rails for double-action doors

Complete, for 10 mm glass thickness

Pivot point dimension for combination door rail and door rail, prepared for floor bearing, 20 mm

Please always indicate when ordering:

- DIN direction
- exact wing width
- Glass thickness and type (TSG, annealed glass or LSG made of TSG)
- Details of the type of locking system

	Product description	Art. No.
	Lower base rail prepared for floor bearing	*40.707/40.807
	Lower base rail with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin, prepared for floor bearing	*40.717/40.817
	Additional module with floor locking lock prepared for round cylinder , single throw with corrosion resistant bolt and hardened safety roll pin, prepared for floor bearing	*40.768/40.868
	Additional module with side locking lock , prepared for Europrofile cylinder , double throw, prepared for floor bearing	*40.717/40.827

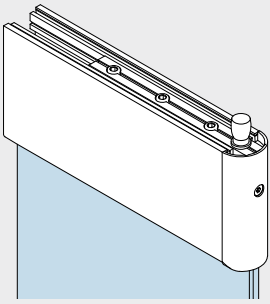
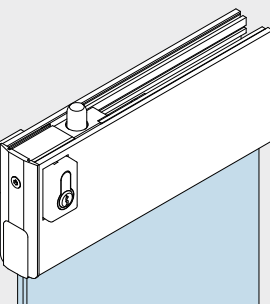
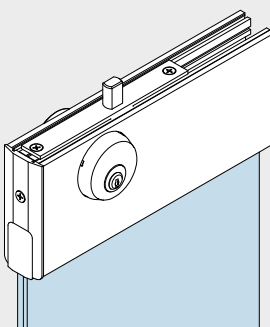
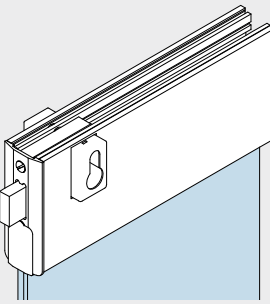
* Order of Art.No.: Left hand / right hand – determined by view from hanging side. (Illustration shows right hand)

Complete, for 10 mm glass thickness

Pivot point dimension for combination door rail and door rail, prepared for floor bearing, 20 mm

Please always indicate when ordering:

- DIN direction
- exact wing width
- Glass thickness and type (TSG, annealed glass or LSG made of TSG)
- Details of the type of locking system

	Product description	Art. No.
	<p>Upper base rail with 15 mm Ø pivot pin, A version without pivot-pin is also possible, please specify when ordering.</p>	<p>*40.704/40.804</p>
	<p>Additional module and top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p>	<p>*40.714/40.814</p>
	<p>Additional module with top locking lock prepared for round cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p>	<p>*40.766/40.866</p>
	<p>Additional module with side locking lock, prepared for Europrofile cylinder, double throw</p>	<p>*40.724/40.824</p>

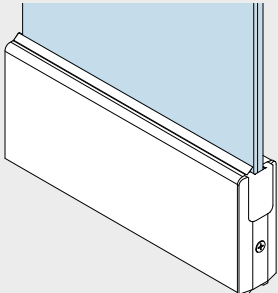
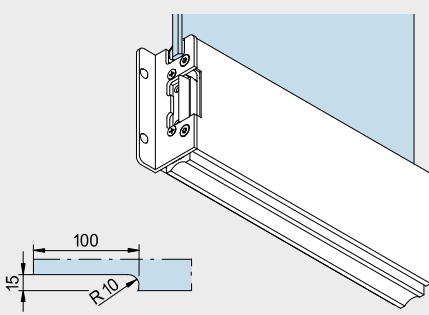
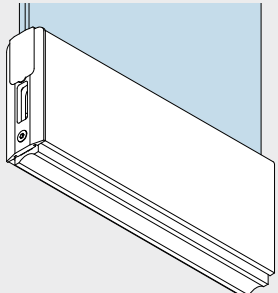
* Order of Art.No.: Left hand / right hand – determined by view from hanging side. (Illustration shows right hand)

Rails for side panel

Complete, for 10 mm glass thickness

Please always indicate when ordering:

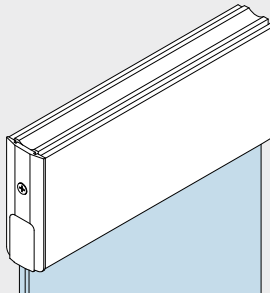
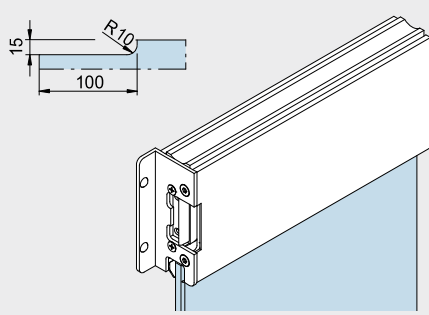
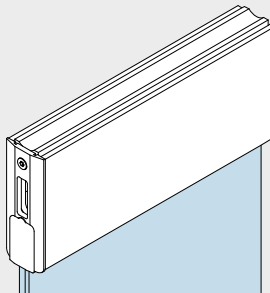
- DIN direction
- exact wing width
- Glass thickness and type (TSG, annealed glass or LSG made of TSG)
- Details of the type of locking system

	Product description	Art. No.
	<p>Lower base rail for side panel, up to approx. 6,000 mm long with rail filler insert 7 mm</p>	<p>40.901</p>
	<p>Additional module with electric strike release (standard: fail secure function, 6 to 12 V +/-), door width up to max. 1,200 mm (> 1,200 mm on request)</p>	<p>*40.911/40.913</p>
	<p>Additional module with strike-box for side bolt locking, door width up to max. 1,200 mm (> 1,200 mm on request)</p>	<p>40.915</p>

* Left / right hand (illustration shows right hand) are determined by view from hanging side.

Please always indicate when ordering:

- DIN direction
- exact wing width
- Glass thickness and type (TSG, annealed glass or LSG made of TSG)
- Details of the type of locking system

	Product description	Art. No.
	Upper base rail für Seitenteil, up to approx. 6,000 mm long with rail filler insert 3 mm	40.902
	Additional module with electric strike release (standard: fail secure function, 6 to 12 V -/-)	*40.912/40.914
	Additional module with strike-box for side bolt locking	40.916

* Left / right hand (illustration shows right hand) are determined by view from hanging side.

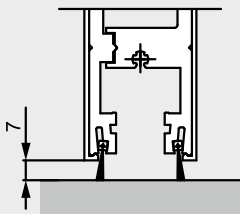
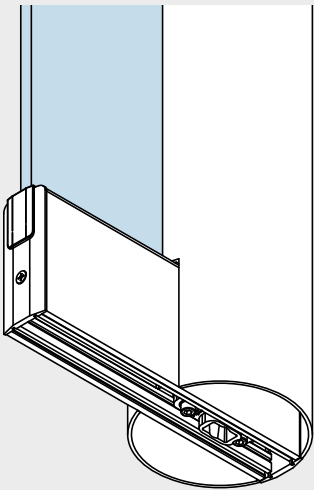
Top centre frame portion with top door rail ES

in combination with patch fittings see chapter EA

	Product description	Art. No.
	<p>Frame top centre with fixing block</p>	<p>02.150</p>
	<p>Frame top centre with angle bracket</p>	<p>02.151</p>
	<p>Frame top centre with special wedge screw fixings</p> <p>Drill jig:</p>	<p>*02.152/02.153</p> <p>8.02.081.001.50</p>
	<p>Frame top centre AT 212 GSR with fixing plate</p>	<p>*02.340/02.341</p>

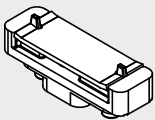
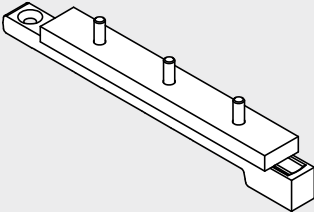
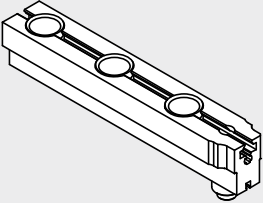
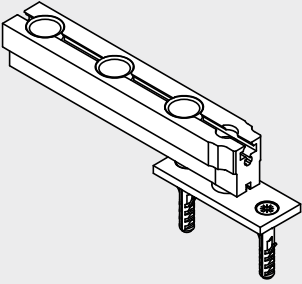
* Left / right hand (illustration shows right hand) are determined by view from hanging side.

Special accessories and special inserts for door rails

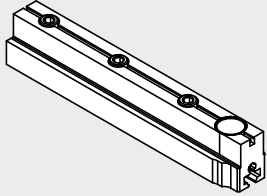
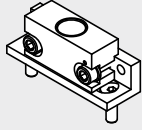
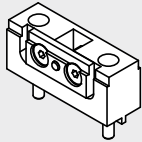
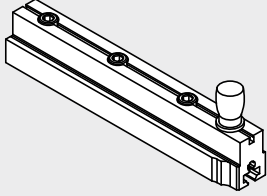
	Product description	Art. No.
	<p>Double sealing brush for door rails (also in the area of inserts, locks, etc.)</p> <p>stock length 2 m (= 1 coil)</p>	<p>40.072 Sealing brush 1 St = 2m</p>
	<p>Aluminum round profile for pinch free doors with 65 mm pivot point, consisting of 2 halves, prepared for UNIVERSAL fittings* or door rails 106 mm.</p> <p>Please indicate:</p> <ul style="list-style-type: none"> • Panel height (max. 3,000 mm, higher dim. on request) • Required preparation of the profile for top and bottom fittings <p>fixed length</p> <p>stock length 6,000 mm (not prepared) stock length 3,000 mm (not prepared)</p> <p>Weight in kg/m: Aluminum 4.744</p>	<p>03.380</p> <p>03.381 03.382</p>

Special accessories and special inserts for door rails

Bottom inserts

	Produktbeschreibung	Art.-Nr.
	<p>Bottom insert ES for floor spring spindle profile or round pivot 14 mm Ø, (floor spring dormakaba BTS or floor bearing Art. No. 01.106 and 01.107), stainless steel, 55/65 mm pivot point max. door weigh 150 kg, max. door width 1,300 mm</p>	<p>40.071</p>
	<p>lower steel door lever ES in forged steel special edition, mounted in door rails, to suit floor spring spindles. (Also suitable for floor bearing 04.602, 04.603. Not suitable for floor bearing with round pivot.) For centre hung doors</p> <ul style="list-style-type: none"> • normal frequented doors, max. door weight 200 kg, max. door width 1,400 mm • high frequented doors, max. door weight 150 kg, max. door width 1,200 mm <p>Pivot point either 20/55/65 mm (please specify with order)</p>	<p>40.567</p>
	<p>Frame bottom centre ES, aluminum, to suit floor bearings 01.106 and 01.107, 20/55/65 mm pivot point, max. door weight 80 kg</p>	<p>40.565</p>
	<p>Screw-on floor bearing for damp environment, without floor recess, with inserts for door rails, max. 110 kg, for the standard pivot points 20, 55, 65 usable (infinitely variable)</p>	<p>40.566</p>

Upper insert

	Produktbeschreibung	Art.-Nr.
	Upper insert ES 20/55/65 mm pivot point, Aluminum	40.564
	Upper split insert ES, Aluminum, special, 55/65 mm pivot point not in standard door rail	40.578
	Upper insert, galvanised steel, 65 mm pivot point, ES for dormakaba RTS transom closer, zinc plated steel, 65 mm pivot point	40.577
	Frame top centre ES Aluminum, 20/55/65 mm pivot point	40.563

Content

TP/TA 76.5

134	General information
135	Type illustrations
138	Components
204	Accessories
226	Safety-related information



TP/TA 76.5

TP/TA 76.5 – door rails which leave nothing to be desired

TP / TA 76.5 door and side panel rail coordinate in design, dimensions and finishes with all DORMA-Glas patch fittings. This creates the opportunity to specify fittings for the assembly which provide maximum protection and effective sealing of the lower glass edges. The provision of door rails allows the installation of extremely heavy-duty and wide doors.

Tamper resistant, with integral locks

The robust base rails are screwed together from alternate sides of the door at 150 mm centres. This makes unauthorised removal of the rail virtually impossible. All door rails are available with integral locks, prepared for profile cylinders and with security rosettes, or prepared for certain lever locks.

Special security- and quality characteristics

The particular feature of the locks with bottom or top locking bolt is a special corrosion and abrasion resistant bolt with integrated safety roll pin (hardened). By this the locks comply to DIN 18251, class 3 (according to type testing*) and the highest corrosion resistance according to EN 1670, class 4 is achieved. Furthermore the lock was tested successfully by a neutral testing institute with 500,000 latch and 100,000 locking bolt operating cycles.

Easy door adjustment – especially whilst hanging

Because TP / TA 76.5 rails are a screw/clamp system, they have a great advantage over other systems. The rail can be adjusted up and down, and also side to side, to compensate for irregularities in the door opening.

Also, the clip-on rail cover has advantages. Because the door can be hung and secured without it, the covers need not be fixed until the wet trades have finished and the cleaners have been through.



No glass preparation, firm fixing

DORMA-Glas has an intimate knowledge of the special properties of glass as a building material. This has led to the design of rails requiring no glass preparation – no holes, no cut-outs. Carefully considered and positive measures have been taken to create the maximum clamping surface with optimum clamping efficiency.

Length to order, to suit 10 mm or 8 mm and 12 mm

The door rail is 76.5 mm high and available in custom lengths. As standard, the door rail is prepared with gaskets for 10 mm glass thickness. However, it can also be ordered with gaskets for 8 or 12 mm.

Variable pivot point and absolute pinch free on door rails for centre hung doors TP

All the inserts for door rails in the TP / TA range have been designed and manufactured to give two options in the pivot point distance from the sidepanel or frame. It can be either 55 mm or 65 mm (distance from pivot point to door edge – 53 mm and 63 mm respectively). In order to change from the standard dimension of 65 mm to 55 mm, the standard insert is unscrewed from the patch, rotated through 180°, and refixed position. At 65 mm pivot point and the use of a special round profile (page 148) doors can be built pinch free (constant air gap of 4 mm).

Reliability built in

Quality materials and thorough workmanship mean that TP / TA 76.5 rails have the features necessary to meet the most demanding of specifications.

Short delivery times

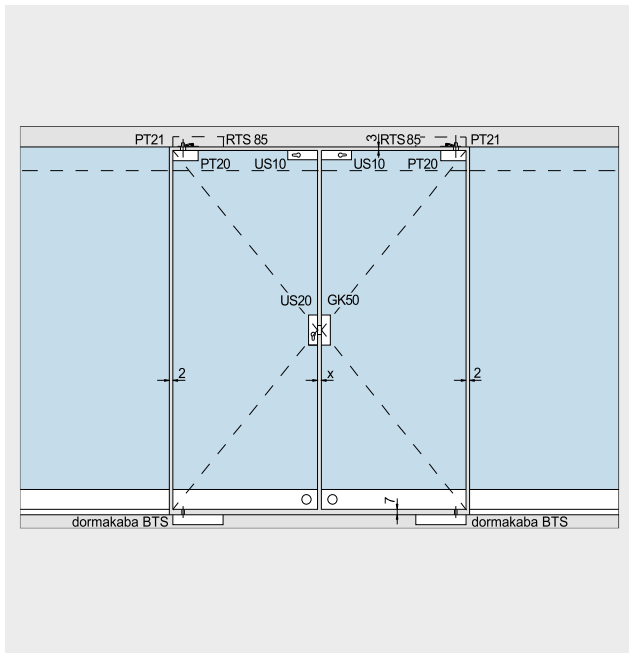
All standard articles as per price list are available ex-stock (factory). Specials will be prepared promptly.

Finishes

Special coatings are required at extreme environment conditions (i.e. coastal areas).

*Extract from DIN 18251, class 3: type-test with 50,000 locking bolt operating cycles.

Technical specifications



Glass size – height:

Rail height – 76.5 mm

Use of rail(s)	total door height less
bottom	56.5 mm
top	56.5 mm
bottom + top	113.0 mm

Please treat floor and ceiling clearances separately

Gap required between pairs of doors:

Offset hung doors:


Individual leaf width	X
over 1,000 mm	4 mm
1,000–600 mm	6 mm
600–400 mm	8 mm

Centre hung doors:

X = 4 mm

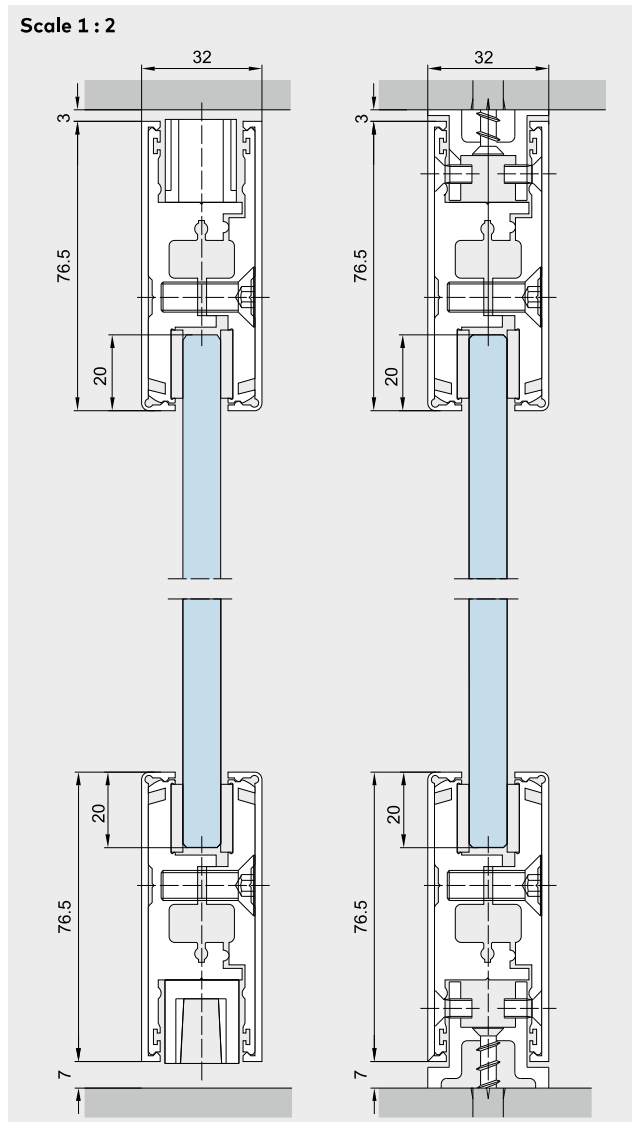
RTS = transom closer

Maximum dimensions for use of bottom door rails in combination with top door rails or top patch fittings

	Panel type	Bottom door rail standard			Bottom door rail special type with bottom strap in forged steel			Comments
		weight kg	width mm	height mm	weight kg	width mm	height mm	
Door rails for centre hung doors, combined with...								*For high frequented doors we generally recommend to use the bottom strap in forged steel with reduced max. measurements.
... Patch fittings UNIVERSAL	●	110	1,100	3,000	120	1,100	3,000	
... Door rails standard	●	120	1,100	3,000	120*	1,100*	3,000*	
Door rails for offset hung doors in toughened glass assemblies, combined with...								34 mm door stap for toughened glass assemblies
... Patch fittings EA	●	100	1,100	3,000				
... Door rails standard	●	100	1,100	3,000				
Door rails for offset hung doors in rebated frames (24 mm/26 mm rebate depth), combined with ...								40 mm/42 mm door stap for 24 mm/26 mm rebate depth
... Patch fittings EA	●	90	1,100	3,000				
... Door rails standard	●	90	1,100	3,000				
Door rails for offset hung doors in rebated frames (27 mm – 40 mm rebate depth), combined with ...								43 mm/58 mm door stap for 27 mm–40 mm rebate depth
... Patch fittings EA	●	80	1,000	3,000				
... Door rails standard	●	80	1,000	3,000				

Torque for fixing screws: Screws M 8 : 20 Nm

Rail cross sections

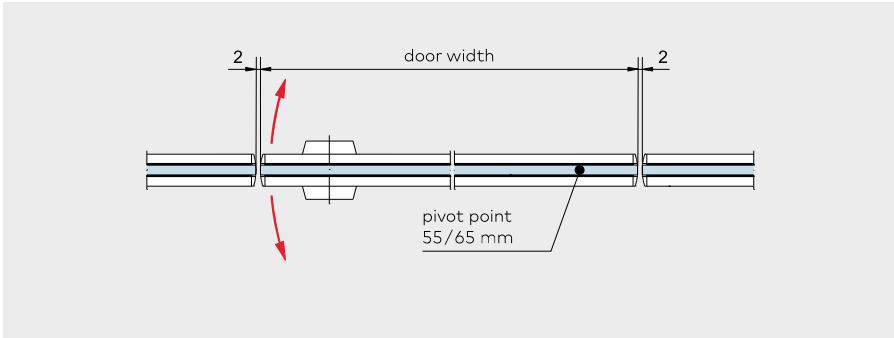


Door rails,
76.5 mm high

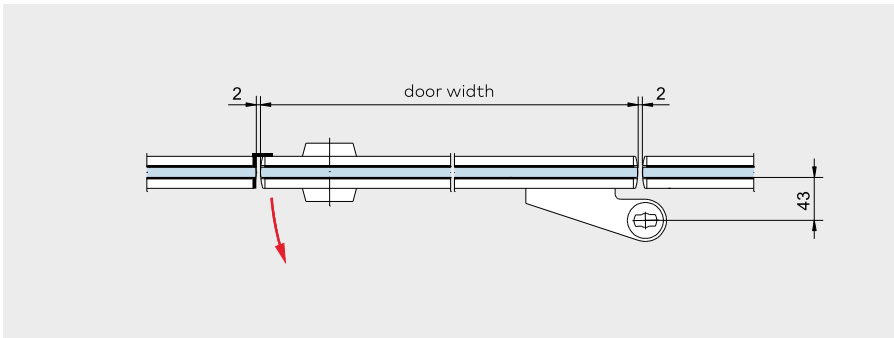
Side panel rails,
76.5 mm high

	Product description	Art. No.
	<p>AGILE Aluminum profile brush seal to prevent draughts and energy loss (not in the area of inserts, locks, etc.), connected with door rail at manufacturer</p> <p>Weight in kg/m: 0.753</p>	04.600
	<p>Rubber sealing for door rails (also in the area of inserts, locks, etc.) fixed length stock length 200 m (= 1 coil)</p> <p>Weight in kg/m: 0.099</p>	04.607 04.608

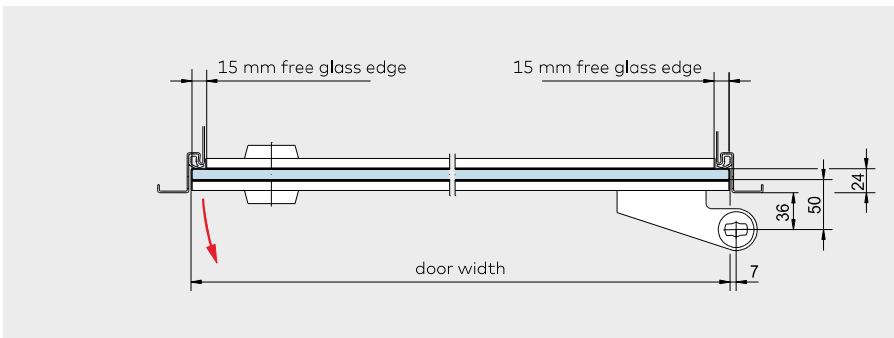
Construction details



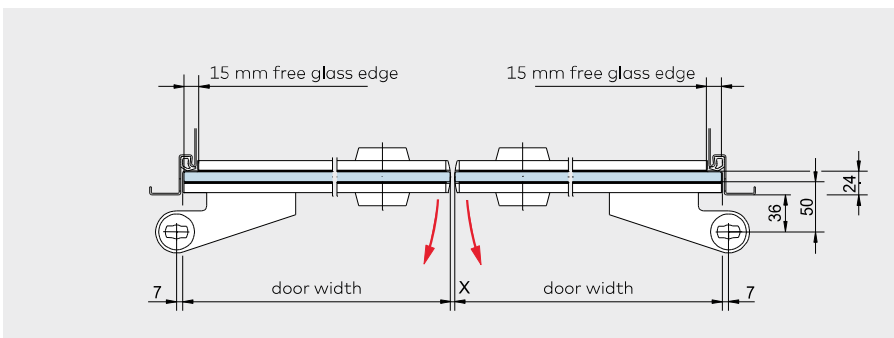
Centre hung doors



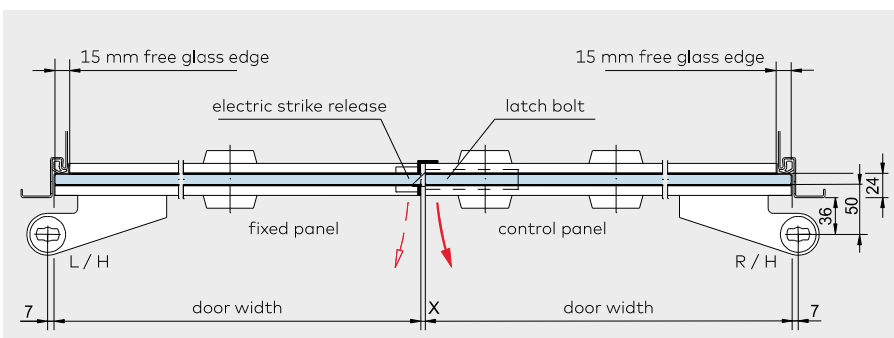
Offset hung door in toughened glass assembly



Offset hung door in rebated frame with 24 mm rebate depth



Pair of offset hung doors in rebated frame with 24 mm rebate depth

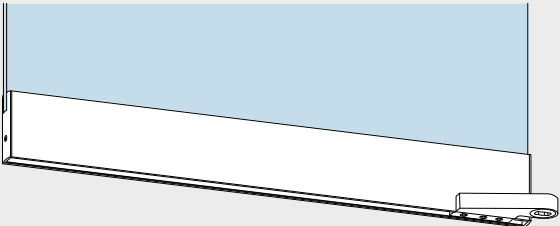
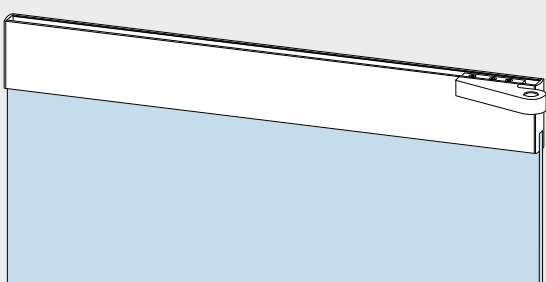
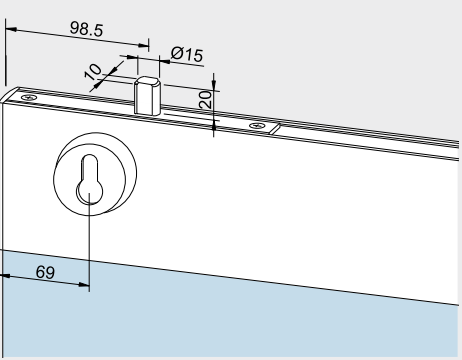


Pair of offset hung doors in rebated frame with 24 mm rebate depth (also available with inserts for centre hung doors), with electric strike release and latch bolt

X = Gap, see table page 135.

Door rails for offset hung doors in toughened glass assemblies without rebated frames

Complete, for 10 mm glass thickness, strap 34 mm, without free glass edges, pivot point to glass surface 43 mm

	Product description	Art. No.
	<p>Bottom rail</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.257 Stainless steel 5.555</p>	<p>*04.031/04.033</p>
<p>* Left / right hand (illustration shows right hand) are determined by view from hanging side.</p>		
	<p>Top rail</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.187 Stainless steel 5.522</p>	<p>*04.032/04.034</p>
	<p>...with top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.522 Stainless steel 5.972</p>	<p>*04.052/04.054</p>
<p>* Left / right hand (illustration shows right hand) are determined by view from hanging side.</p>		

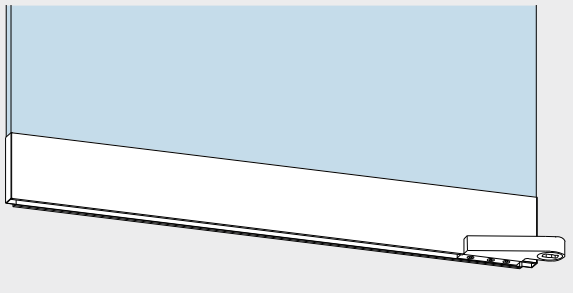
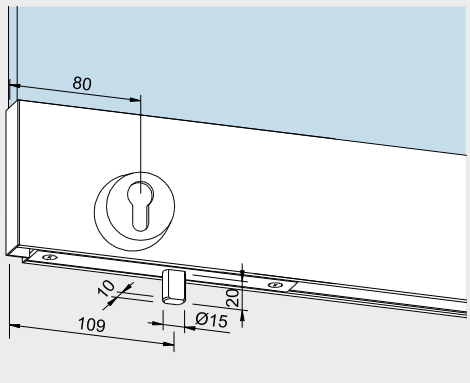
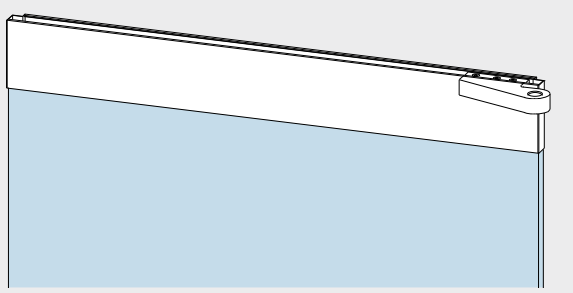
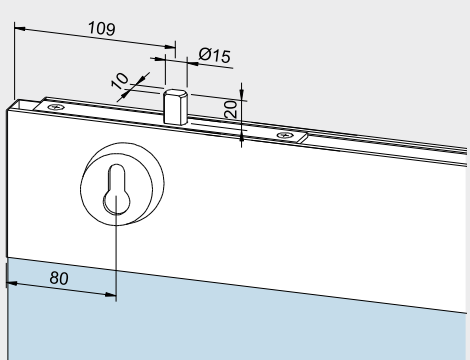
Door rails for offset hung doors in rebated frames

With 24 mm rebate depth

Complete, for 10 mm glass thickness, strap 40 mm, with free glass edge left and right, pivot point to glass surface 50 mm

Also available for rebate depths up to 40 mm.

If required, please talk to our Application Engineering people.

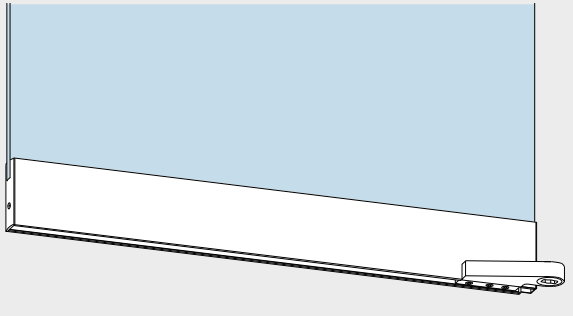
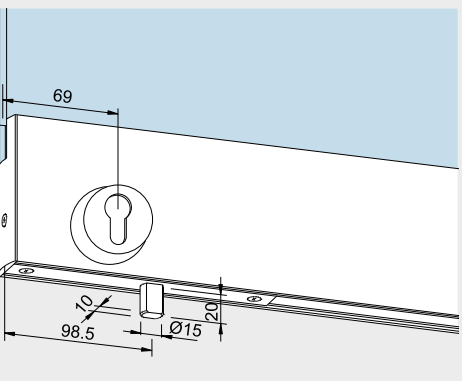
	Product description	Art. No.
	<p>Bottom rail</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.181 Stainless steel 5.407</p>	<p>*04.035/04.037</p>
	<p>...with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.516 Stainless steel 5.857</p>	<p>*04.055/04.057</p>
	<p>Top rail</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.111 Stainless steel 5.374</p>	<p>*04.036/04.038</p>
	<p>...with top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.446 Stainless steel 5.824</p>	<p>*04.056/04.058</p>

* Left / right hand (illustration shows right hand) are determined by view from hanging side.

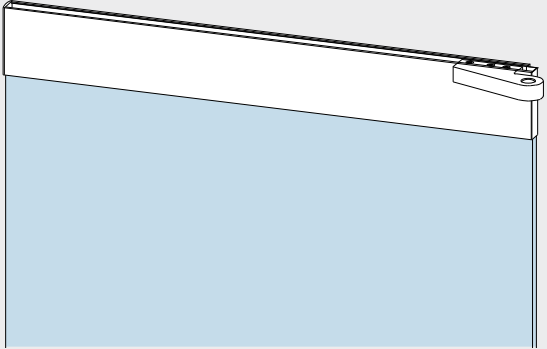
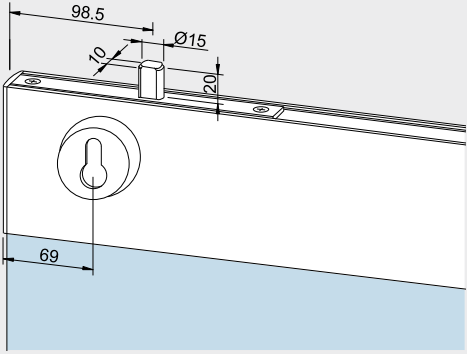
Door rails for double offset hung doors in rebated frames

With 24 mm rebate depth

Complete, for 10 mm glass thickness, strap 40 mm, with 15 mm free glass edge of hanging stile, pivot point to glass surface 50 mm

	Product description	Art. No.
	<p>Bottom rail</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.219 Stainless steel 5.482</p>	<p>*04.039/04.041</p>
	<p>...with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.554 Stainless steel 5.932</p>	<p>*04.059/04.061</p>

* Left / right hand (illustration shows right hand) are determined by view from hanging side.

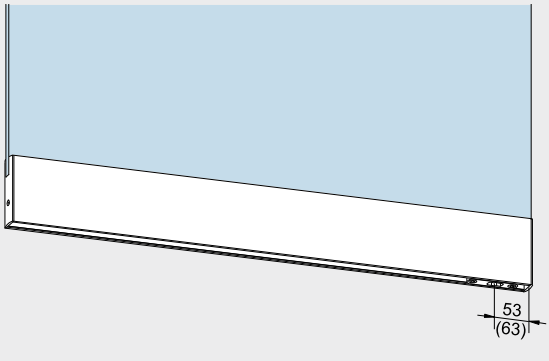
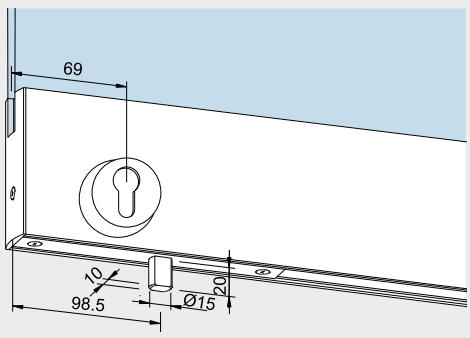
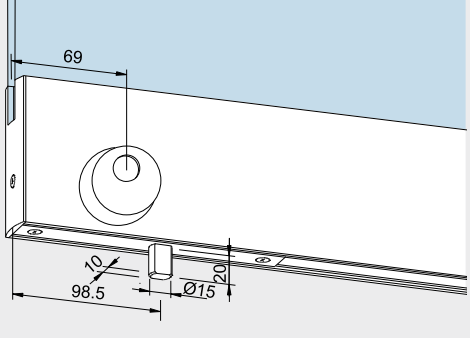
	Product description	Art. No.
	<p>Top rail</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.149 Stainless steel 5.449</p>	<p>*04.040/04.042</p>
	<p>...with top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.484 Stainless steel 5.899</p>	<p>*04.060/04.062</p>

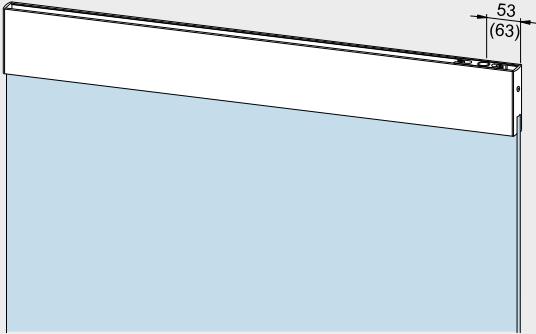
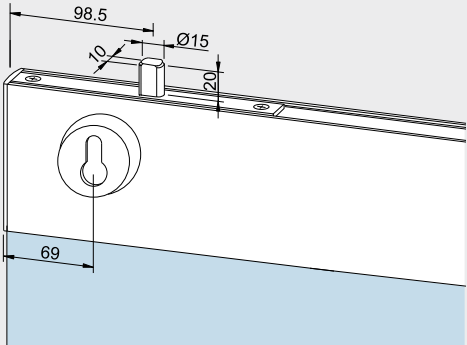
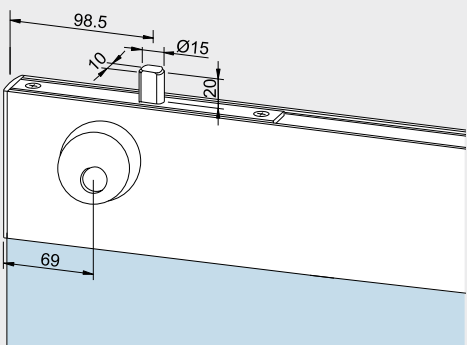
* Left / right hand (illustration shows right hand) are determined by view from hanging side.

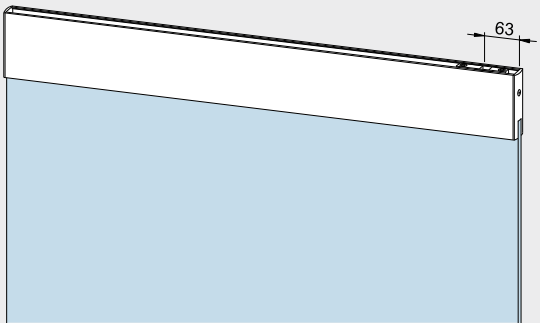
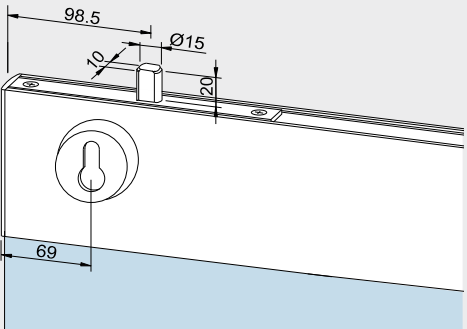
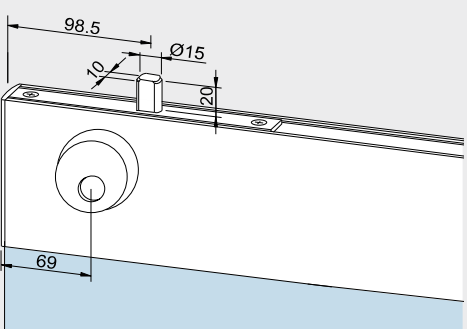
Door rails for double-action doors

Pivot point 55/65 mm

Complete, for 10 mm glass thickness

	Product description	Art. No.
	<p>Bottom rail with stainless steel insert to suit floor spring spindle or round pivot 14 mm Ø</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.029 Stainless steel 4.833</p>	<p>04.001</p>
	<p>...with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.364 Stainless steel 5.283</p>	<p>04.011</p>
	<p>...with floor locking lock, prepared for round cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.364 Stainless steel 5.283</p>	<p>04.063</p>

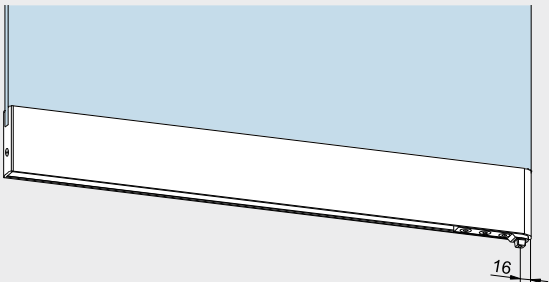
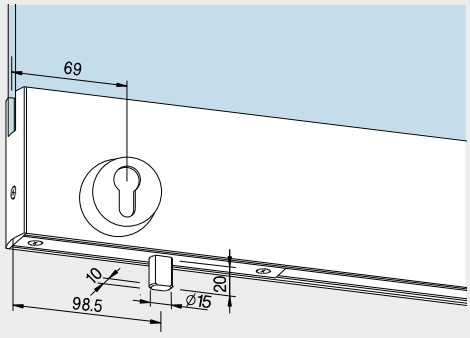
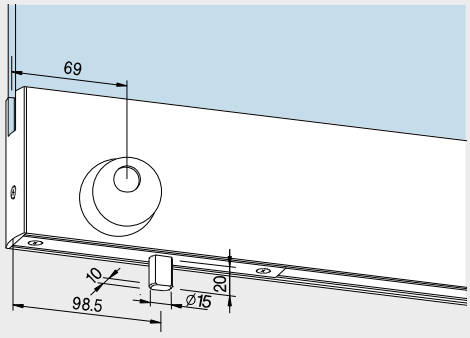
	Product description	Art. No.
	<p>Top rail with insert to take 15 mm Ø pivot pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 3.877 Stainless steel 4.681</p>	<p>04.002</p>
	<p>...and top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.212 Stainless steel 5.131</p>	<p>04.012</p>
	<p>...with top locking lock prepared for round cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.212 Stainless steel 5.131</p>	<p>04.063</p>

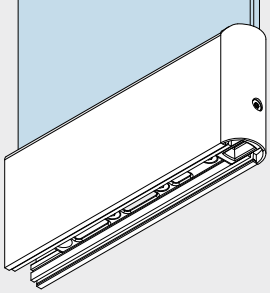
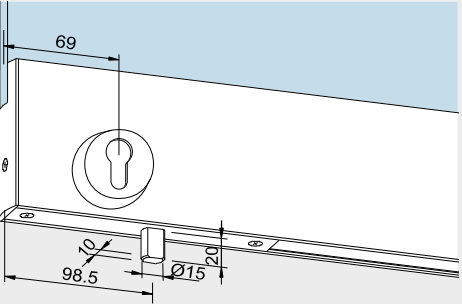
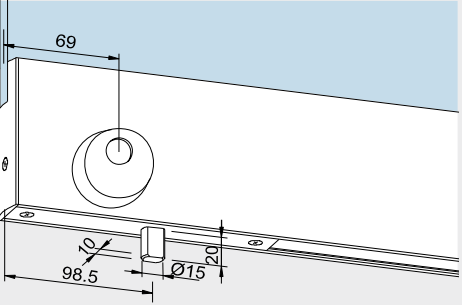
	Product description	Glass thickness	Art. No.
	<p>Top rail with insert for RTS transom closer</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.043 Stainless steel 4.847</p>		04.006
	<p>...and top locking lock, prepared for Euro-profile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.378 Stainless steel 5.297</p>		04.016
	<p>...with top locking lock prepared for round cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 5.145 Stainless steel 6.207</p>		04.067

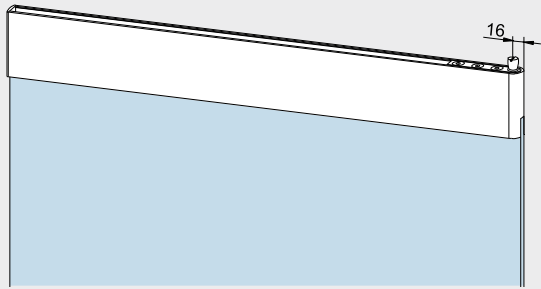
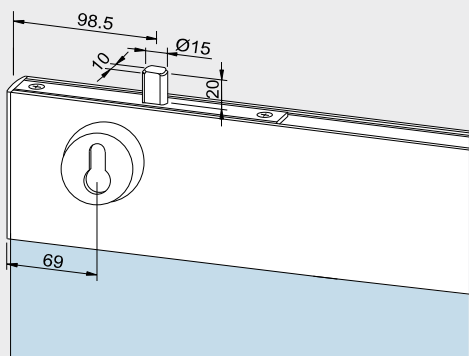
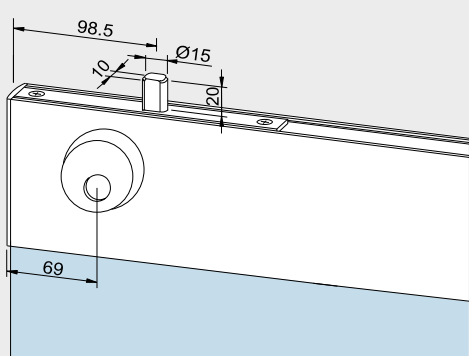
Door rails for double-action doors

Pivot point 18 mm

Complete, for 10 mm glass thickness

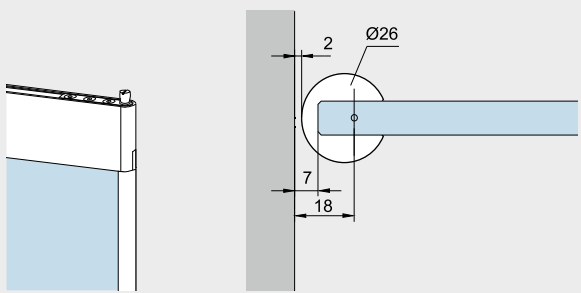
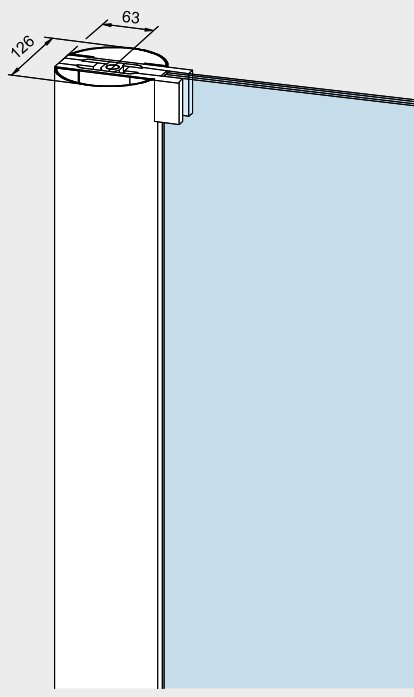
	Product description	Art. No.
	<p>Bottom rail with floor spring spindle insert</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.126 Stainless steel 4.824</p>	<p>04.003</p>
	<p>...with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.461 Stainless steel 5.274</p>	<p>04.013</p>
	<p>...with floor locking lock prepared for round cylinder, single throw (not illus- trated) with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 5.228 Stainless steel 6.280</p>	<p>04.065</p>

	Product description	Art. No.				
	<p>...prepared for floor bearing</p> <p>76.5 mm:</p> <p>Weight in kg/m:</p> <table border="0"> <tr> <td>Aluminum</td> <td>3.898</td> </tr> <tr> <td>Stainless steel</td> <td>4.606</td> </tr> </table>	Aluminum	3.898	Stainless steel	4.606	<p>04.007</p>
Aluminum	3.898					
Stainless steel	4.606					
	<p>Bottom rail</p> <p>with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin, prepared for floor bearing</p> <p>76.5 mm:</p> <p>Weight in kg/m:</p> <table border="0"> <tr> <td>Aluminum</td> <td>4.243</td> </tr> <tr> <td>Stainless steel</td> <td>5.056</td> </tr> </table>	Aluminum	4.243	Stainless steel	5.056	<p>04.017</p>
Aluminum	4.243					
Stainless steel	5.056					
	<p>...with floor locking lock</p> <p>prepared for round cylinder, single throw with corrosion resistant bolt and hardened safety roll pin, prepared for floor bearing</p> <p>76.5 mm:</p> <p>Weight in kg/m:</p> <table border="0"> <tr> <td>Aluminum</td> <td>4.243</td> </tr> <tr> <td>Stainless steel</td> <td>5.056</td> </tr> </table>	Aluminum	4.243	Stainless steel	5.056	<p>04.068</p>
Aluminum	4.243					
Stainless steel	5.056					

	Product description	Art. No.
	<p>Top rail with 15 mm Ø pivot pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 3.908 Stainless steel 4.606</p>	<p>04.004</p>
	<p>...and top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.243 Stainless steel 5.056</p>	<p>04.014</p>
	<p>...with top locking lock prepared for round cylinder, single throw with corrosion resistant bolt and hardened safety roll pin</p> <p>76.5 mm:</p> <p>Weight in kg/m: Aluminum 4.243 Stainless steel 5.056</p>	<p>04.066</p>

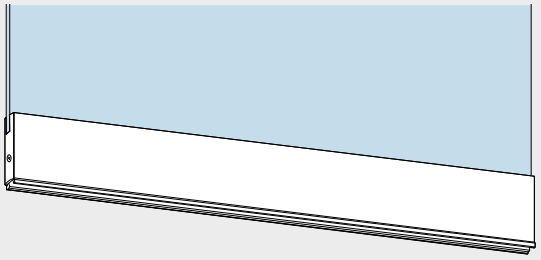
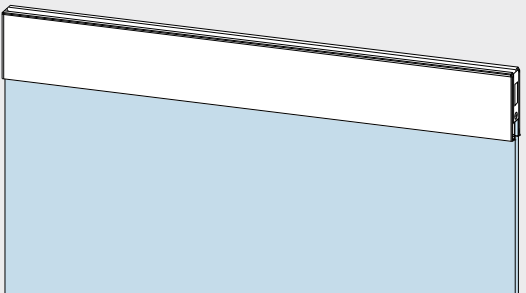
Radiused edging strip

Acryl, transparent, to clamp onto free glass edge. For optimal pinch protection. For application with door rails with 18 mm pivot point.

	Product description	Glass thickness	Art. No.
	<p>Radiused edging strip Please indicate door height and type of fitting with order.</p> <p>up to 4,500 mm length fixed length: 2,250 mm</p> <p>Notice: When radiused edging strip is used the following glass measurement is valid = door rail width – 5 mm. TSG only.</p>	<p>10 mm 10 mm</p>	<p>01.231 01.230</p>
	<p>Aluminum round profile for pinch free doors with 65 mm pivot point, consisting of 2 halves, prepared for UNIVERSAL fittings or door rails (76.5 mm).</p> <p>Please indicate:</p> <ul style="list-style-type: none"> • Panel height (max. 2,500 mm, higher dimension on request) • Required preparation of the profile for top and bottom fittings <p>Aluminum round profile, as above, stock length 6,000 mm (unprepared)</p> <p>Aluminum round profile, as above, stock length 3,000 mm (unprepared)</p> <p>Aluminum round profile, as above, stock length 2,800 mm (unprepared)</p> <p>Weight in kg/m: Aluminum 4.744</p>		<p>03.380</p> <p>03.381</p> <p>03.382</p> <p>03.383</p>

Rails for side panel

complete, for 10 mm glass thickness

	Product description	Art. No.
	<p>Bottom rail for side panel, up to approx. 6,000 mm long with rail filler insert 7 mm</p> <p>100 mm: Weight in kg/m: Aluminum 5.604 Stainless steel 6.494</p> <p>76.5 mm: Weight in kg/m: Aluminum 4.504 Stainless steel 5.273</p>	<p>04.201</p>
	<p>Top rail for side panel, up to approx. 6,000 mm long with rail filler insert 3 mm</p> <p>100 mm: Weight in kg/m: Aluminum 5.441 Stainless steel 6.331</p> <p>76.5 mm: Weight in kg/m: Aluminum 4.341 Stainless steel 5.110</p>	<p>04.202</p>

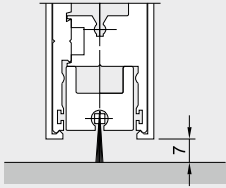
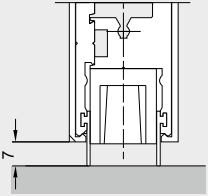
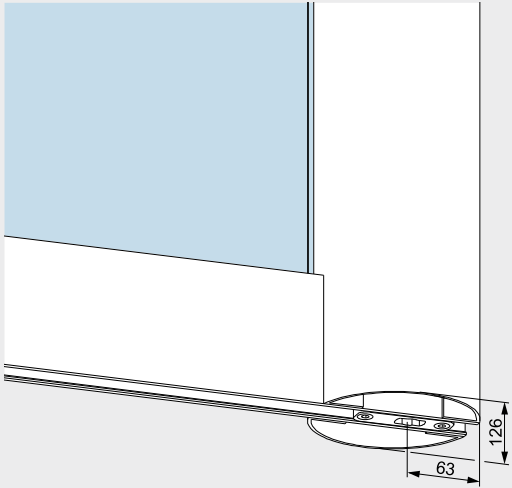
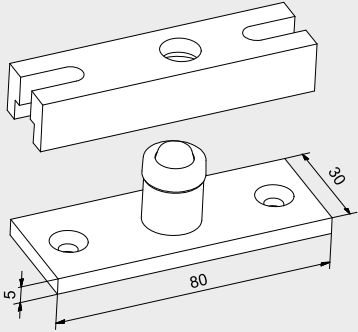
Top centre frame portion

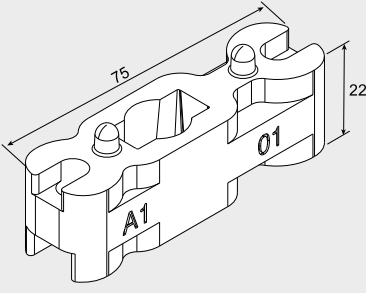
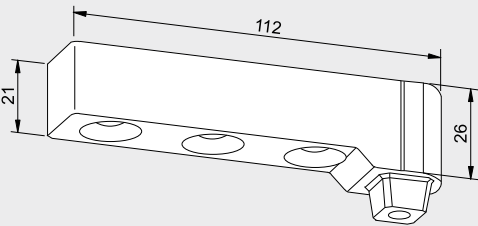
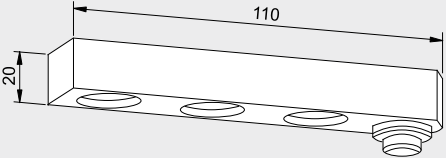
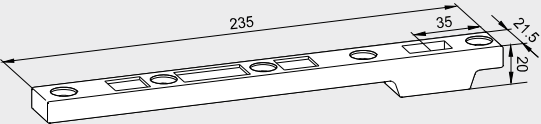
with patch fittings see chapter EA

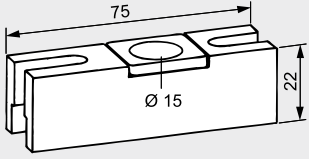
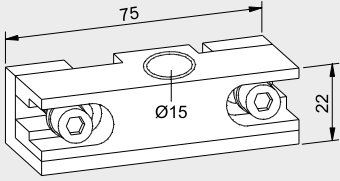
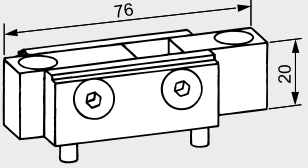
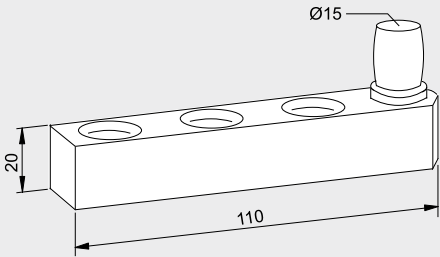
	Product description	Art. No.
	<p>Frame top centre with fixing block</p> <p>Weight in kg/m: Aluminum 0.471</p>	<p>02.150</p>
	<p>Frame top centre with angle bracket</p> <p>Weight in kg/m: Aluminum 0.453</p>	<p>02.151</p>
	<p>Frame top centre with special wedge screw fixings</p> <p>Weight in kg/m: Aluminum 0.390</p> <p>Drill jig:</p>	<p>*02.152/02.153</p> <p>8.02.081.001.50</p>
	<p>Frame top centre AT 212 GSR with fixing plate</p> <p>Weight in kg/m: Stainless steel 0.215</p>	<p>*02.340/02.341</p>

* Left / right hand (illustration shows right hand) are determined by view from hanging side.

Special accessories and special inserts for door rails

	Product description	Art. No.
	<p>Aluminum profile with brush seal to prevent draughts and energy loss (not in the area of inserts, locks, etc.), connected with door rail at manufacturer</p> <p>Weight in kg/m: 0.753</p>	<p>04.600</p>
	<p>Rubber sealing for door rails (also in the area of inserts, locks, etc.)</p> <p>fixed length stock length 200 m (= 1 coil)</p> <p>Weight in kg/m: 0.099</p>	<p>04.607 04.608</p>
	<p>Aluminum round profile for pinch free doors with 65 mm pivot point, consisting of 2 halves, prepared for UNIVERSAL fittings* or door rails (76.5 mm or 100 mm). Please indicate:</p> <ul style="list-style-type: none"> • Panel height (max. 3,000 mm, higher dim. on request) • Required preparation of the profile for top and bottom fittings <p>fixed length</p> <p>Weight in kg/m: Aluminum 4.744</p> <p>stock length 6,000 mm (not prepared) stock length 3,000 mm (not prepared)</p>	<p>03.380</p> <p>03.381 03.382</p>
	<p>Screw-on floor bearing for damp environment, without floor recess, with inserts for door rails, max. 80 kg</p> <p>Weight in kg/m: 0.193</p>	<p>01.136</p>

	Product description	Art. No.
	<p>Bottom insert for floor spring spindle profile or round pivot 14 mm Ø, (floor spring dormakaba BTS or floor bearing Art. No. 01.106 and 01.107), stainless steel, 55/65 mm pivot point, max. door weight 80 kg</p> <p>Weight in kg/m: 0.243</p>	<p>04.604</p>
	<p>Bottom strap, steel, zinc plated, with spindle insert to suit floor springs, 18 mm pivot point, max. door weight 80 kg</p> <p>Weight in kg/m: 0.349</p>	<p>804.167.001.55</p>
	<p>Bottom strap, aluminum, to suit floor bearings 01.106 and 01.107, 18 mm pivot point, max. door weight 80 kg</p> <p>Weight in kg/m: 0.129</p>	<p>804.060.002.50</p>
	<p>Bottom strap in forged steel special edition, mounted in door rails, to suit floor spring spindles. (Also suitable for floor bearing 04.602, 04.603. Not suitable for floor bearing with round pivot.) For centre hung doors</p> <ul style="list-style-type: none"> • normal frequented doors, max. door weight 150 kg, max. door width 1,400 mm • high frequented doors, max. door weight 120 kg, max. door width 1,200 mm <p>Pivot point either 55 or 65 mm (please specify with order).</p> <p>Weight in kg/m: 0.385</p>	<p>04.605</p>

	Product description	Art. No.
	<p>Top insert 55/65 mm pivot point, Aluminum</p> <p>Weight in kg/m: 0.091</p>	<p>04.610</p>
	<p>Top insert, two part, Aluminum, special, 55/65 mm pivot point not in standard door rail</p> <p>Weight in kg/m: 0.088</p>	<p>04.606</p>
	<p>Top insert for RTS transom closer, zinc plated steel, 65 mm pivot point</p> <p>Weight in kg/m: 0.240</p>	<p>04.611</p>
	<p>Top strap Aluminum, 18 mm pivot point</p> <p>Weight in kg/m: 0.131</p>	<p>804.060.001.50</p>