



Manual Single- and Double- Action Door Systems

Technical brochure 05/2018

STUDIO
OFFICE
BEYOND
TENSOR
VISUR
RP

dormakaba 

Content

Single-Action Door Systems



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Double-Action Door Systems



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Fittings for single- and double-action doors offering unlimited possibilities for you to choose

Simple glass preparation

With its expertise in glass technology, dormakaba has designed the fittings so that the preparation of the glass is limited to the drilling of simple and quick holes in the glass. Sophisticated design features ensure optimal clamping.

Reliable operating features

High-quality materials and a robust design offer the guarantee of outstanding operating features and high reliability.

Limited suitability for use in swimming pools, saunas and brine baths

Because of the possible presence of chemicals (e.g. chlorine) in the air at swimming pools, saunas and brine baths, the fittings are not suitable for use in these areas.

OFFICE locks comply to the current DIN EN 12209

(designed for use in public buildings). Moreover these locks were tested successfully by a neutral testing institute with 500,000 latch and 100,000 locking bolt operating cycles.

STUDIO locks according to DIN 12209 tested

Type-test with 200,000 latch and 200,000 locking bolt operating cycles.

Features	STUDIO Rondo	STUDIO Classic	STUDIO Gala 2.0	STUDIO Arcos	STUDIO Medio
max. door weight, kg (depends on hinge)	45	45	45	45	*
max. door panel width, mm	1000 ¹⁾	1000 ¹⁾	1000 ¹⁾	1000 ¹⁾	*
max. door panel height, mm	Standard frames ¹⁾	Standard frames ¹⁾	Standard frames ¹⁾	Standard frames ¹⁾	Standard frames ¹⁾
Glass type	TSG	TSG	TSG	TSG	TSG
Glass thicknesses in mm	8/10	8/10	8/10	8/10	8/10
Frame depth, standard, mm	24, 40	24	24	24, 40	*
Lock types					
Low-noise "Whisper" functionality (Whisper latch = latch head partially plastic-sheated / damped latch motions)	●	●	●	●	
Adjustable lever handle follower +/- 1° for OFFICE Adjustable lever handle follower +1,5/- 1° for STUDIO** to avoid "hanging follower"	●	●	●	●	
Non-locking latch	●	●	●	●	●
Non-locking latch, with levers forward (adjustable follower not available for this model)	●	●	●	●	
Prepared for Europrofile cylinder	●	●	●	●	
External compliance approval to DIN EN 12209	●	●	●	●	
Public building type DIN 18 251, Class 3					●
Prepared for KABA	●	●		●	
Warded lever lock with nightlatch function	●	●	●	●	
Warded lever lock without nightlatch function					
Bathroom lock function	●	●		●	
Strike box for double doors	●	●		●	●
Lock designs					
With follower for door levers without roses	●	●	●	●	●
For door levers with roses	●	●		●	
Hinge designs					
For frame pivots	●	●	●	●	
With frame pivot for aluminum frame	●				
With frame pivot for timber frame	●	●	●	●	
With frame pivot for steel frame	●	●	●	●	
For object doors					
For fixing to side panels	●				
Single- / double-action door					
Door closer / self-closing	SA	SA	SA	SA	SA
Page					
	8	24	36	44	56

1) For other possible glass panel widths, glass heights, glass thicknesses and rebate depths, please consult our Application Engineering department.
The glass dimensions may differ due to the following factors: type of installation, glass tolerances, general use.

● Standard ○ Optional

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STUDIO Rondo

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179	Safety-related information



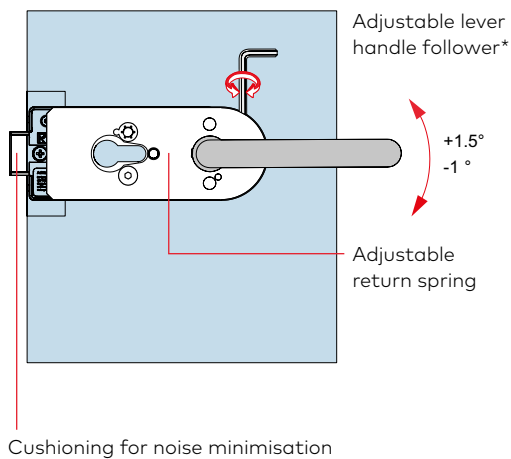
STUDIO Rondo

Technical features

- Lock insert with low-noise "whisper" functionality as standard. The whisper latch (study metal latch – partially plastics-sheathed and damped latch motions for noise minimisation) satisfy particularly high expectations. Adjustable lever handle follower $+1,5^\circ / -1^\circ$, patent pending, for avoidance of "lever handle sag" (droop). Further on a special spring supported clamp follower holds the lever handle perfectly secure.
- The fully closed lock case provides optimum protection for the internal components which themselves are of rugged unit construction.
- Locks comply to the current DIN EN 12209.
- Moreover these locks were tested successfully by a neutral testing institute with 200,000 latch and 200,000 locking bolt operating cycles.

Lock features	STUDIO Rondo	STUDIO Classic	STUDIO Gala 2.0	STUDIO Arcos
Adjustable lever handle follower from + 1.5° to - 1° for avoidance of „lever handle sag“ droop*	●	●	●	●
Low-noise “whisper” functionality	●	●	●	●
Adjustable return spring	●	●	●	●
Spring-assisted clamp follower	●	●	●	●
Compliance approval to EN 12209	●	●	●	●
Lock types				
Non-locking latch	●	●	●	●
Non-locking latch, with levers forward	●	●	●	●
Prepared for Europrofile cylinder	●	●	●	●
Prepared for KABA cylinder	●	●	●	●
Warded lever lock with nightlatch function	●	●	●	●
Bathroom lock function	●	●	●	●

New standard lock functions



* For all lock designs with the exception of „non-locking latches – handles to the front of the lock case“.

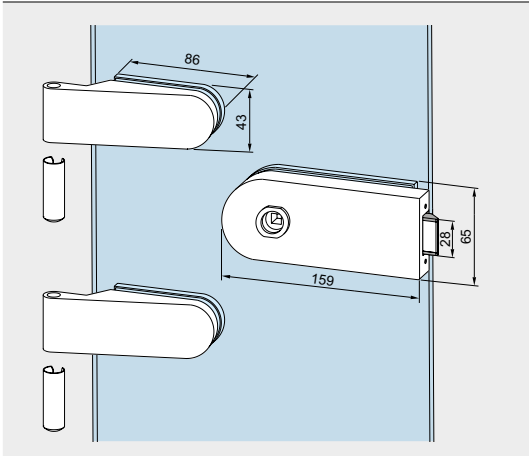
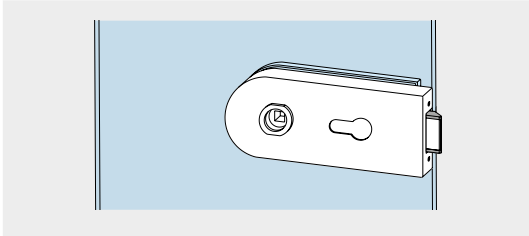
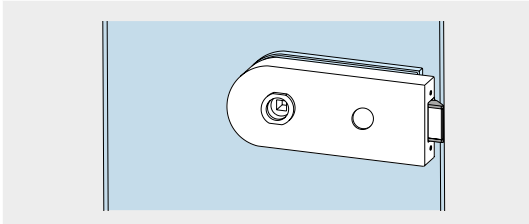
Complete doorsets for 8 and 10 mm glass thickness, locks with follower

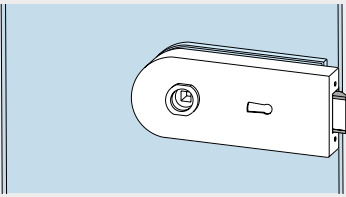
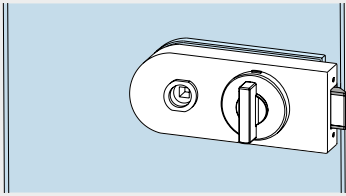
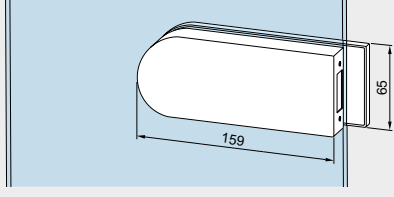
Complying to DIN EN 12209 (see page 6).

Door weight max. 45 kg, door width max. 1,000 mm.
 Rebate depth 24 mm (for 8 mm glass thickness or 10 mm glass thickness when using an Austrian standard "Ö-Norm" latch), 26 mm (for 10 mm glass thickness).

Prepared for all levers without roses with 8 mm square spindles, spindle length for 44 mm lock thickness and 18 mm Ø follower, max. 8 mm long.

Hinges also prepared for rebate depth 28 – 40 mm available, see page 20 and following.

	Product description	Glass thickness	Art. No.
	Lock with 2 hinges non-locking lock, hinges with sleeves, extended colour options Weight in kg: Aluminum 1.580 Brass 2.485	8 mm 10 mm	10.100 10.130
	Lock with 2 hinges non-locking lock for lever forward, hinges with sleeves, extended colour options Weight in kg: Aluminum 1.625 Brass 2.505	8 mm 10 mm	10.101 10.131
	Lock with 2 hinges lock prepared for Europrofile cylinder, nightlatch function, hinges with sleeves, extended colour options Weight in kg: Aluminum 1.565 Brass 2.465	8 mm 10 mm	10.102 10.132
	Lock with 2 hinges lock prepared for KABA, nightlatch function, hinges with sleeves, extended colour options Weight in kg: Aluminum 1.563	8 mm 10 mm	10.108 10.129

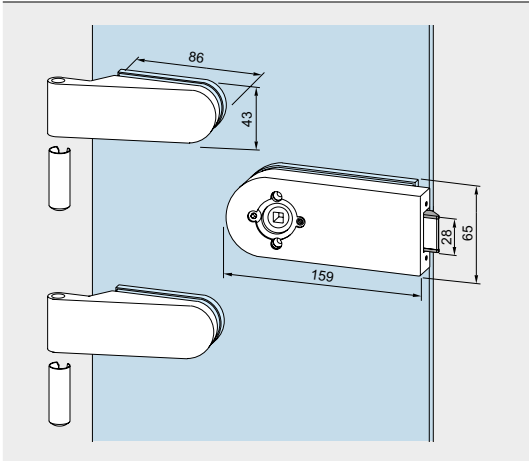
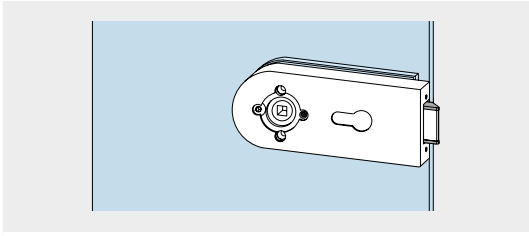
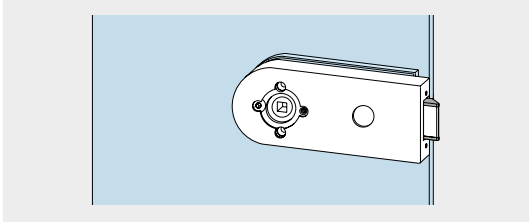
	Product description	Glass thickness	Art. No.
	<p>Lock with 2 hinges lever lock, nightlatch function, 2 keys supplied, hinges with sleeves, extended colour options</p> <p>Weight in kg: Aluminum 1.630 Brass 2.530</p>	8 mm 10 mm	10.103 10.133
	<p>Lock with 2 hinges WC-toilet door, hinges with sleeves, extended colour options</p> <p>Weight in kg: Aluminum 1.745 Brass 2.755</p>	8 mm 10 mm	10.106 10.134
	<p>Strike box with 2 hinges for pairs of doors, hinges with sleeves, extended colour options</p> <p>Weight in kg: Aluminum 1.380 Brass 2.295</p>	8 mm 10 mm	10.120 10.125

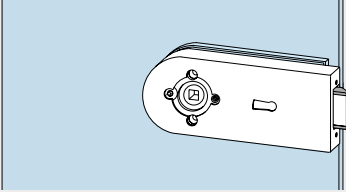
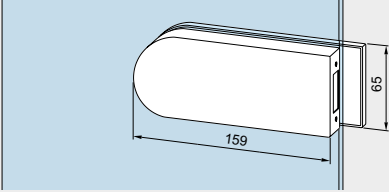
Complete doorsets for 8 and 10 mm glass thickness, locks for levers with roses

Complying to DIN EN 12209 (see page 6).

Hinges also prepared for rebate depth 28 – 40 mm available, see page 20 and following.

Door weight max. 45 kg, door width max. 1,000 mm.
 Rebate depth 24 mm (for 8 mm glass thickness or 10 mm glass thickness when using an Austrian standard "Ö-Norm" latch), 26 mm (for 10 mm glass thickness).

	Product description	Glass thickness	Art. No.
	Lock with 2 hinges non-locking lock, hinges with sleeves Weight in kg: Aluminum 1.580	8 mm 10 mm	10.110 10.135
	Lock with 2 hinges non-locking lock for lever forward, hinges with sleeves Weight in kg: Aluminum 1.585	8 mm 10 mm	10.111 10.136
	Lock with 2 hinges lock prepared for Europrofile cylinder, nightlatch function, hinges with sleeves Weight in kg: Aluminum 1.565	8 mm 10 mm	10.112 10.137
	Lock with 2 hinges lock prepared for KABA, nightlatch function, hinges with sleeves Weight in kg: Aluminum 1.563	8 mm 10 mm	10.118 10.139

	Product description	Glass thickness	Art. No.
	<p>Lock with 2 hinges lever lock, nightlatch function, 2 keys supplied, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.575</p>	8 mm 10 mm	10.113 10.138
	<p>Strike box with 2 hinges for pairs of doors, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.380</p>	8 mm 10 mm	10.120 10.125

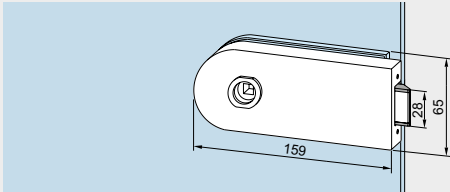
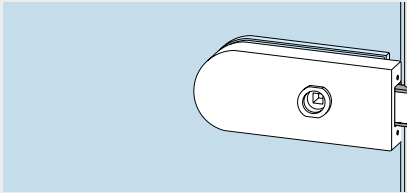
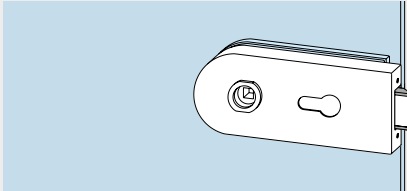
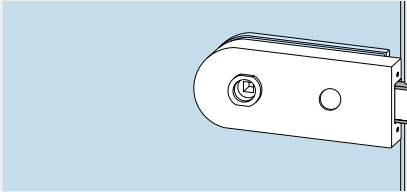
Locks with follower

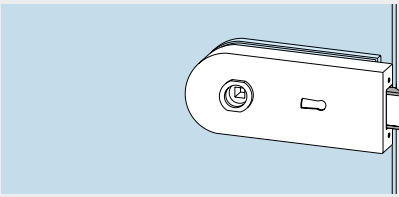
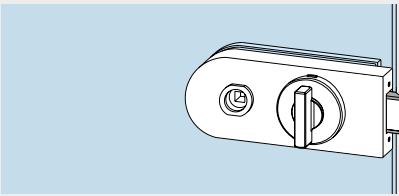
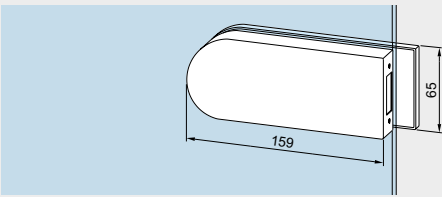
Complying to DIN EN 12209 (see page 6).

Locks for 8 mm glass thickness (or 10 mm glass thickness when using an Austrian standard "Ö-Norm" latch), / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.

Prepared for all levers without roses with 8 mm square spindles, spindle length for 44 mm lock thickness and 18 mm Ø follower, max. 8 mm long.

Hinges also prepared for rebate depth 28 – 40 mm available, see page 20 and following.

	Product description	Art. No.
	<p>Lock non-locking, extended colour options</p> <p>Weight in kg: Aluminum 0.840 Brass 1.055</p>	10.200
	<p>Lock non-locking, with follower forward, extended colour options</p> <p>Weight in kg: Aluminum 0.845 Brass 1.055</p>	10.201
	<p>Lock prepared for Europrofile cylinder, nightlatch function, extended colour options</p> <p>Weight in kg: Aluminum 0.815 Brass 1.030</p>	10.202
	<p>Lock prepared for KABA, nightlatch function, extended colour options</p> <p>Weight in kg: Aluminum 0.813</p>	10.207

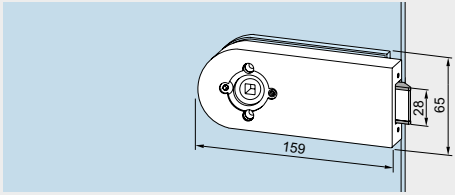
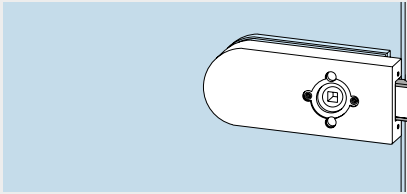
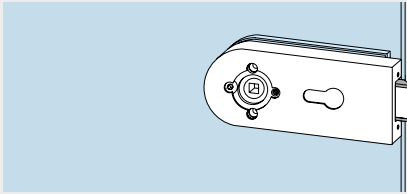
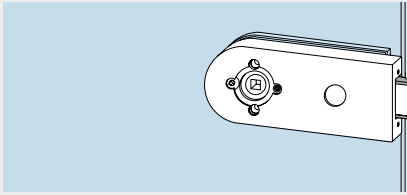
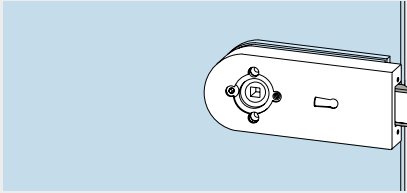
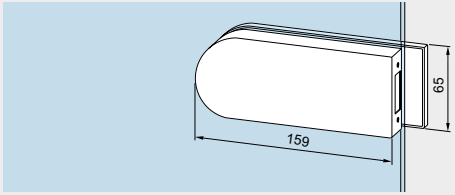
	Product description	Art. No.
	<p>Lock lever lock, nightlatch function, 2 keys supplied, extended colour options</p> <p>Weight in kg: Aluminum 0.850 Brass 1.090</p>	<p>10.203</p>
	<p>Lock WC-toilet door, extended colour options</p> <p>Weight in kg: Aluminum 1.106 Brass 1.398</p>	<p>10.206</p>
	<p>Strike box for pairs of doors, extended colour options</p> <p>Weight in kg: Aluminum 0.610 Brass 0.903</p>	<p>10.220</p>

Locks for levers with roses

Complying to DIN EN 12209 (see page 6).

Hinges also prepared for rebate depth 28 – 40 mm available, see page 20 and following.

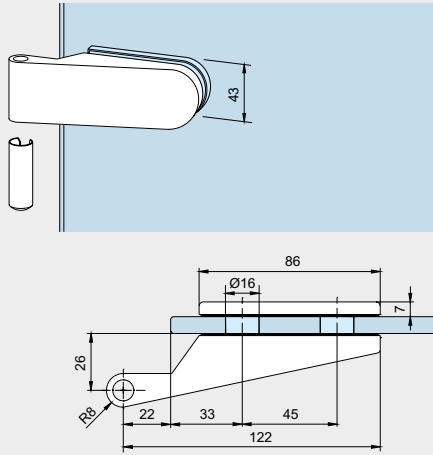
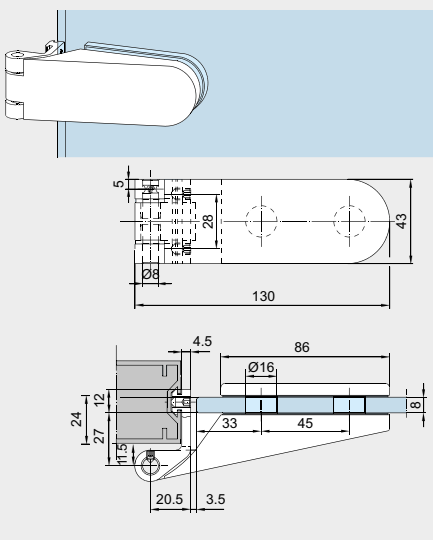
Locks for 8 mm glass thickness (or 10 mm glass thickness when using an Austrian standard "Ö-Norm" latch), / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.

	Product description	Art. No.
	<p>Lock non-locking, extended colour options</p> <p>Weight in kg: Aluminum 1.580 Brass 2.485</p>	10.210
	<p>Lock non-locking, with follower forward, extended colour options</p> <p>Weight in kg: Aluminum 1.625 Brass 2.505</p>	10.211
	<p>Lock prepared for Europrofile cylinder, nightlatch function, extended colour options</p> <p>Weight in kg: Aluminum 1.565 Brass 2.465</p>	10.212
	<p>Lock prepared for KABA, nightlatch function, extended colour options</p> <p>Weight in kg: Aluminum 0.810</p>	10.217
	<p>Lock lever lock, nightlatch function, 2 keys supplied, extended colour options</p> <p>Weight in kg: Aluminum 1.630 Brass 2.530</p>	10.213
	<p>Strike box for pairs of doors, extended colour options</p> <p>Weight in kg: Aluminum 0.610 Brass 0.903</p>	10.220

Space for your notes

Hinges for 8 mm glass thickness

Door width max. 1,000 mm

	Product description	Art. No.
	<p>Hinge with frame pivot complete with sleeve, to suit rebate depth 24 mm, extended colour options door weight max. 45 kg</p> <p>Weight in kg: Aluminum 0.319 Brass 0.688</p>	10.230
	<p>Hinge with frame pivot complete with sleeve, to suit rebate depth 28 – 30 mm, door weight max. 38 kg</p> <p>Weight in kg: Aluminum 0.336 Brass 0.806</p>	10.233 (not illustr.)
	<p>Filler piece with screws for rebate depth 31 – 39 mm, (please indicate), door weight max. 38 kg, used in combination with hinge 10.230</p> <p>Weight in kg: Aluminum 0.144</p>	10.420 (not illustr.)
	<p>Hinge with frame pivot complete with sleeve and filler piece to suit 40 mm rebate depth, door weight max. 38 kg</p> <p>Weight in kg: Aluminum 0.486</p>	10.234 (not illustr.)
	<p>Hinge with frame pivot for aluminum frames, stainless steel pin, door weight max. 35 kg</p> <p>Weight in kg: Aluminum 0.329</p>	10.231

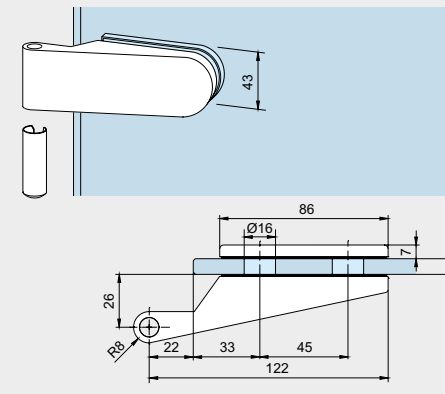
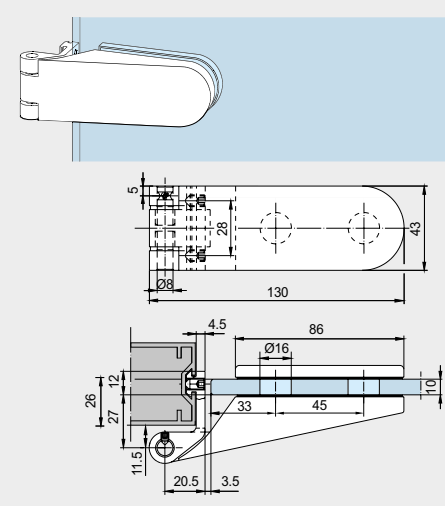
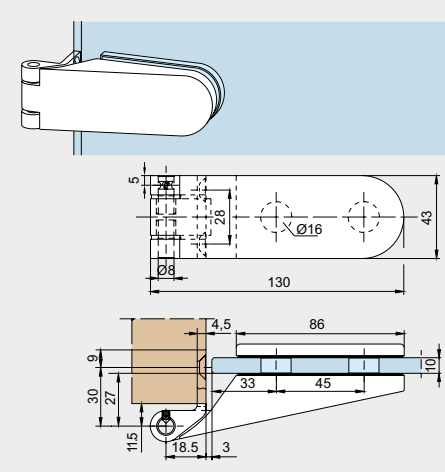
Hinges for 8 mm glass thickness

Door width max. 1,000 mm

	Product description	Art. No.
	<p>Hinge with frame pivot for wooden frames, hinge flap for mortising into frame, stainless steel pin, door weight max. 35 kg</p> <p>Weight in kg: Aluminum 0.321</p>	<p>10.232</p>
	<p>Strengthened hinge with frame pivot for wooden frames, hinge flap for mortising into frame, stainless steel pin, door weight max. 45 kg</p> <p>Weight in kg: Aluminum 0.433</p>	<p>10.235</p>
	<p>Hinge for mounting onto sidelights, stainless steel pin, door weight max. 35 kg</p> <p>Weight in kg: Aluminum 0.557</p> <p>Note: Opening angle max. 100°. You will find more information on special solutions for opening angles >100° in our DETAIL 10-255. Please also feel free to consult our Application Engineering department.</p>	<p>10.244 L 10.246 R (not illustr.)</p>

Hinges for 10 mm glass thickness

Door width max. 1,000 mm

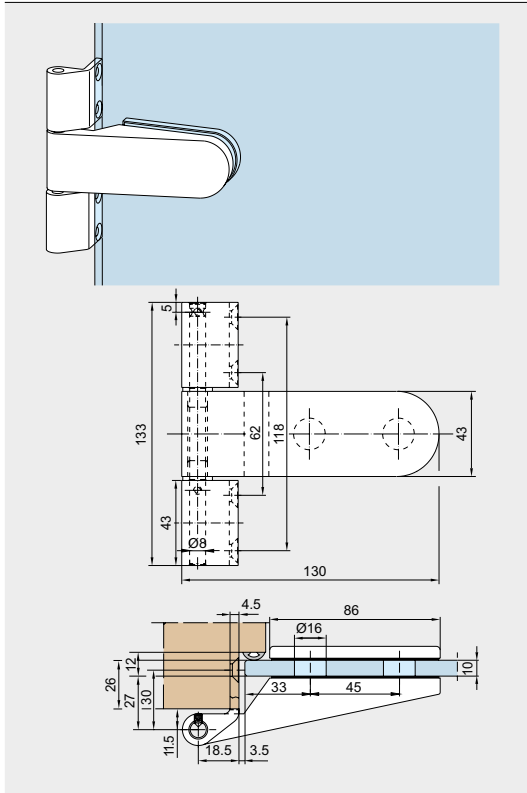
	Product description	Art. No.
	<p>Hinge with frame pivot complete with sleeve, rebate depth 26 mm, extended colour options, door weight max. 45 kg</p> <p>Weight in kg: Aluminum 0.319 Brass 0.688</p>	<p>10.236</p>
	<p>Hinge with frame pivot for aluminum frames, stainless steel pin, door weight max. 35 kg</p> <p>Weight in kg: Aluminum 0.329</p>	<p>10.237</p>
	<p>Hinge with frame pivot for wooden frames, hinge flap for mortising into frame, stainless steel pin, Panel weight max. 35 kg</p> <p>Weight in kg: Aluminum 0.321</p>	<p>10.238</p>

Hinges for 10 mm glass thickness

Door width max. 1,000 mm

Product description

Art. No.

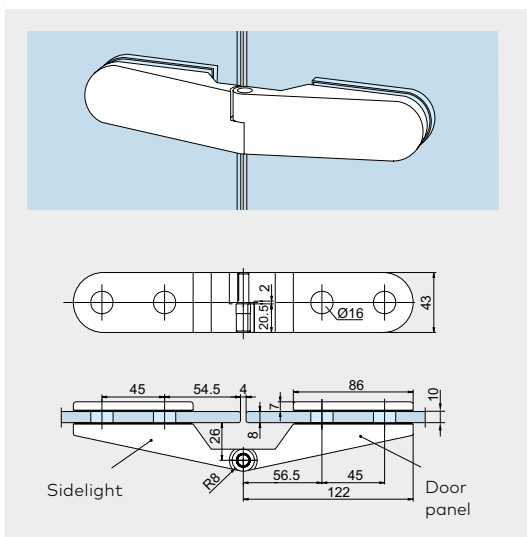


Strengthened hinge with frame pivot for wooden frames,

10.239

hinge flap for mortising into frame, stainless steel pin, door weight max. 45 kg

Weight in kg:
Aluminum 0.433



Hinge for mounting onto sidelight

10.245 L
10.247 R
(not illustr.)

stainless steel pin,
door weight max. 35 kg

Weight in kg:
Aluminum 0.557

Note: Opening angle max. 100°. You will find more information on special solutions for opening angles >100° in our DETAIL 10-255. Please also feel free to consult our Application Engineering department.

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STUDIO Classic

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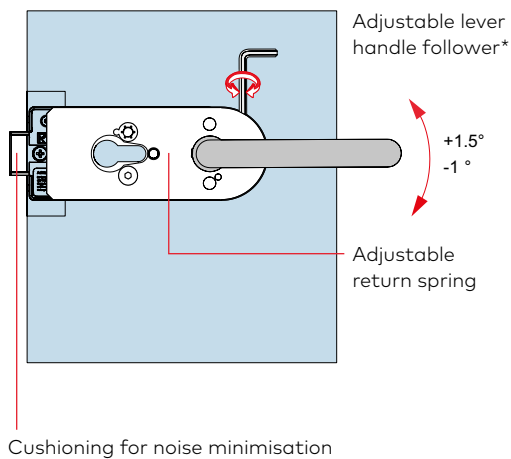
STUDIO Classic

Technical features

- Lock insert with low-noise "whisper" functionality as standard. The whisper latch (study metal latch – partially plastics-sheathed and damped latch motions for noise minimisation) satisfy particularly high expectations. Adjustable lever handle follower $+1,5^\circ / -1^\circ$, patent pending, for avoidance of "lever handle sag" (droop). Further on a special spring supported clamp follower holds the lever handle perfectly secure.
- The fully closed lock case provides optimum protection for the internal components which themselves are of rugged unit construction.
- Locks comply to the current DIN EN 12209.
- Moreover these locks were tested successfully by a neutral testing institute with 200,000 latch and 200,000 locking bolt operating cycles.

Lock features	STUDIO Rondo	STUDIO Classic	STUDIO Gala 2.0	STUDIO Arcos
Adjustable lever handle follower from + 1.5° to - 1° for avoidance of „lever handle sag“ droop*	●	●	●	●
Low-noise “whisper” functionality	●	●	●	●
Adjustable return spring	●	●	●	●
Spring-assisted clamp follower	●	●	●	●
Compliance approval to EN 12209	●	●	●	●
Lock types				
Non-locking latch	●	●	●	●
Non-locking latch, with levers forward	●	●	●	●
Prepared for Europrofile cylinder	●	●	●	●
Prepared for KABA cylinder	●	●	●	●
Warded lever lock with nightlatch function	●	●	●	●
Bathroom lock function	●	●	●	●

New standard lock functions



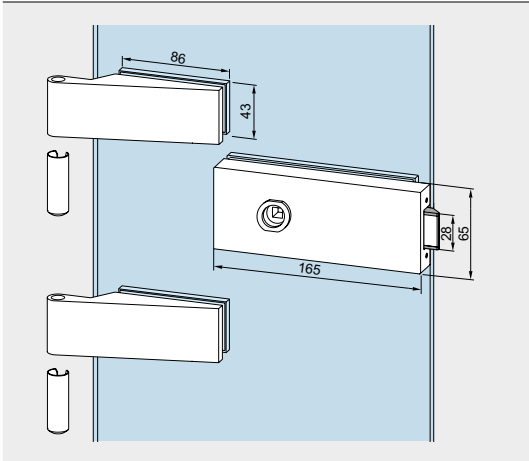
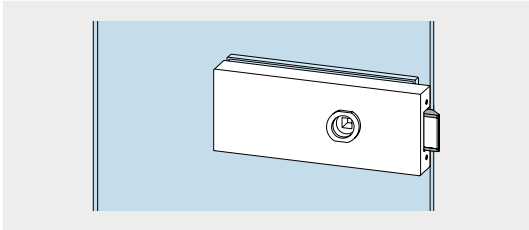
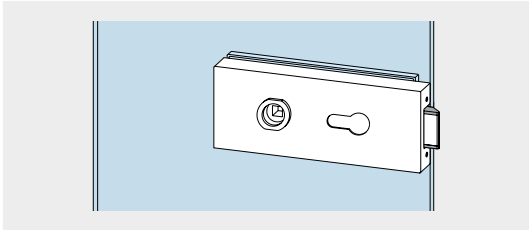
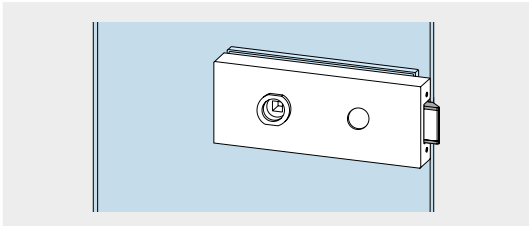
* For all lock designs with the exception of „non-locking latches – handles to the front of the lock case“.

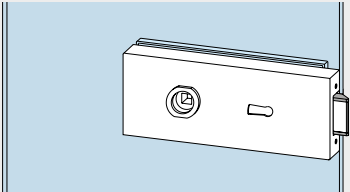
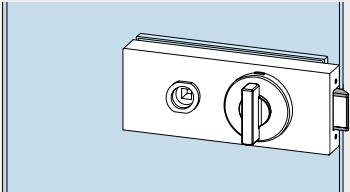
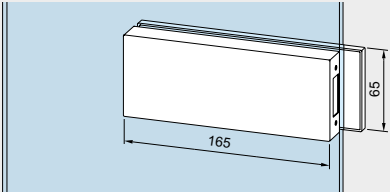
Complete doorsets for 8 and 10 mm glass thickness, locks with follower

Complying to DIN EN 12209, with regard to type test (see page 6).

Prepared for all levers without roses with 8 mm square spindles, spindle length for 44 mm lock thickness and 18 mm Ø follower, max. 8 mm long.

Door weight max. 45 kg, door width max. 1,000 mm.
 Rebate depth 24 mm (for 8 mm glass thickness or 10 mm glass thickness when using an Austrian standard "Ö-Norm" latch), 26 mm (for 10 mm glass thickness)

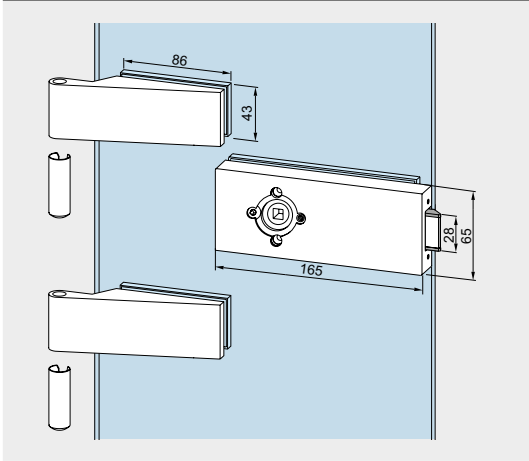
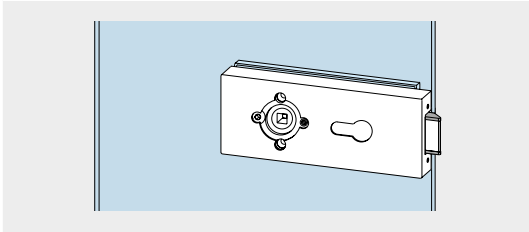
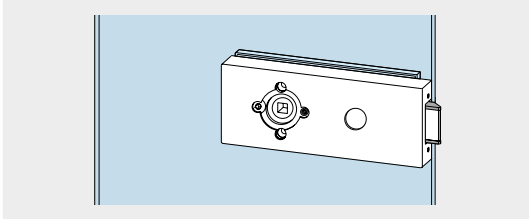
	Product description	Glass thickness	Art. No.
	Lock with 2 hinges non-locking lock, hinges with sleeves Weight in kg: Aluminum 1.580	8 mm 10 mm	10.050 10.055
		Lock with 2 hinges non-locking lock with follower forward, hinges with sleeves Weight in kg: Aluminum 1.625	8 mm 10 mm
	Lock with 2 hinges lock prepared for Europrofile cylinder, nightlatch function, hinges with sleeves Weight in kg: Aluminum 1.565	8 mm 10 mm	10.052 10.057
	Lock with 2 hinges lock prepared for KABA, nightlatch function, hinges with sleeves Weight in kg: Aluminum 1.563	8 mm 10 mm	10.049 10.060

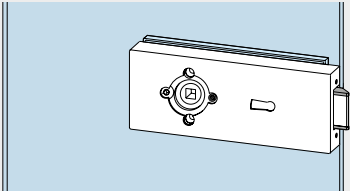
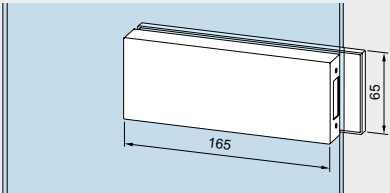
	Product description	Glass thickness	Art. No.
	<p>Lock with 2 hinges lever lock, nightlatch function, 2 keys supplied, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.630</p>	8 mm 10 mm	10.053 10.058
	<p>Lock with 2 hinges WC-toilet door, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.721</p>	8 mm 10 mm	10.054 10.059
	<p>Strike box with 2 hinges for pairs of doors, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.380</p>	8 mm 10 mm	10.034 10.039

Complete doorsets for 8 and 10 mm glass thickness, locks for levers with roses

Complying to DIN EN 12209, with regard to type test (see page 6).

Door weight max. 45 kg, door width max. 1,000 mm.
 Rebate depth 24 mm (for 8 mm glass thickness or 10 mm glass thickness when using an Austrian standard "Ö-Norm" latch), 26 mm (for 10 mm glass thickness).

	Product description	Glass thickness	Art. No.
	Lock with 2 hinges non-locking lock, hinges with sleeves Weight in kg: Aluminum 1.580	8 mm 10 mm	10.030 10.035
	Lock with 2 hinges non-locking lock for lever forward, hinges with sleeves Weight in kg: Aluminum 1.585	8 mm 10 mm	10.031 10.036
	Lock with 2 hinges lock prepared for Europrofile cylinder, nightlatch function, hinges with sleeves Weight in kg: Aluminum 1.565	8 mm 10 mm	10.032 10.037
	Lock with 2 hinges lock prepared for KABA, nightlatch function, hinges with sleeves Weight in kg: Aluminum 1.563	8 mm 10 mm	10.028 10.029

	Product description	Glass thickness	Art. No.
	<p>Lock with 2 hinges lever lock, nightlatch function, 2 keys supplied, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.575</p>	8 mm 10 mm	10.033 10.038
	<p>Strike box with 2 hinges for pairs of doors, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.380</p>	8 mm 10 mm	10.034 10.039

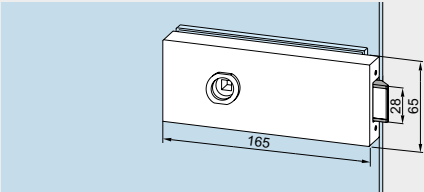
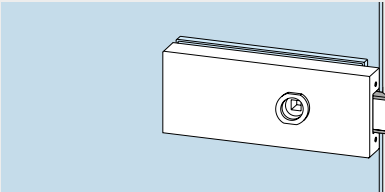
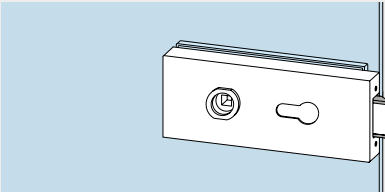
Locks with follower

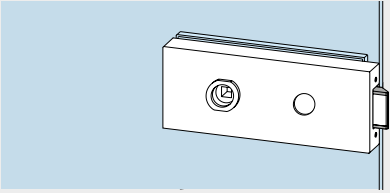
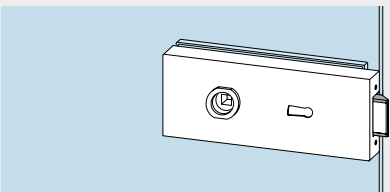
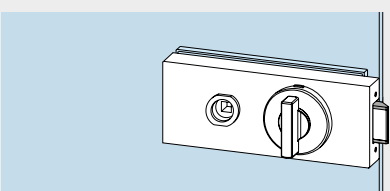
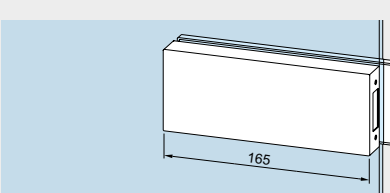
Complying to DIN EN 12209, with regard to type test (see page 6),

Locks for 8 mm glass thickness (or 10 mm glass thickness when using an Austrian standard "Ö-Norm" latch), / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.

Prepared for all levers without roses with 8 mm square spindles, spindle length for 44 mm lock thickness and 18 mm Ø follower, max. 8 mm long.

Hinges see page 35.

	Product description	Art. No.
	<p>Lock non-locking</p> <p>Weight in kg: Aluminum 0.840</p>	10.001
	<p>Lock non-locking, with follower forward</p> <p>Weight in kg: Aluminum 0.845</p>	10.002
	<p>Lock prepared for Europrofile cylinder, nightlatch function</p> <p>Weight in kg: Aluminum 0.815</p>	10.003

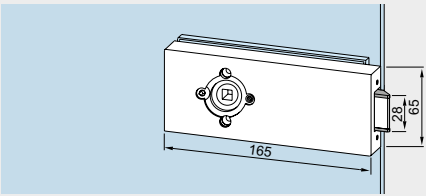
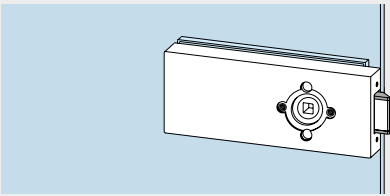
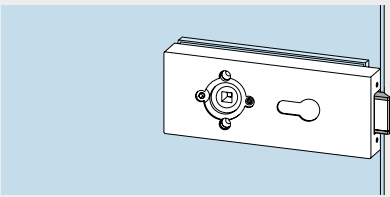
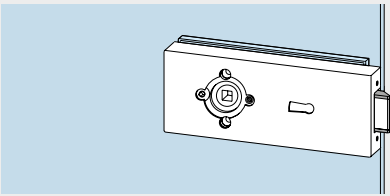
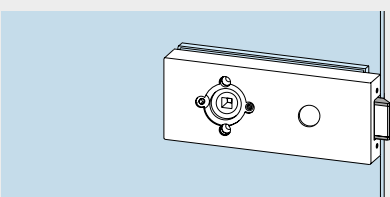
	Product description	Art. No.
	<p>Lock prepared for KABA, nightlatch function</p> <p>Weight in kg: Aluminum 0.813</p>	<p>10.007</p>
	<p>Lock lever lock, nightlatch function, 2 keys supplied</p> <p>Weight in kg: Aluminum 0.850</p>	<p>10.004</p>
	<p>Lock WC-toilet door</p> <p>Weight in kg: Aluminum 1.111</p>	<p>10.006</p>
	<p>Strike box for pairs of doors</p> <p>Weight in kg: Aluminum 0.610</p>	<p>10.005</p>

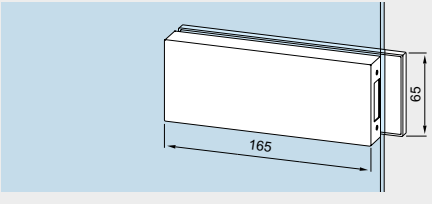
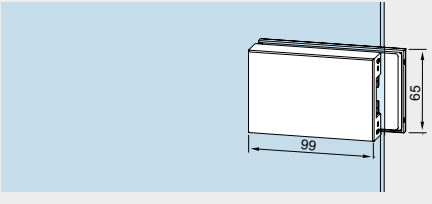
Locks for levers with roses

Complying to DIN EN 12209, with regard to type test (see page 6).

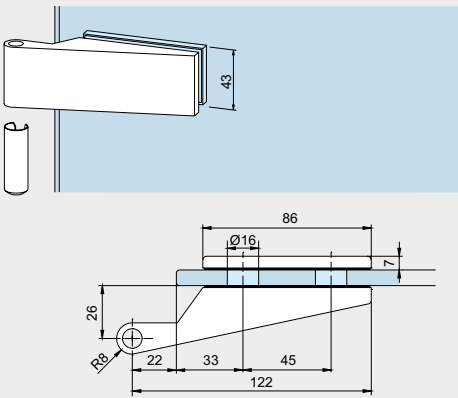
Hinges see page 35.

Locks for 8 mm glass thickness (or 10 mm glass thickness when using an Austrian standard "Ö-Norm" latch), / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.

	Product description	Art. No.
	<p>Lock non-locking,</p> <p>Weight in kg: Aluminum 1.580</p>	10.040
	<p>Lock non-locking, with follower forward</p> <p>Weight in kg: Aluminum 0.845</p>	10.041
	<p>Lock prepared for Europrofile cylinder, nightlatch function</p> <p>Weight in kg: Aluminum 0.815</p>	10.042
	<p>Lock lever lock, nightlatch function, 2 keys supplied</p> <p>Weight in kg: Aluminum 0.850</p>	10.043
	<p>Lock prepared for KABA, nightlatch function</p> <p>Weight in kg: Aluminum 0.813</p>	10.044

	Product description	Art. No.
	Strike box for pairs of doors Weight in kg: Aluminum 0.610	10.005
	Strike box short for pairs of doors Weight in kg: Aluminum 0.610	10.512

Door hinges for 8 mm and 10 mm glass thickness

	Product description	Glass thickness	Art. No.
	Hinge with frame pivot complete with sleeve 24 mm rebate depth	8 mm	10.021
	26 mm rebate depth	10 mm	10.020
	Weight in kg: Aluminum 0.319		

Inhalt

STUDIO Gala 2.0

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40	Complete doorsets
41	Components (Locks, hinges)
62	Type illustrations
104	Accessories
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179	Safety-related information



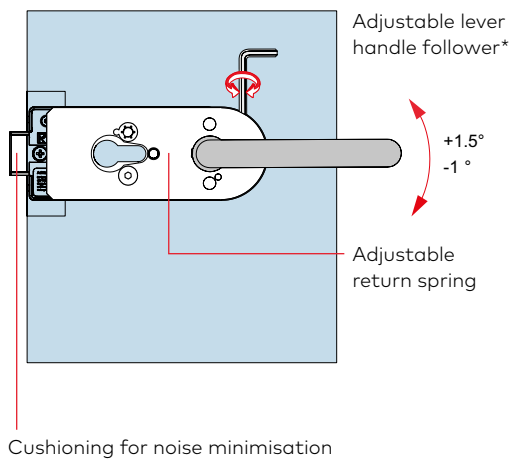
STUDIO Gala 2.0

Technical features

- Lock insert with low-noise "whisper" functionality as standard. The whisper latch (study metal latch – partially plastics-sheathed and damped latch motions for noise minimisation) satisfy particularly high expectations. Adjustable lever handle follower $+1,5^\circ / -1^\circ$, patent pending, for avoidance of "lever handle sag" (droop). Further on a special spring supported clamp follower holds the lever handle perfectly secure.
- The fully closed lock case provides optimum protection for the internal components which themselves are of rugged unit construction.
- Locks comply to the current DIN EN 12209.
- Moreover these locks were tested successfully by a neutral testing institute with 200,000 latch and 200,000 locking bolt operating cycles.

Lock features	STUDIO Rondo	STUDIO Classic	STUDIO Gala 2.0	STUDIO Arcos
Adjustable lever handle follower from + 1.5° to - 1° for avoidance of „lever handle sag“ droop*	●	●	●	●
Low-noise “whisper” functionality	●	●	●	●
Adjustable return spring	●	●	●	●
Spring-assisted clamp follower	●	●	●	●
Compliance approval to EN 12209	●	●	●	●
Lock types				
Non-locking latch	●	●	●	●
Non-locking latch, with levers forward	●	●	●	●
Prepared for Europrofile cylinder	●	●	●	●
Prepared for KABA cylinder	●	●	●	●
Warded lever lock with nightlatch function	●	●	●	●
Bathroom lock function	●	●	●	●

New standard lock functions



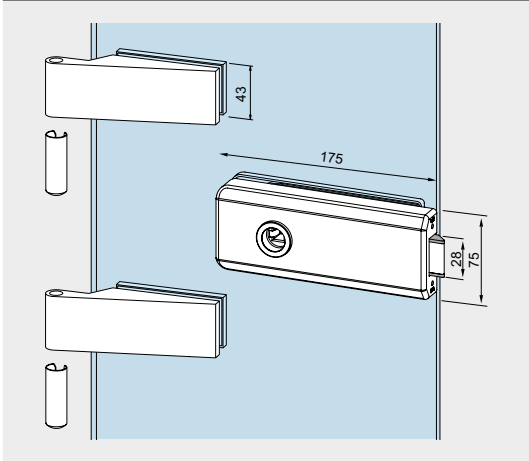
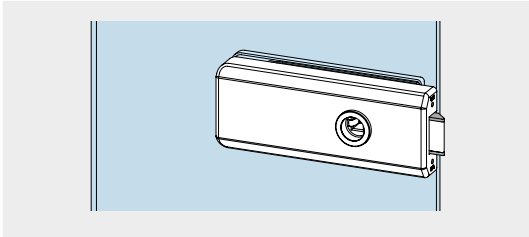
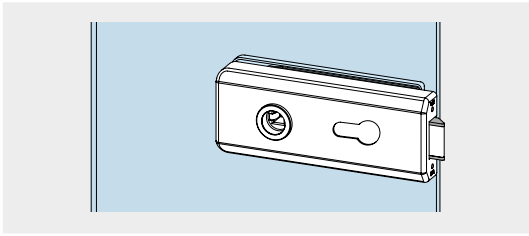
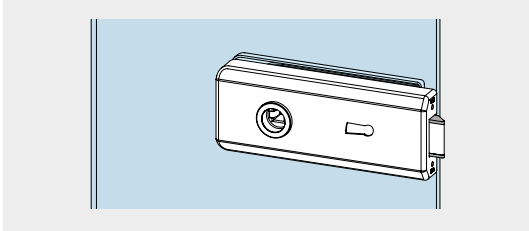
* For all lock designs with the exception of „non-locking latches – handles to the front of the lock case“.

Complete doorsets for 8 mm glass thickness, locks with follower

Complying to DIN EN 12209, with regard to type test (see page 6).

Prepared for all levers without roses with 8 mm square spindles, spindle length for 44 mm lock thickness and 18 mm Ø follower, max. 8 mm long.

Door weight max. 45 kg, door width max. 1,000 mm rebate depth 24 mm (for 8 mm glass thickness).

	Product description	Art. No.
	<p>Lock with 2 hinges non-locking lock, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.920 Brass 2.660</p>	19.620
	<p>Lock with 2 hinges non-locking lock with follower forward, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.880 Brass 2.645</p>	19.621
	<p>Lock with 2 hinges lock prepared for Europrofile cylinder, nightlatch function, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.915 Brass 2.660</p>	19.622
	<p>Lock with 2 hinges lever lock, nightlatch function, 2 keys supplied, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.965 Brass 2.700</p>	19.623

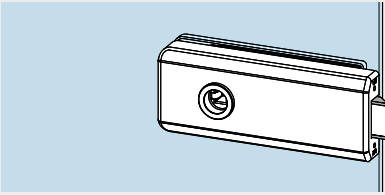
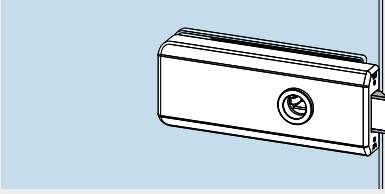
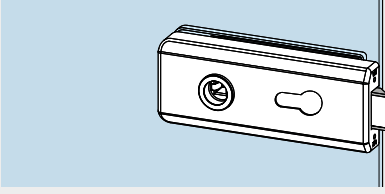
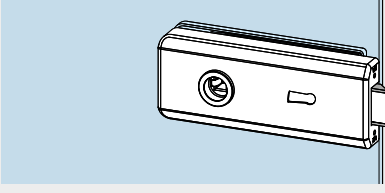
Locks with follower

Complying to DIN EN 12209, with regard to type test (see page 6).

Locks for 8 mm glass thickness / 24 mm rebate depth.

Prepared for all levers without roses with 8 mm square spindles, spindle length for 44 mm lock thickness and 18 mm Ø follower, max. 8 mm long.

Hinges see page 42.

	Product description	Art. No.
	Lock non-locking Weight in kg: Aluminum 0.690 Brass 0.972	19.610
	Lock non-locking, with follower forward Weight in kg: Aluminum 0.679 Brass 0.957	19.611
	Lock prepared for Europrofile cylinder, nightlatch function Weight in kg: Aluminum 0.690 Brass 0.972	19.612
	Lock lever lock, nightlatch function, 2 keys supplied Weight in kg: Aluminum 0.718 Brass 1.012	19.613

Door hinges

	Product description	Glass thickness	Art. No.
	Hinge with frame pivot complete with sleeve 24 mm rebate depth	8 mm	10.021
	26 mm rebate depth Weight in kg: Aluminum 0.319	10 mm	10.020
	Hinge for frame pivots with sleeve bolt steel zinc-plated panel weight max. 55 kg		11.288*
	Weight in kg: Aluminum 0.358 Brass 0.787		
	* Finish satin stainless steel (700) not usable with 11.405 (page 107).		

Space for your notes

Content

STUDIO Arcos

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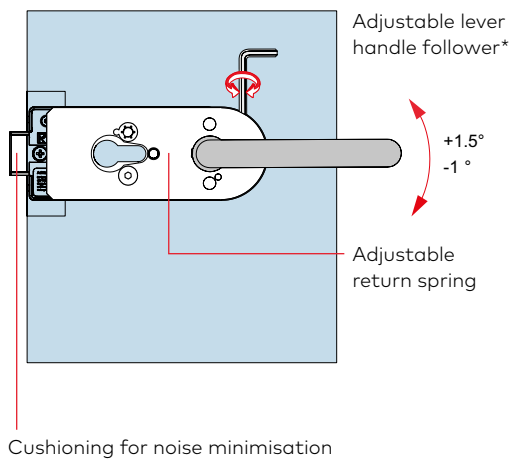
STUDIO Arcos

Technical features

- Lock insert with low-noise "whisper" functionality as standard. The whisper latch (study metal latch – partially plastics-sheathed and damped latch motions for noise minimisation) satisfy particularly high expectations. Adjustable lever handle follower $+1,5^{\circ} / -1^{\circ}$, patent pending, for avoidance of "lever handle sag" (droop). Further on a special spring supported clamp follower holds the lever handle perfectly secure.
- The fully closed lock case provides optimum protection for the internal components which themselves are of rugged unit construction.
- Locks comply to the current DIN EN 12209.
- Moreover these locks were tested successfully by a neutral testing institute with 200,000 latch and 200,000 locking bolt operating cycles.

Lock features	STUDIO Rondo	STUDIO Classic	STUDIO Gala 2.0	STUDIO Arcos
Adjustable lever handle follower from + 1.5° to - 1° for avoidance of „lever handle sag“ droop*	●	●	●	●
Low-noise “whisper” functionality	●	●	●	●
Adjustable return spring	●	●	●	●
Spring-assisted clamp follower	●	●	●	●
Compliance approval to EN 12209	●	●	●	●
Lock types				
Non-locking latch	●	●	●	●
Non-locking latch, with levers forward	●	●	●	●
Prepared for Europrofile cylinder	●	●	●	●
Prepared for KABA cylinder	●	●	●	●
Warded lever lock with nightlatch function	●	●	●	●
Bathroom lock function	●	●	●	●

New standard lock functions



* For all lock designs with the exception of „non-locking latches – handles to the front of the lock case“.

Complete doorsets for 8 and 10 mm glass thickness, locks with follower

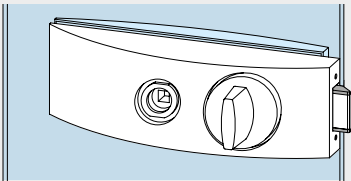
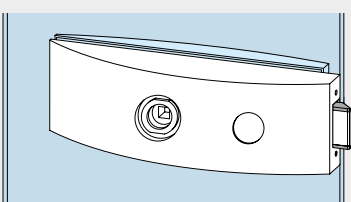
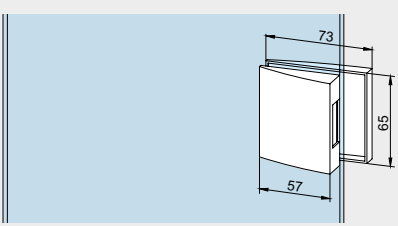
Locks acc. to DIN 12209, according to type testing (see page 6).

Door weight max. 45 kg, door width max. 1,000 mm rebate depth 24 mm (for 8 mm glass thickness or 10 mm glass thickness when using an Austrian standard "Ö-Norm" latch), 26 mm (for 10 mm glass thickness).

Prepared for all levers without roses with 8 mm square spindles, spindle length for 44 mm lock thickness and 18 mm Ø follower, max. 8 mm long.

Hinges to suit rebate depth 28–40 mm see page 54.

	Product description	Glass thickness	Art. No.
	Lock with 2 hinges non-locking lock, hinges with sleeves	8 mm 10 mm	24.100 24.130
	Weight in kg: Aluminum 1.580 Brass 2.485		
	Lock with 2 hinges non-locking lock with follower forward, hinges with sleeves	8 mm 10 mm	24.101 24.131
	Weight in kg: Aluminum 1.625 Brass 2.505		
	Lock with 2 hinges lock prepared for Europrofile cylinder, nightlatch function, hinges with sleeves	8 mm 10 mm	24.102 24.132
	Weight in kg: Aluminum 1.565 Brass 2.465		
	Lock with 2 hinges lever lock, nightlatch function, 2 keys supplied, hinges with sleeves	8 mm 10 mm	24.103 24.133
	Weight in kg: Aluminum 1.630 Brass 2.530		

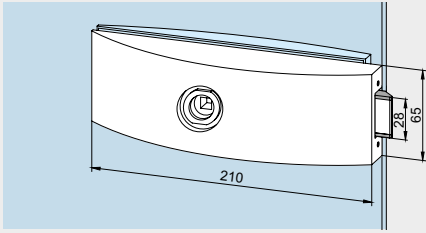
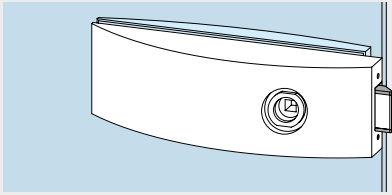
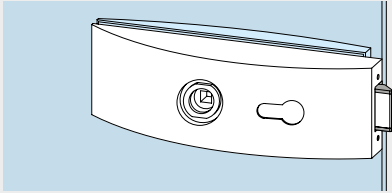
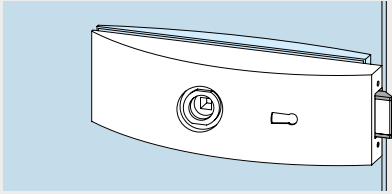
	Product description	Glass thickness	Art. No.
	<p>Lock with 2 hinges WC-toilet door, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.716 Brass 2.755</p>	<p>8 mm 10 mm</p>	<p>24.106 24.134</p>
	<p>Lock with 2 hinges prepared for KABA, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.630 Brass 2.530</p>	<p>8 mm 10 mm</p>	<p>24.108 24.129</p>
	<p>Strike box with 2 hinges for pairs of doors, hinges with sleeves</p> <p>Weight in kg: Aluminum 1.380 Brass 2.295</p>	<p>8 mm 10 mm</p>	<p>24.120 24.125</p>

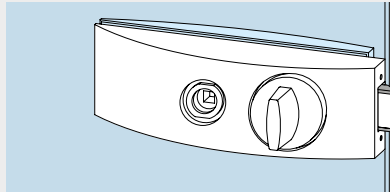
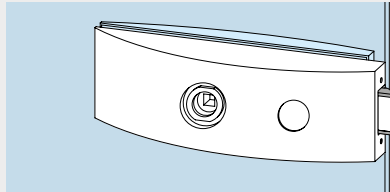
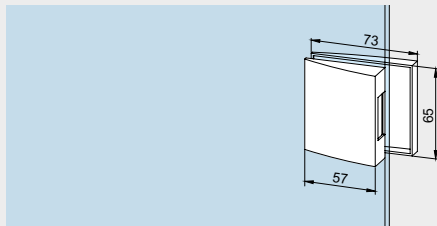
Locks with follower

Locks acc. to DIN 12209, according to type testing (see page 6).

Locks for 8 mm glass thickness (or 10 mm glass thickness when using an Austrian standard "Ö-Norm" latch) / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.

Prepared for all levers without roses with 8 mm square spindles, spindle length for 44 mm lock thickness and 18 mm Ø follower, max. 8 mm long.
Hinges to suit rebate depth 28–40 mm see page 54.

	Product description	Art. No.
	<p>Lock non-locking</p> <p>Weight in kg: Aluminum 0.840 Brass 1.055</p>	24.200
	<p>Lock non-locking, with follower forward</p> <p>Weight in kg: Aluminum 0.845 Brass 1.055</p>	24.201
	<p>Lock prepared for Europrofile cylinder, nightlatch function</p> <p>Weight in kg: Aluminum 0.815 Brass 1.030</p>	24.202
	<p>Lock lever lock, nightlatch function, 2 keys supplied</p> <p>Weight in kg: Aluminum 0.850 Brass 1.090</p>	24.203

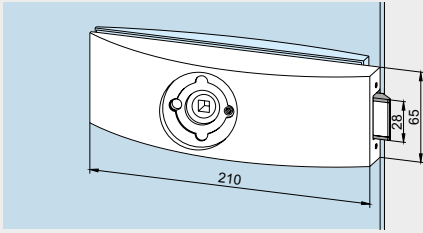
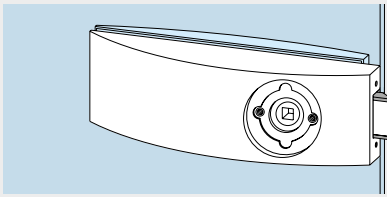
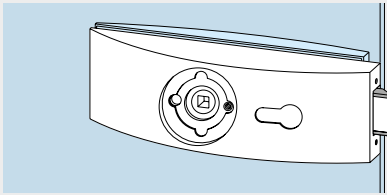
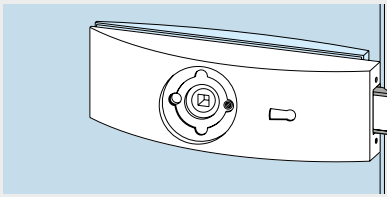
	Product description	Art. No.
	<p>Lock WC – toilet door</p> <p>Weight in kg: Aluminum 1.111 Brass 1.398</p>	<p>24.206</p>
	<p>Lock prepared for KABA</p> <p>Weight in kg: Aluminum 0.850 Brass 1.090</p>	<p>24.207</p>
	<p>Strike box for pairs of doors</p> <p>Weight in kg: Aluminum 0.610 Brass 0.903</p>	<p>24.220</p>

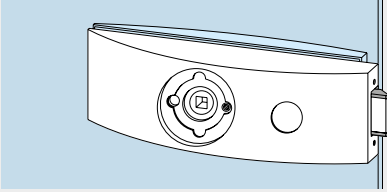
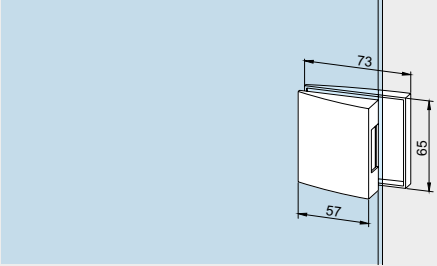
Locks for levers with roses

Locks acc. to DIN 12209, according to type testing (see page 6).

Hinges to suit rebate depth 28–40 mm see page 54.

Locks for 8 mm glass thickness (or 10 mm glass thickness when using an Austrian standard "Ö-Norm" latch) / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.

	Product description	Art. No.
	<p>Lock non-locking</p> <p>Weight in kg: Aluminum 1.580</p>	24.210
	<p>Lock non-locking, for lever forward</p> <p>Weight in kg: Aluminum 1.625</p>	24.211
	<p>Lock prepared for Europrofile cylinder, nightlatch function</p> <p>Weight in kg: Aluminum 1.565</p>	24.212
	<p>Lock lever lock, nightlatch function, 2 keys supplied</p> <p>Weight in kg: Aluminum 1.630</p>	24.213

	Product description	Art. No.
	<p>Lock prepared for KABA</p> <p>Weight in kg: Aluminum 0.850</p>	<p>24.217</p>
	<p>Strike box for pairs of doors</p> <p>Weight in kg: Aluminum 0.610 Brass 0.903</p>	<p>24.220</p>

Hinges

for 8 mm glass thickness, for rebate depth 24 mm. Door width max. 1,000 mm.

	Product description	Art. No.
	<p>Hinge for frame pivot complete with sleeve, to suit rebate depth 24 mm door weight max. 45 kg</p> <p>Weight in kg: Aluminum 0.319</p>	<p>24.230</p>
	<p>Filler piece with screws for rebate depth 28–40 mm, (please indicate), door weight max. 38 kg, used in combination with hinge 24.230 or 10.021</p> <p>Weight in kg: Aluminum 0.144</p>	<p>24.420 (not illustr.)</p>

for 10 mm glass thickness, for rebate depth 26 mm. Door width max. 1,000 mm.

	Product description	Art. No.
	<p>Hinge for frame pivot complete with sleeve, door weight max. 45 kg</p> <p>Weight in kg: Aluminum 0.319</p>	<p>24.236</p>

Special hinges

	Product description	Glass thickness	Art. No.
	Arcos corner hinges, pairs, with free glass edge (for rebate) on top resp. underneath and at side height adjustable, extended colour options, door weight max. 35 kg	8 mm 10 mm	25.401 25.409
	Weight in kg: Aluminum 0.588 Brass 1.006		
	Pair of floor and top pivot for corner hinges, brass satin chromed, stainless steel pin		12.016
	Weight in kg: Aluminum 0.182		
	Piece of floor socket / top pivot left bottom / top right		12.014
	Weight in kg: Aluminum 0.091		
	Piece of floor socket / top pivot right bottom / top left		12.015
	Weight in kg: Aluminum 0.091		
	Frame fixed pivot for corner hinges, brass satin chromed, stainless steel pin		12.003
	Weight in kg: Aluminum 0.132		
	Screw-in pivot stainless steel		12.004
	Weight in kg: Aluminum 0.048		
	Arcos hinge with frame pivot for non-rebated frames hinge flap for screwing onto frame, stainless steel pin, plastic bushing, door weight max. 40 kg, door width max. 1,000 mm		25.451
	Weight in kg: Aluminum 0.205		

Content

STUDIO Medio

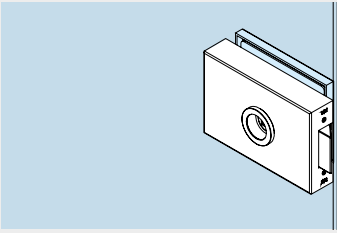
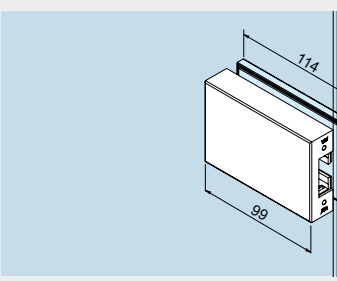
58	Components
59	Type illustrations
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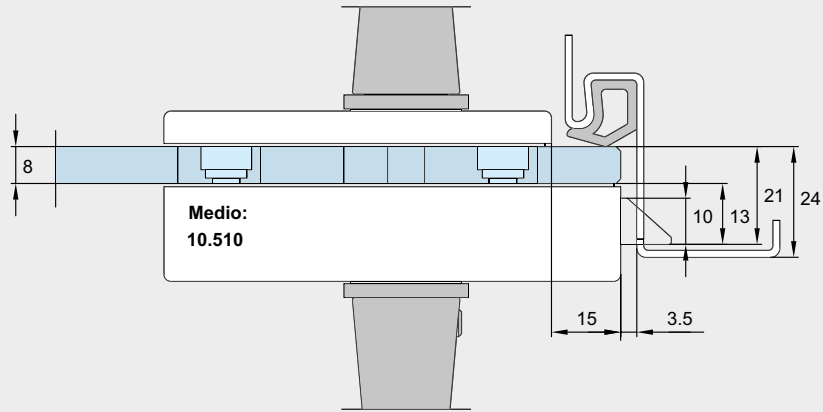
STUDIO Medio

Locks with follower

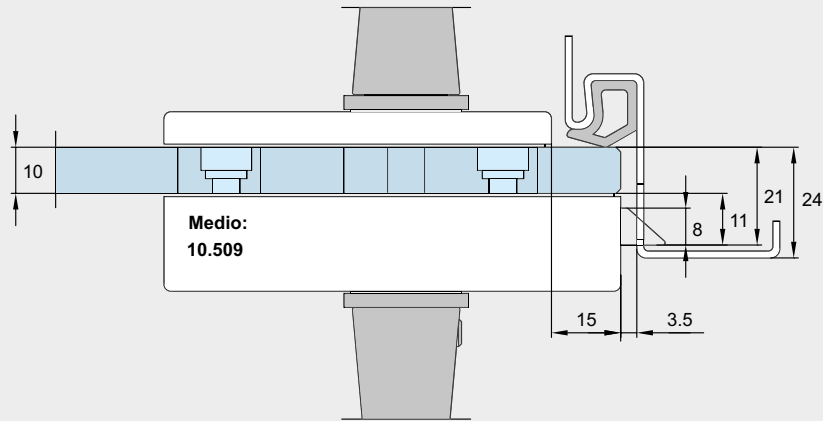
Locks for 8 + 10 mm glass thickness / 24 mm rebate depth

	Product description	Glass thickness	Art. No.
	<p>STUDIO Medio lock</p> <p>Weight in kg: Aluminum 0.840</p>	<p>8 mm 10 mm</p>	<p>10.510 10.509</p>
	<p>STUDIO Medio strike box, short</p> <p>Weight in kg: Aluminum 0.610</p>	<p>8 mm and 10 mm</p>	<p>10.512</p>

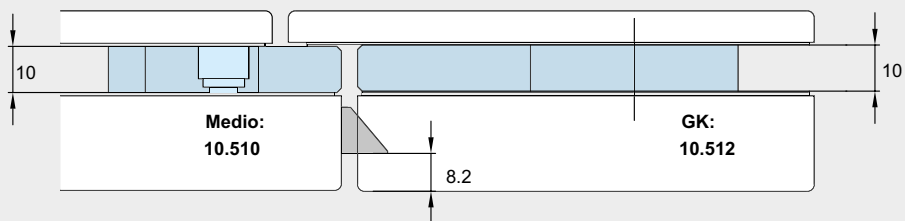
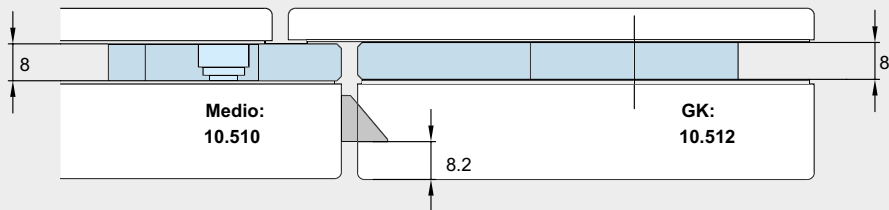
For 8 mm glass thickness in 24 mm rebate depth



For 10 mm glass thickness in 24 mm rebate depth



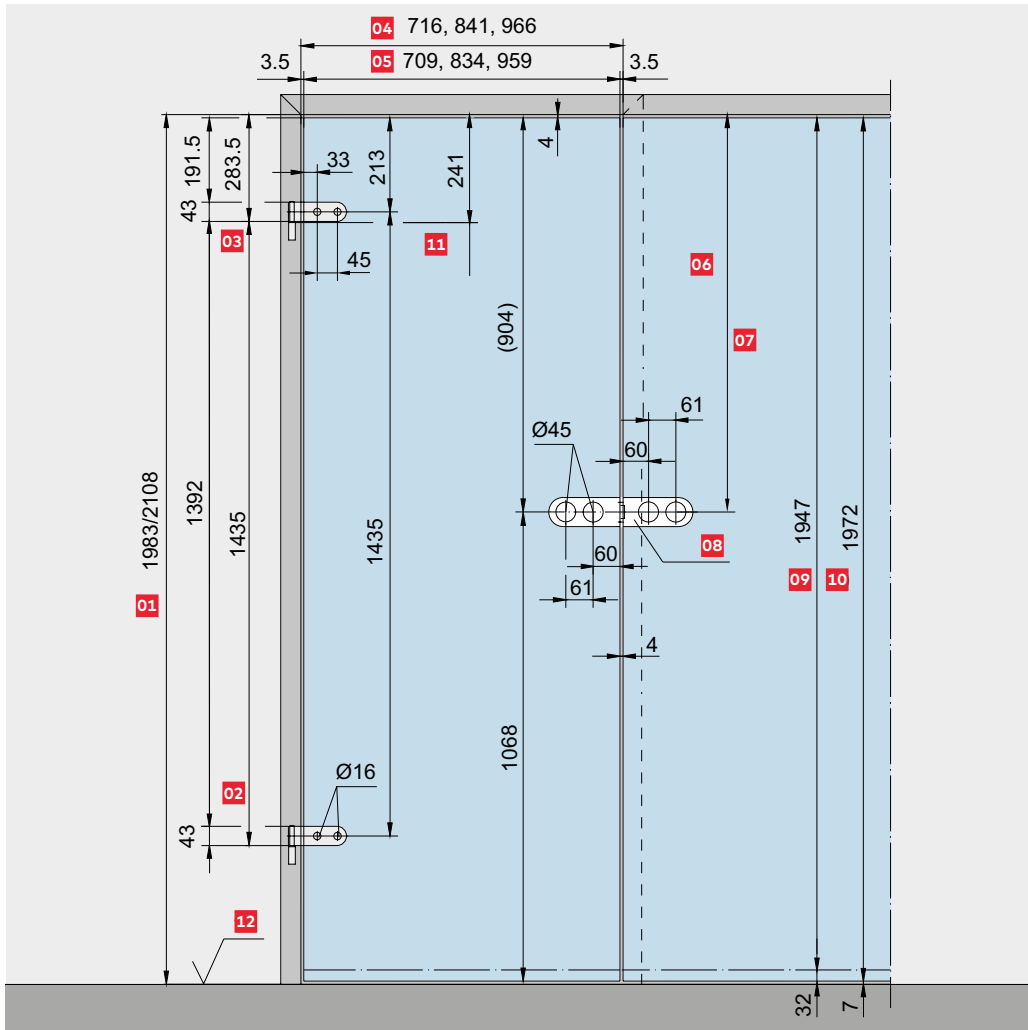
Applications with an occasional door/sidelight:



Applications with an occasional door / sidelight are always designed with lock type 10.510 for 8 mm glass, irrespective of whether the glass thickness is 8 mm or 10 mm.

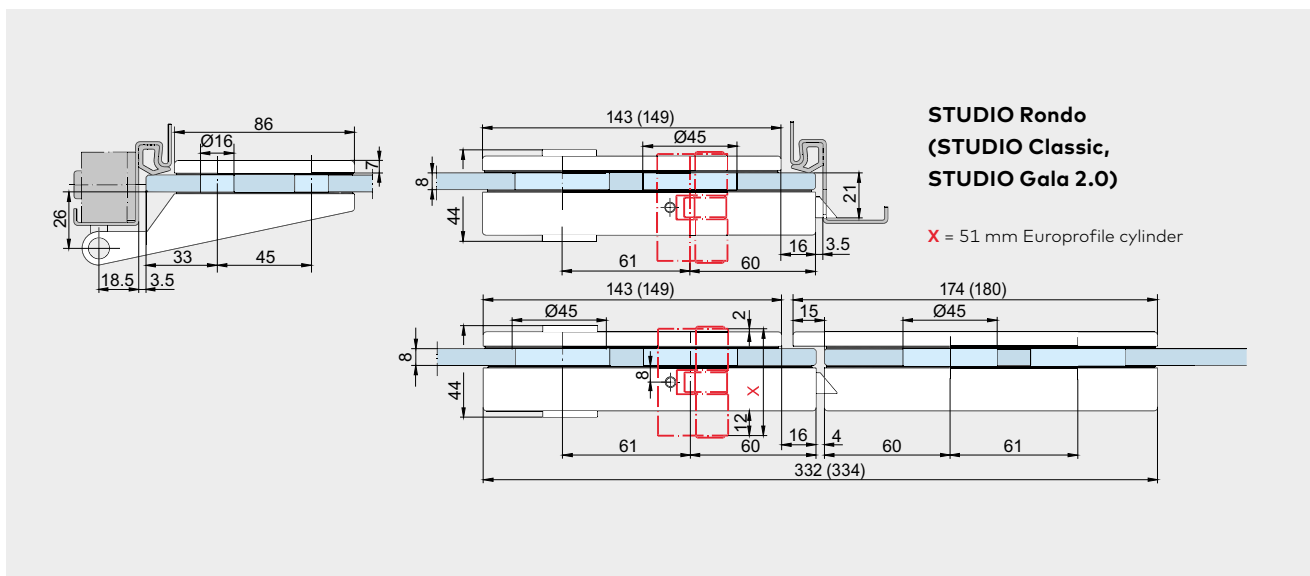
Space for your notes

Construction dimensions for frame pivots STUDIO Rondo / Classic, STUDIO Gala 2.0

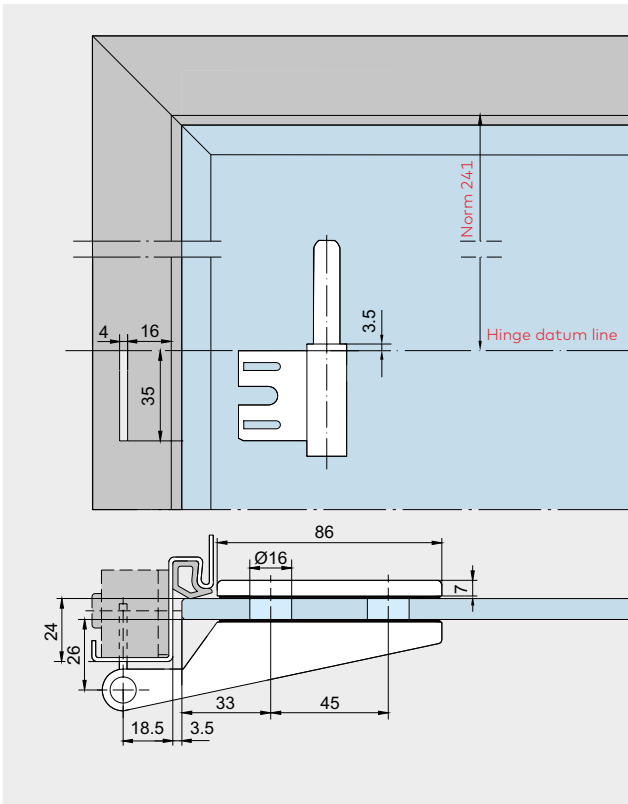


- 01** Frame rebate height
- 02** Standard hinge support to DIN 18 111
- 03** Standard hinge support
- 04** Frame rebate width
- 05** Glass width
- 06** Centre lock bolt
- 07** Usually 908 mm for doors 1,972/2,108 mm high
- 08** Strike box
- 09** Glass height (type S)
- 10** Glass height (type N)
- 11** Hinge datum line to DIN 18 268
- 12** Finished floor level (FFL)

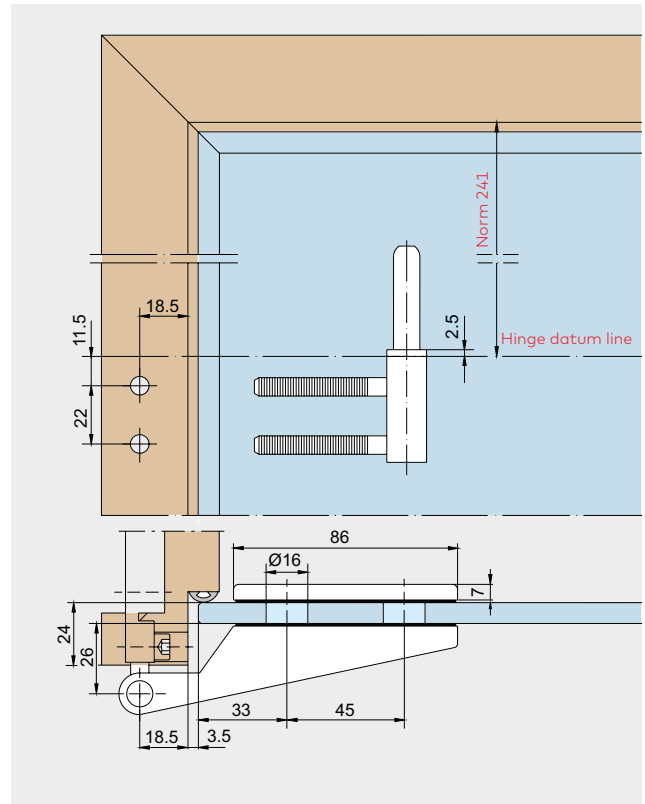
Section STUDIO Rondo / Classic, STUDIO Gala 2.0



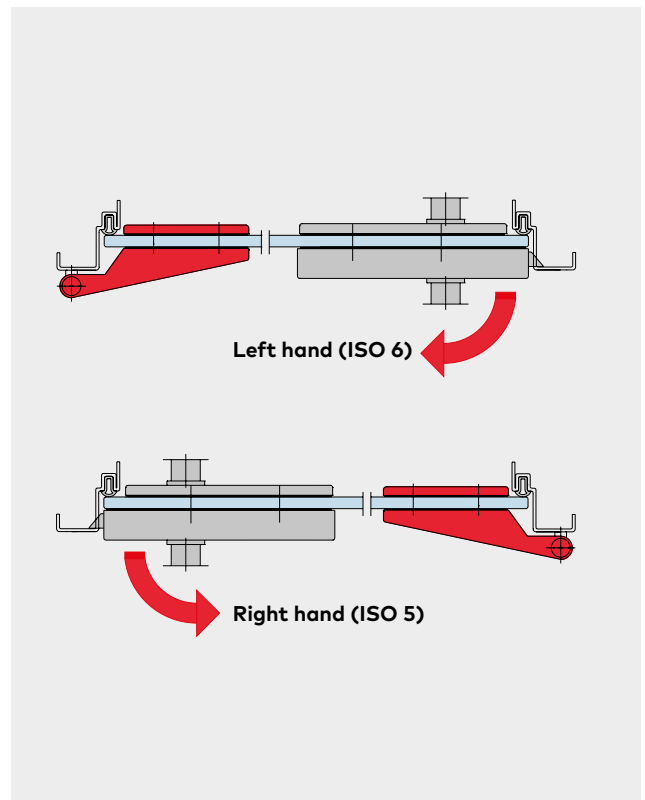
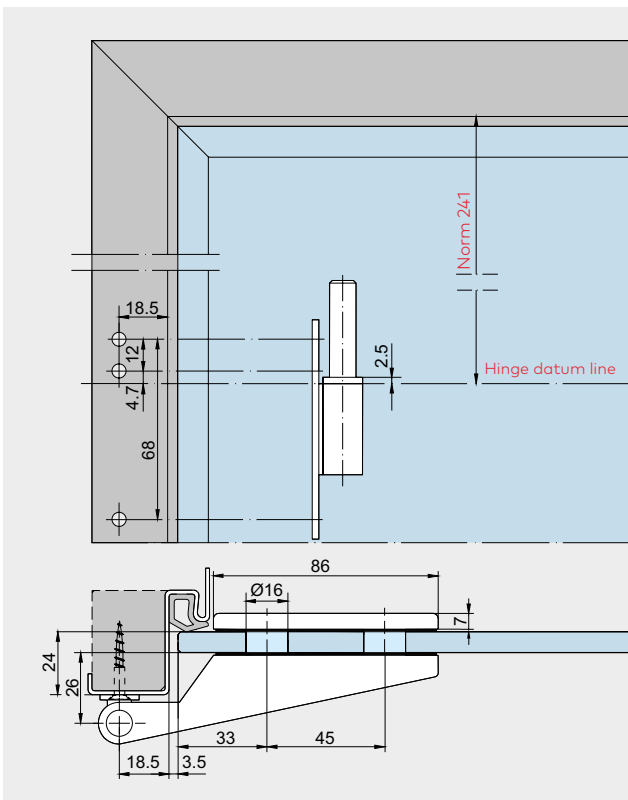
Frame pivots for steel frames



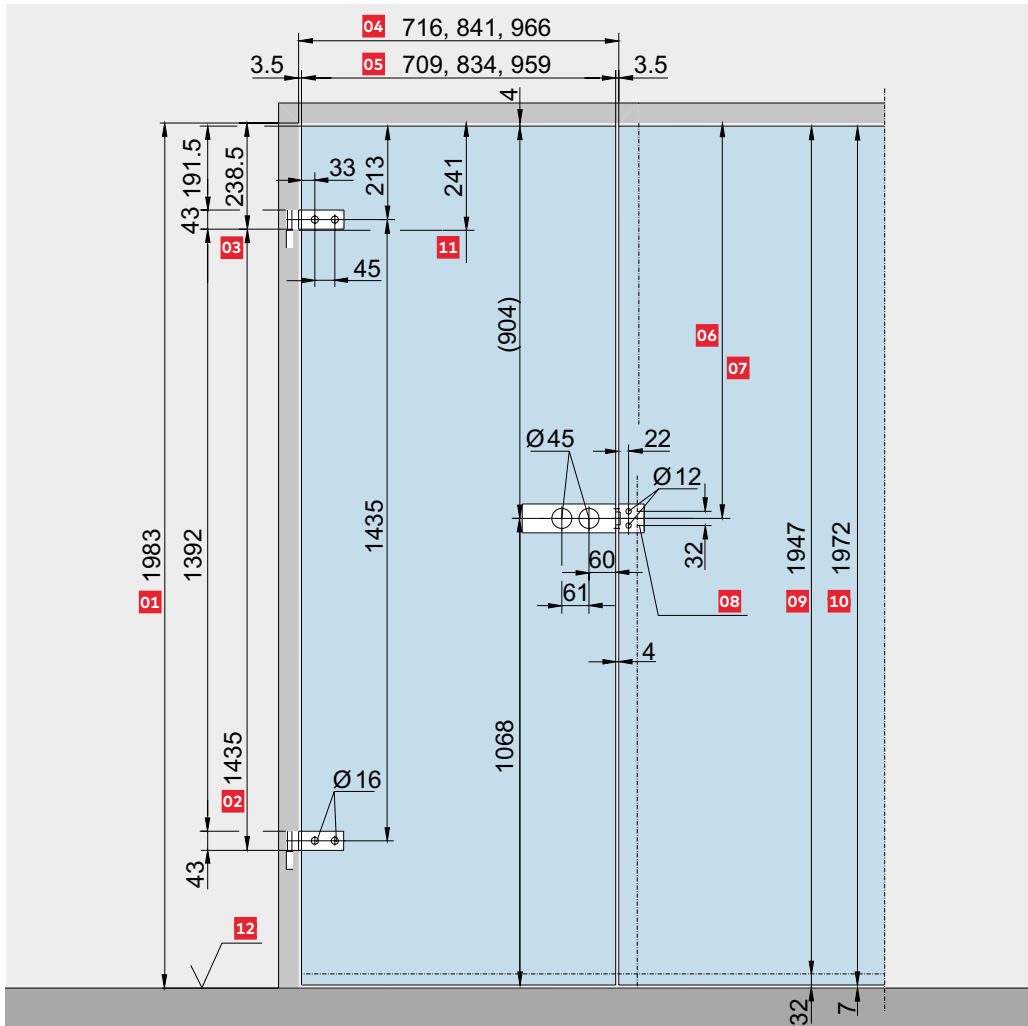
Frame pivots for wooden frames



Screw on frame pivot

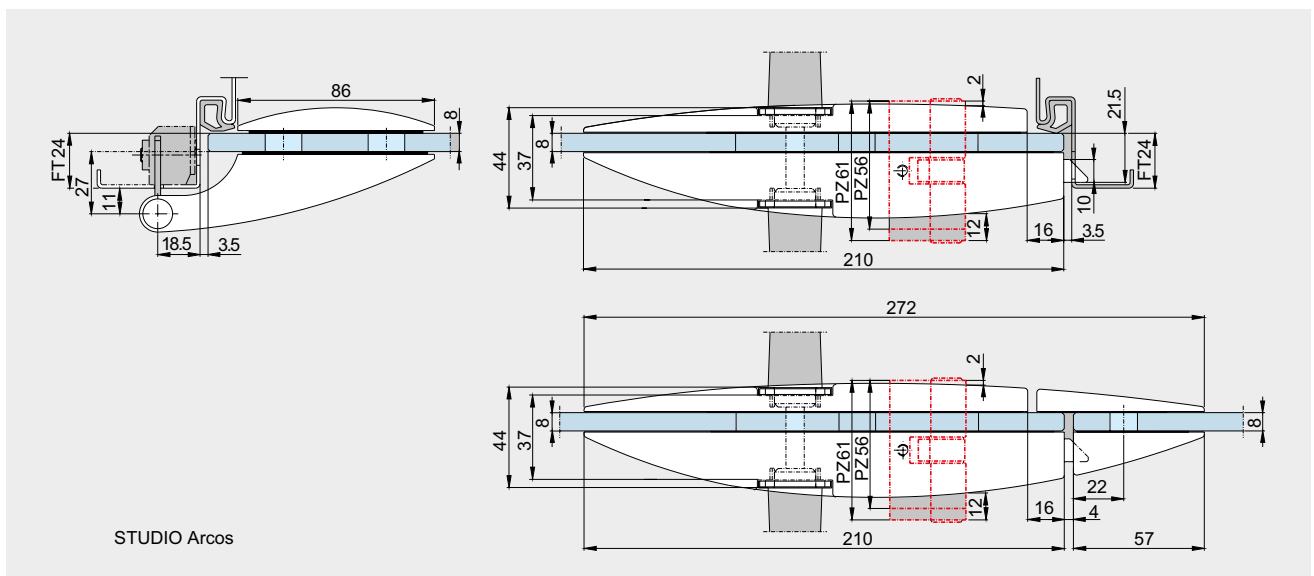


Construction dimensions for frame pivots STUDIO Arcos

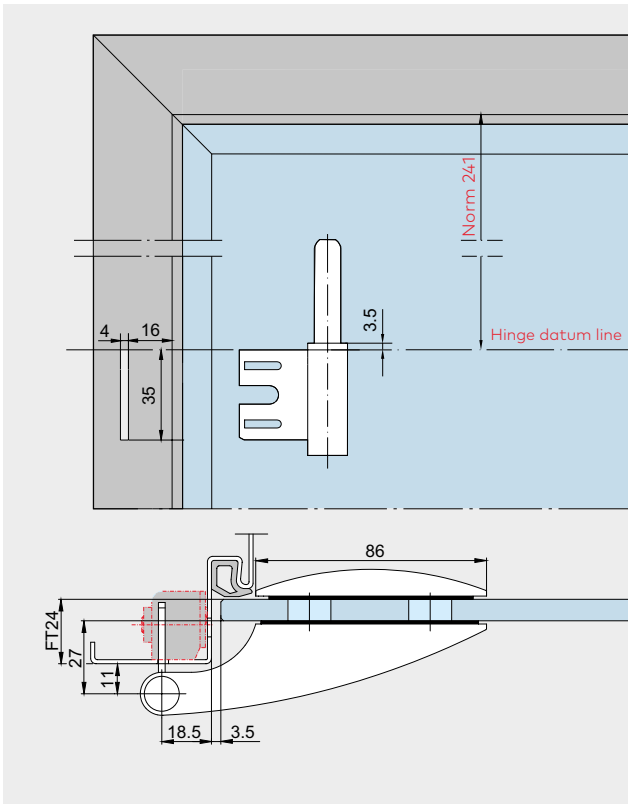


- 01** Frame rebate height
- 02** Standard hinge support to DIN 18 111
- 03** Standard hinge support
- 04** Frame rebate width
- 05** Glass width
- 06** Centre lock bolt
- 07** Usually 908 mm for doors 1,972 mm high
- 08** Strike box
- 09** Glass height (type S)
- 10** Glass height (type N)
- 11** Hinge datum line to DIN 18 268
- 12** Finished floor level (FFL)

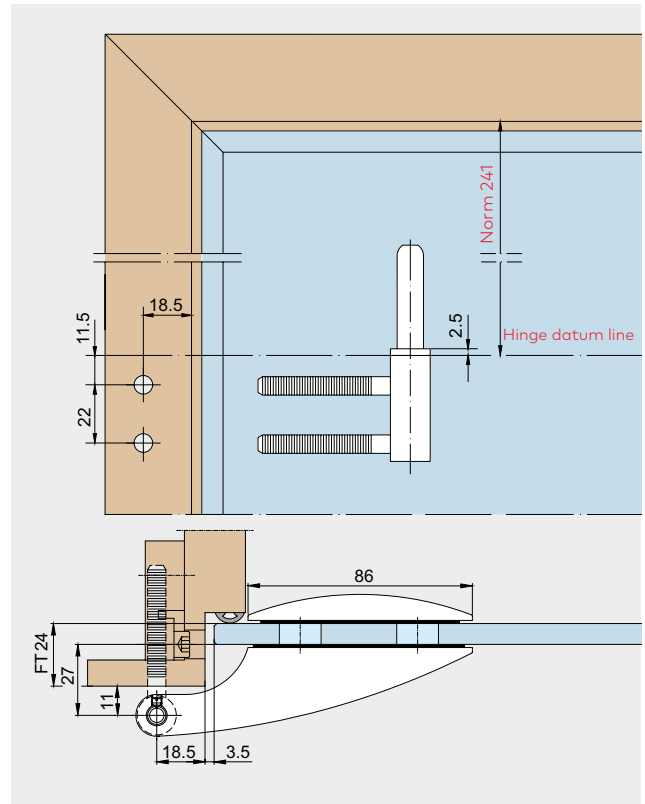
Section STUDIO Arcos



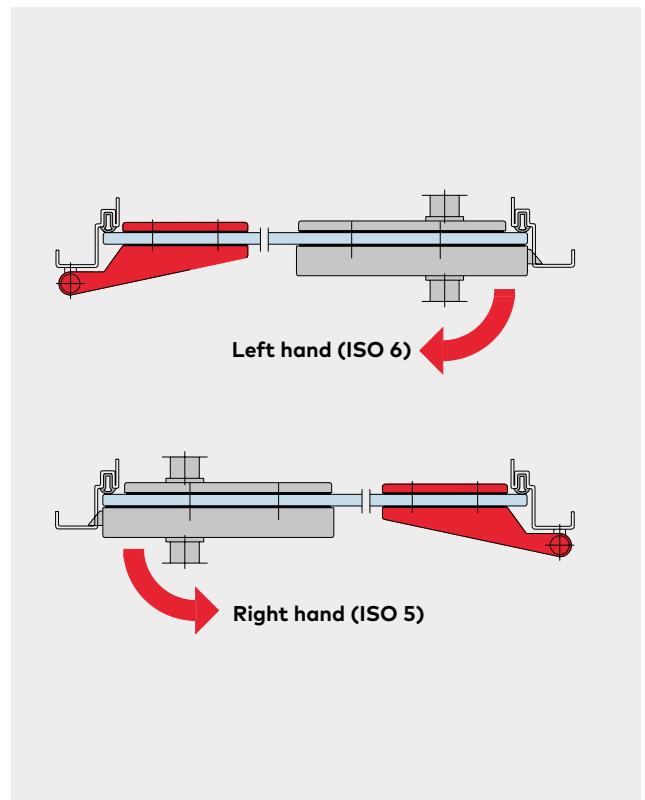
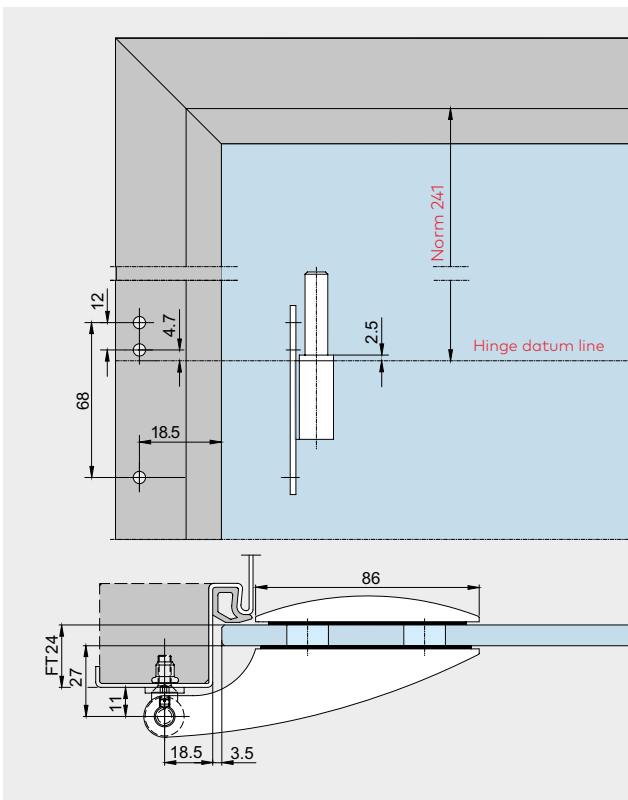
Frame pivots for steel frames



Frame pivots for wooden frames



Screw on frame pivot



Content

OFFICE Junior

68	Technical features
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OFFICE Junior

Technical features

- Lock insert with low-noise “whisper” functionality as standard. The whisper latch (study metal latch – partially plastics-sheathed and damped latch motions for noise minimisation) satisfy particularly high expectations, including the requirements of government agencies and public authorities.
- Adjustable lever handle follower (+ / – 1°), patent pending, for avoidance of “lever handle sag” (droop). Further on a special spring supported clamp follower holds the lever handle perfectly secure.
- Locks comply to the current DIN EN 12209. They are designed for use in public buildings.
- Moreover these locks were tested successfully by a neutral testing institute with 500,000 latch and 100,000 locking bolt operating cycles.
- Special versions of the fitting manufactured in high-grade corrosion-resistant materials are available for wet room applications.

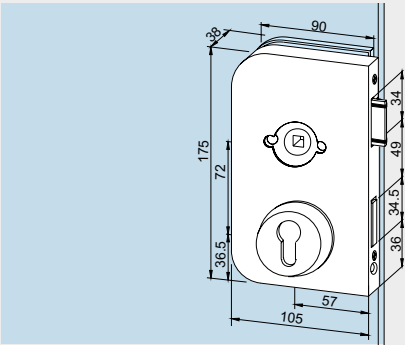
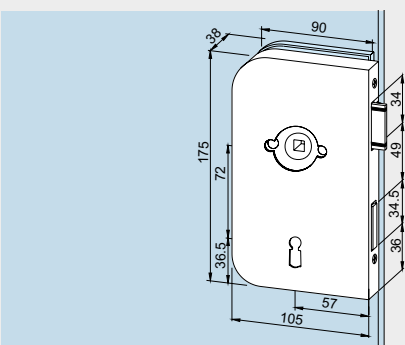
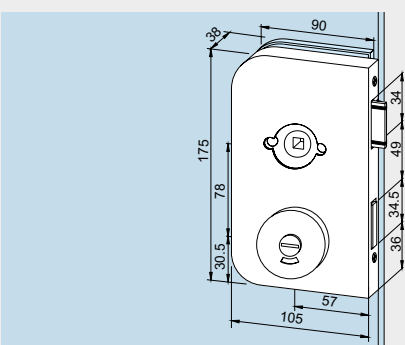
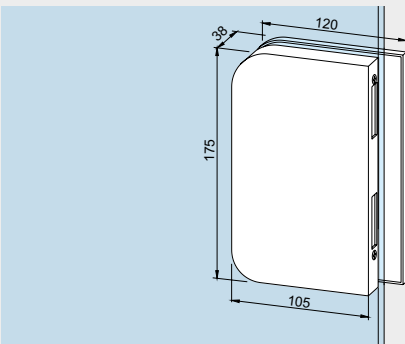
Locks for levers with roses

Complying to the current DIN EN 12209 (see page 6).

Locks supplied as standard for 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp. Extension plates are available for deeper rebates. Please contact our Application Engineering people for advice.

Hinges page 71 (also to suit doors with no over-rebate and rebate depth 25 – 40 mm)

	Product description	Art. No.
	<p>Lock prepared for Europrofile cylinder, nightlatch function, extended colour options, also available in brass or stainless steel</p> <p>Weight in kg: Aluminum 1.214 Brass 1.542 Stainless steel 1.505</p>	<p>11.200 L 11.201 R (not illustr.)</p>
	<p>Lock prepared for Europrofile cylinder, nightlatch function, lock corrosion-resistant</p> <p>Weight in kg: Aluminum 1.230</p>	<p>11.210 L 11.211 R (not illustr.)</p>
	<p>Lock non-locking, extended colours options, also available in stainless steel</p> <p>Weight in kg: Aluminum 1.210 Brass 1.368</p>	<p>11.212 L 11.213 R (not illustr.)</p>

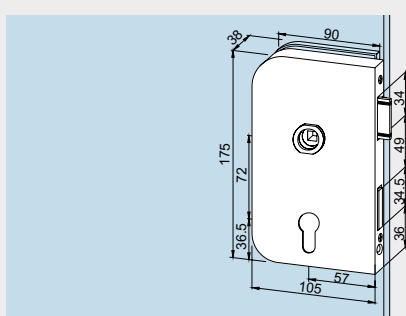
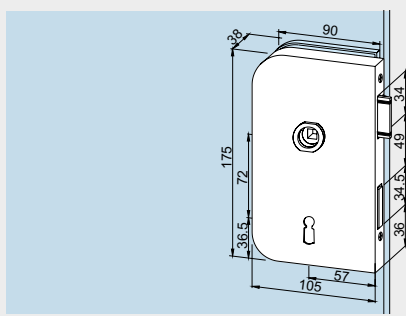
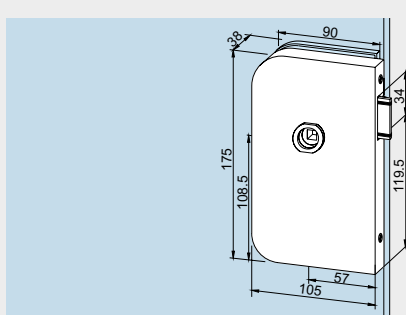
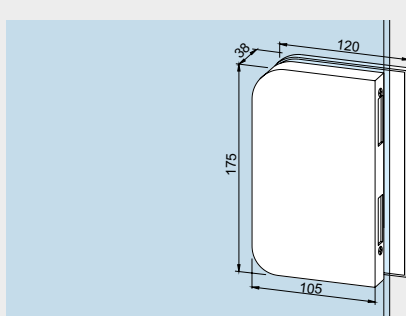
	Product description	Art. No.
	<p>Lock prepared for Europrofile cylinder, nightlatch function, cylinder rose on lock side, extended colour options, also available in brass</p> <p>Weight in kg: Aluminum 1.200</p> <p>Lock prepared for Europrofile cylinder, nightlatch function, cylinder roses on both sides, extended colour options, also available in brass</p> <p>Weight in kg: Aluminum 1.214</p>	<p>11.242 L 11.243 R (not illustr.)</p> <p>11.228 L 11.229 R (not illustr.)</p>
	<p>Lock lever lock, without nightlatch function, 2 keys supplied, also available in stainless steel</p> <p>Weight in kg: Aluminum 1.115 Stainless steel 1.383</p> <p>Lock prepared for KABA, nightlatch function</p> <p>Weight in kg: Aluminum 1.075</p>	<p>11.202 L 11.203 R (not illustr.)</p> <p>11.240 L 11.241 R (not illustr.)</p>
	<p>Lock bathroom lock function</p> <p>Weight in kg: Aluminum 1.040</p> <p>Lock bathroom lock function, lock corrosion resistant</p> <p>Weight in kg: Aluminum 1.210</p>	<p>11.204 L 11.205 R (not illustr.)</p> <p>11.214 L 11.215 R (not illustr.)</p>
	<p>Strike box for OFFICE Junior locks, extended colour options, also available in brass</p> <p>Weight in kg: Aluminum 1.019 Brass 1.420 Stainless steel 1.335</p>	<p>11.206 L 11.207 R (not illustr.)</p>

Locks with follower

Complying to the current DIN EN 12209 (see page 6).

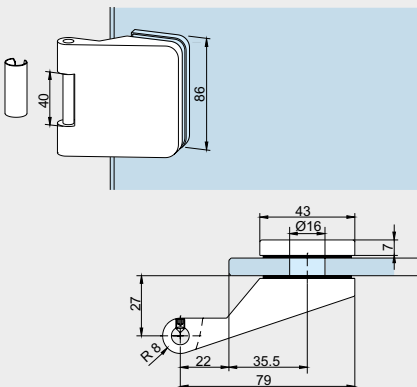
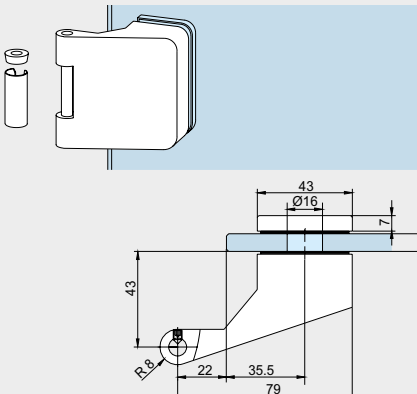
Locks supplied as standard for 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.

Prepared for all levers without roses with 8 mm square spindles, spindle length for 44 mm lock thickness and 18 mm Ø follower, max. 8 mm long.
Hinges page 71 (also to suit doors with no over-rebate and rebate depth 25 – 40 mm)

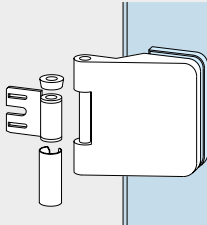
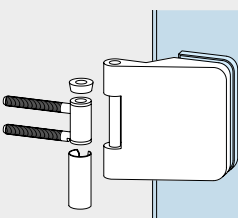
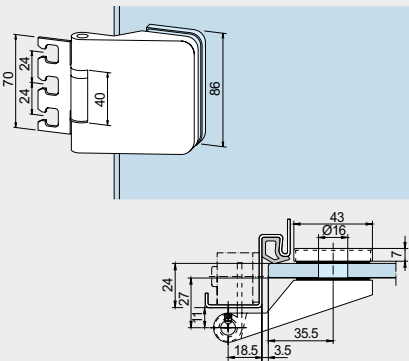
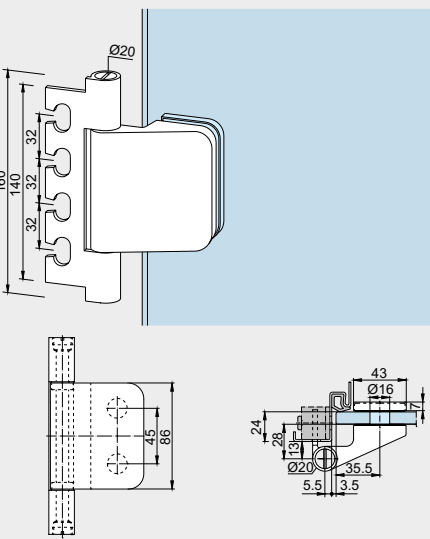
	Product description	Art. No.
	<p>Lock prepared for Europrofile cylinder, nightlatch function, extended colour options, also available in brass or stainless steel</p> <p>Weight in kg: Aluminum 1.165 Brass 1.598 Stainless steel 1.445</p>	<p>11.260 L 11.261 R (not illustr.)</p>
	<p>Lock lever lock, without nightlatch function, 2 keys supplied, also available in stainless steel</p> <p>Weight in kg: Aluminum 1.115 Stainless steel 1.383</p> <p>Lock prepared for KABA, with nightlatch function, 2 keys supplied, also available in stainless steel</p> <p>Weight in kg: Aluminum 1.113 Stainless steel 13.78</p>	<p>11.262 L 11.263 R (not illustr.)</p> <p>11.266 L 11.267 R (not illustr.)</p>
	<p>Lock non-locking, also available in stainless steel</p> <p>Weight in kg: Aluminum 1.040 Stainless steel 1.290</p>	<p>11.264 L 11.265 R (not illustr.)</p>
	<p>Strike box for OFFICE Junior locks, extended colour options, also available in brass</p> <p>Weight in kg: Aluminum 0.945 Brass 1.488 Stainless steel 1.335</p>	<p>11.206 L 11.207 R (not illustr.)</p>

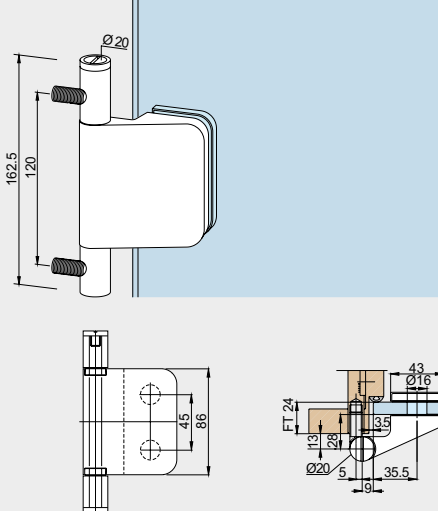
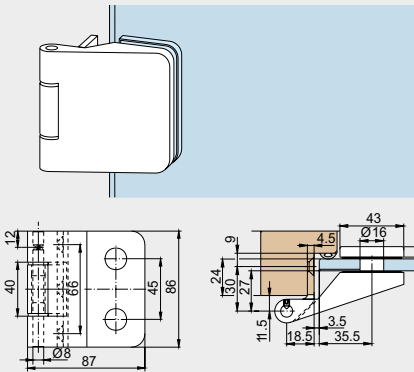
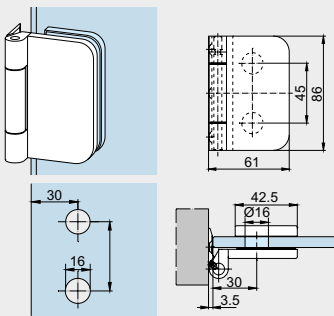
Hinges for frame pivots

For 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp., max. door width 1,000 mm.

	Product description	Art. No.
	<p>Hinge for frame pivot complete with sleeve, zinc plated steel pin, door weight max. 55 kg</p> <p>Weight in kg: Aluminum 0.358 Brass 0.787</p>	11.230*
	<p>Hinge for frame pivot complete with sleeve, stainless steel pin, to be used in damp environments, door weight max. 55 kg</p> <p>Weight in kg: Aluminum 0.360</p>	11.237
	<p>Hinge for frame pivot complete with sleeve, to suit rebate depth 25 – 39 mm, door weight max. 45 kg,</p> <p>Weight in kg: Aluminum 0.530</p>	11.245 (not illustr.)
	<p>Hinge for frame pivot complete with sleeve, to suit rebate depth 40 mm, door weight max. 45 kg</p> <p>Weight in kg: Aluminum 1.111</p>	11.238 (not illustr.)
	<p>Hinge for frame pivot complete with sleeve and ball bearing, door weight max. 60 kg, also available in brass or stainless steel</p> <p>Weight in kg: Aluminum 0.385 Brass 0.792 Stainless steel 0.493</p> <p>* Finish satin stainless steel (Niro S 700 ST) (700), not usable with screw-on frame pivot 11.405 (page 107).</p>	11.234* (not illustr.)
	<p>Hinge for frame pivot complete with sleeve, to suit rebate depth 40 mm with steel ball bearing, door weight max. 45 kg</p> <p>Weight in kg: Aluminum 1.100</p>	11.244

Hinges for frame pivots

	Product description	Art. No.
	<p>Hinge with frame pivot for steel frames complete with sleeve, steel ball bearing, door weight max. 60 kg, also available in brass or stainless steel</p> <p>Weight in kg: Aluminum 0.423 Brass 0.830 Stainless steel 0.525</p>	<p>11.321</p>
	<p>Hinge with frame pivot for wooden frames with sleeve, steel ball bearing, door weight max. 60 kg, also available in brass or stainless steel</p> <p>Weight in kg: Aluminum 0.407 Brass 0.840 Stainless steel 0.505</p>	<p>11.232</p>
	<p>Hinge with frame pivot for steel frames with 120 mm type frame pocket, complete with sleeve, steel ball bearing, door weight max. 60 kg, also available in brass or stainless steel</p> <p>Weight in kg: Aluminum 0.435 Brass 0.851 Stainless steel 0.539</p>	<p>11.247</p>
	<p>Hinge for project doors with 160 mm type frame portion (reception element for example VN 7608/160 3D or VZK 060-1/3, or equivalent – not included in scope of delivery), stainless steel pin, plastic slide bearing, door weight max. 70 kg, door width max. 1,200 mm</p> <p>Note: Consider separate frame processing</p> <p>do. for 40 mm rebate depth door weight max. 45 kg</p> <p>Weight in kg: Aluminum 0.519</p> <p>Note: Consider separate frame processing</p>	<p>11.233</p> <p>11.340 (not illustr.)</p>

	Product description	Art. No.
	<p>Hinge for project doors with frame pivot for wooden frames, zinc plated frame pivots, zinc plated steel pin, plastic slide bearing, (reception element for example V 4600 or equivalent) door weight max. 70 kg, door width max. 1,200 mm</p> <p>Weight in kg: Aluminum 0.596</p> <p>Note: Consider separate frame processing</p>	<p>11.298</p>
	<p>Hinge with frame pivot for wooden frames, hinge flap for mortising into frame, zinc plated steel pin, plastic bushing, door weight max. 55 kg, door width max. 1,000 mm</p> <p>Weight in kg: Aluminum 0.425</p>	<p>11.239</p>
	<p>Hinge with frame pivot for non-rebated frames, hinge flap for screwing onto frame, stainless steel pin, plastic bushing, door weight max. 55 kg, door width max. 1,000 mm</p> <p>Weight in kg: Aluminum 0.205</p>	<p>12.090</p>

Content

OFFICE Classic

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76	Components
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OFFICE Classic

Technical features

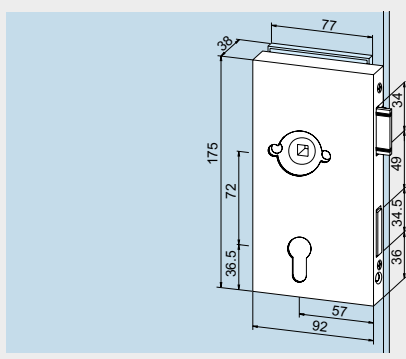
- Lock insert with low-noise "whisper" functionality as standard. The whisper latch (study metal latch – partially plastics-sheathed and damped latch motions for noise minimisation) satisfy particularly high expectations, including the requirements of government agencies and public authorities.
- Adjustable lever handle follower (+ / - 1°), patent pending, for avoidance of "lever handle sag" (droop). Further on a special spring supported clamp follower holds the lever handle perfectly secure.
- Locks comply to the current DIN EN 12209. They are designed for use in public buildings.
- Moreover these locks were tested successfully by a neutral testing institute with 500,000 latch and 100,000 locking bolt operating cycles.
- Special versions of the fitting manufactured in high-grade corrosion-resistant materials are available for wet room applications.

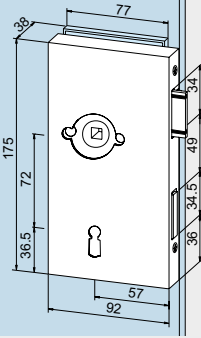
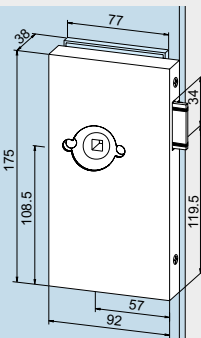
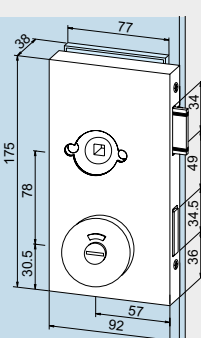
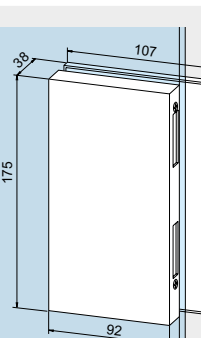
Locks for levers with roses

Complying to the current DIN EN 12209 (see page 6).

Locks supplied as standard for 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.

Hinges page 79 (also to suit doors with no over-rebate and rebate depth 25 – 40 mm)

	Product description	Art. No.
	<p>Lock public building type, prepared for Europrofile cylinder, nightlatch function</p> <p>Weight in kg: Aluminum 1.165</p>	<p>11.270 L 11.271 R (not illustr.)</p>

	Product description	Art. No.
	<p>Lock warded key, without nightlatch function, 2 keys supplied</p> <p>Weight in kg: Aluminum 1.115</p>	<p>11.272 L 11.273 R (not illustr.)</p>
	<p>Lock non-locking</p> <p>Weight in kg: Aluminum 1.040</p>	<p>11.274 L 11.275 R (not illustr.)</p>
	<p>Lock bathroom lock function</p> <p>Weight in kg: Aluminum 1.040</p>	<p>11.276 L 11.277 R (not illustr.)</p>
	<p>Strike box for OFFICE Classic locks</p> <p>Weight in kg: Aluminum 0.945</p>	<p>11.286 L 11.287 R (not illustr.)</p>

Locks with follower

Complying to the current DIN EN 12209 (see page 6).

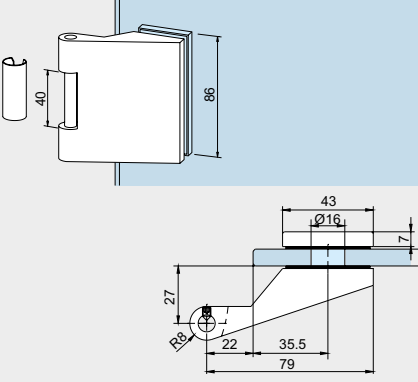
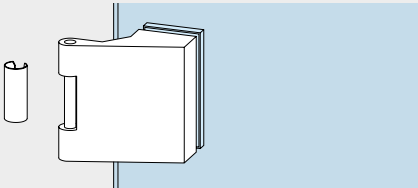
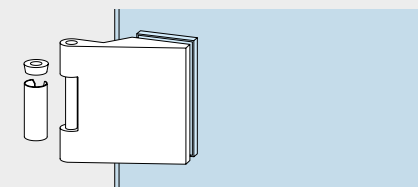
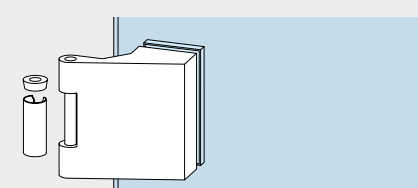
Locks supplied as standard for 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.

Prepared for all levers without roses with 8 mm square spindles, spindle length for 44 mm lock thickness and 18 mm Ø follower, max. 8 mm long.
Hinges page 79 (also to suit doors with no over-rebate and rebate depth 25 – 40 mm).

	Product description	Art. No.
	<p>Lock prepared for Europrofile cylinder, nightlatch function</p> <p>Weight in kg: Aluminum 1.165</p>	<p>11.280 L 11.281 R (not illustr.)</p>
	<p>Lock lever lock, without nightlatch function, 2 keys supplied</p> <p>Weight in kg: Aluminum 1.115</p> <p>Lock prepared for KABA, with nightlatch function, 2 keys supplied</p> <p>Weight in kg: Aluminum 1.113</p>	<p>11.282 L 11.283 R (not illustr.)</p> <p>11.320 L 11.321 R (not illustr.)</p>
	<p>Lock non-locking</p> <p>Weight in kg: Aluminum 1.040</p>	<p>11.284 L 11.285 R (not illustr.)</p>
	<p>Strike box for OFFICE Classic locks</p> <p>Weight in kg: Aluminum 0.945</p>	<p>11.286 L 11.287 R (not illustr.)</p>

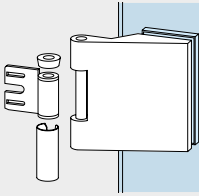
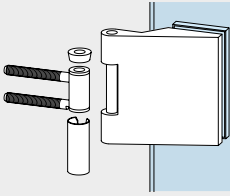
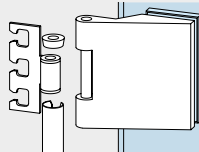
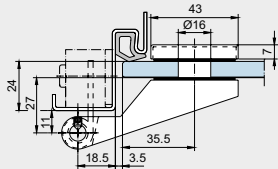
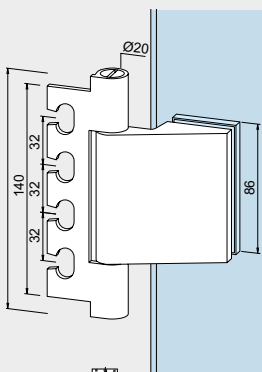
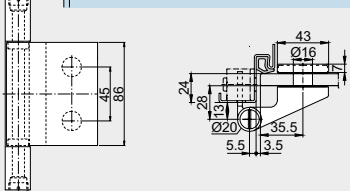
Hinges for frame pivots

For 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp., max. door width 1,000 mm.

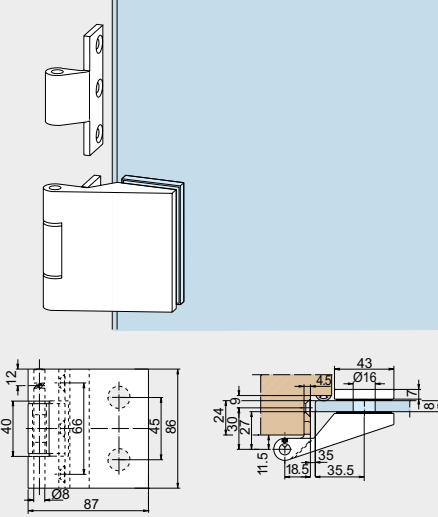
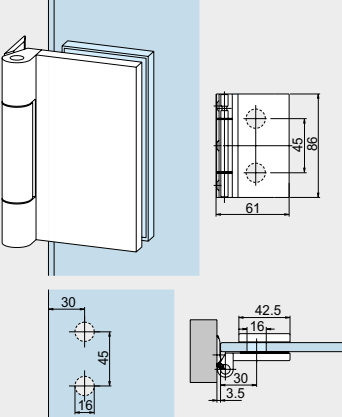
	Product description	Art. No.
	<p>Hinge for frame pivot complete with sleeve, zinc plated steel pin, door weight max. 55 kg</p> <p>Weight in kg: Aluminum 0.358</p>	<p>11.288</p>
	<p>Hinge for frame pivot complete with sleeve, to suit rebate depth 40 mm, door weight max. 45 kg</p> <p>Weight in kg: Aluminum 1.111</p>	<p>11.295</p>
	<p>Hinge for frame pivot complete with sleeve and ball bearing, door weight max. 60 kg</p> <p>Weight in kg: Aluminum 0.385</p>	<p>11.292</p>
	<p>Hinge with frame pivot complete with sleeve, to suit rebate depth 40 mm, with steel ball bearing, door weight max. 45 kg</p> <p>Weight in kg: Aluminum 1.100</p>	<p>11.296</p>

Hinges with frame pivots

For 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp., max. door width 1,000 mm.

	Product description	Art. No.
	<p>Hinge with frame pivot complete with sleeve, with steel ball bearing, door weight max. 45 kg</p> <p>Weight in kg: Aluminum 0.417</p>	<p>11.289</p>
	<p>Hinge with frame pivot for wooden frames, for steel frames, complete with sleeve, steel ball bearing, door weight max. 60 kg</p> <p>Weight in kg: Aluminum 0.407</p>	<p>11.290</p>
 	<p>Hinge with frame pivot for steel frames with 120 mm type frame pocket, complete with sleeve, steel ball bearing, door weight max. 60 kg,</p> <p>Weight in kg: Aluminum 0.451</p>	<p>11.293</p>
 	<p>Hinge for project doors with 160 mm type frame portion (reception element for example VN 7608/160 3D or VZK 060-1/3, or equivalent – not included in scope of delivery), stainless steel pin, plastic slide bearing, door weight max. 70 kg, door width max. 1,200 mm</p> <p>do. for 40 mm rebate depth, door weight max. 45 kg</p> <p>Weight in kg: Aluminum 0.519</p>	<p>11.291</p> <p>11.341 (not illustr.)</p>

For 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp., max. door width 1,000 mm.

	Product description	Art. No.
	<p>Hinge with frame pivot for wooden frames, hinge flap for mortising into frame, zinc plated steel pin, plastic bushing, door weight max. 55 kg, door width max. 1,000 mm</p> <p>Weight in kg: Aluminum 0.425</p>	<p>11.342</p>
	<p>Hinge with frame pivot for non-rebated frames, hinge flap for screwing onto frame, stainless steel pin, plastic bushing, door weight max. 55 kg, door width max. 1,000 mm</p> <p>Weight in kg: Aluminum 0.230</p>	<p>12.091</p>

Content

OFFICE Arcos

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OFFICE Arcos

Locks for levers with roses

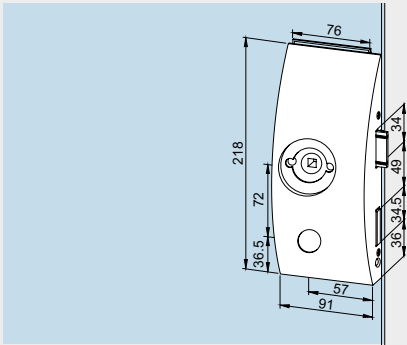
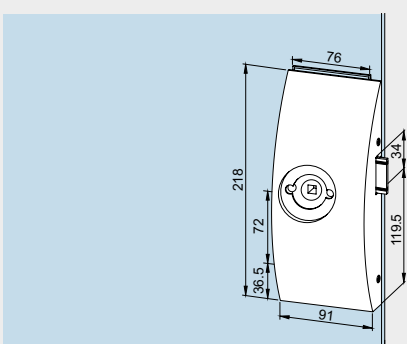
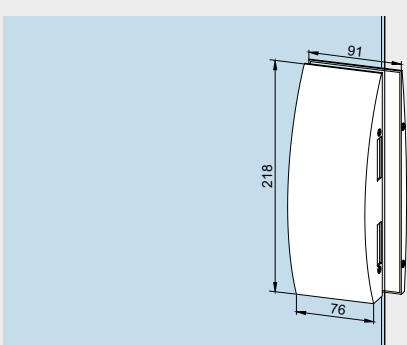
Complying to the current DIN EN 12209, successfully tested during extended type testing.

Locks supplied as standard for 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp..

- Lock insert with low-noise "whisper" functionality as standard. The whisper latch (study metal latch – partially plastics-sheathed and damped latch motions for noise minimisation) satisfy particularly high expectations, including the requirements of government agencies and public authorities.
- Adjustable lever handle follower (+ / - 1°), patent pending, for avoidance of "lever handle sag" (droop). Further on a special spring supported clamp follower holds the lever handle perfectly secure.

- The fully closed lock case provides optimum protection for the internal components which themselves are of rugged unit construction.
- Locks comply to the current DIN EN 12209. They are designed for use in public buildings.
- Moreover these locks were tested successfully by a neutral testing institute with 500,000 latch and 100,000 locking bolt operating cycles.
- Special versions of the fitting manufactured in high-grade corrosion-resistant materials are available for wet room applications.

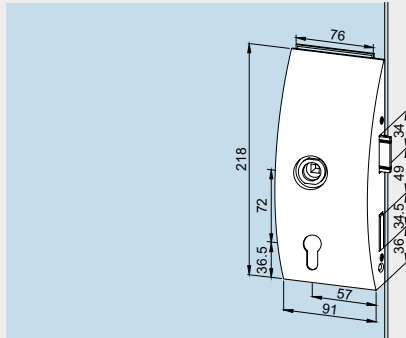
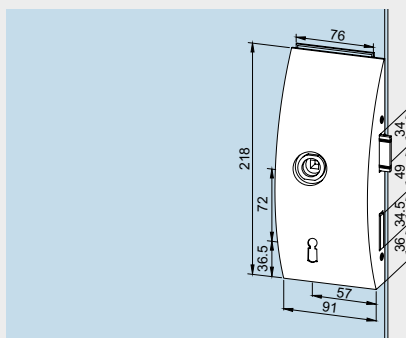
	Product description	Art. No.
	<p>Lock prepared for Europrofile cylinder, nightlatch function</p> <p>Weight in kg: Aluminum 1.214</p>	<p>25.200 L 25.201 R (not illustr.)</p>
	<p>Lock lever lock, without nightlatch function, 2 keys supplied</p> <p>Weight in kg: Aluminum 1.115</p>	<p>25.202 L 25.203 R (not illustr.)</p>

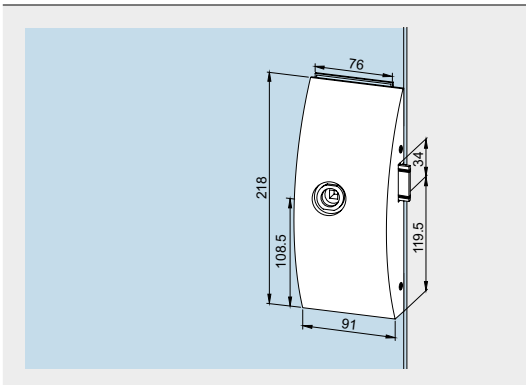
	Product description	Art. No.
	<p>Lock prepared for KABA, nightlatch function</p> <p>Weight in kg: Aluminum 1.075</p>	<p>25.240 L 25.241 R (not illustr.)</p>
	<p>Lock non-locking</p> <p>Weight in kg: Aluminum 1.040</p>	<p>25.208 L 25.209 R (not illustr.)</p>
	<p>Strike box for OFFICE Arcos locks, extended colour options</p> <p>Weight in kg: Aluminum 1.019</p>	<p>25.206 L 25.207 R (not illustr.)</p>

Locks with follower

Complying to the current DIN EN 12209, successfully tested during extended type testing (see page 82).

Locks supplied as standard for 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp.

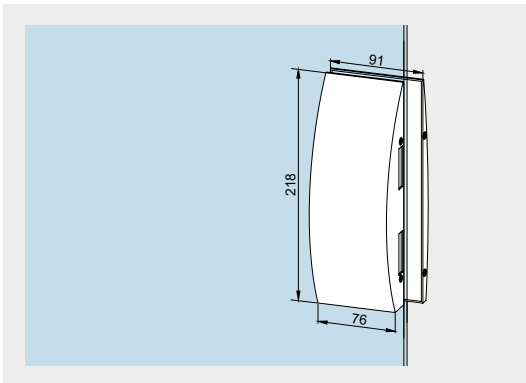
	Product description	Art. No.
	<p>Lock prepared for Europrofile cylinder, nightlatch function</p> <p>Weight in kg: Aluminum 1.165</p>	<p>25.260 L 25.261 R (not illustr.)</p>
	<p>Lock lever lock, without nightlatch function, 2 keys supplied</p> <p>Weight in kg: Aluminum 1.115</p>	<p>25.262 L 25.263 R (not illustr.)</p>

Product description**Art. No.**

Lock
non-locking

Weight in kg:
Aluminum 1.040

25.264 L
25.265 R
(not illustr.)



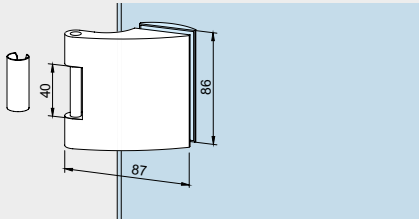
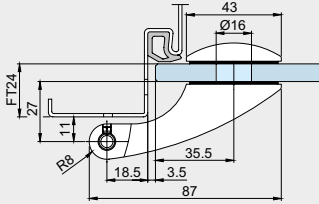
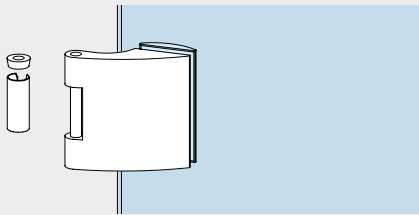
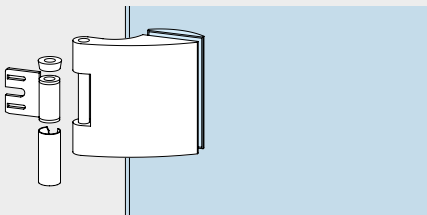
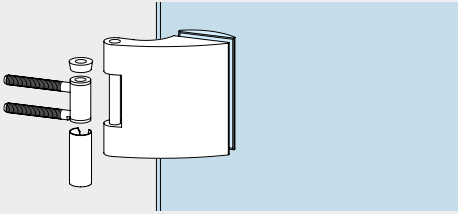
Strike box
for OFFICE Arcos locks,
extended colour options

Weight in kg:
Aluminum 0.945

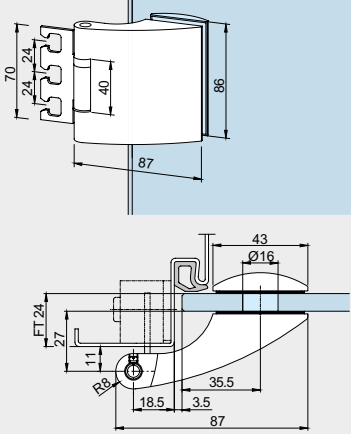
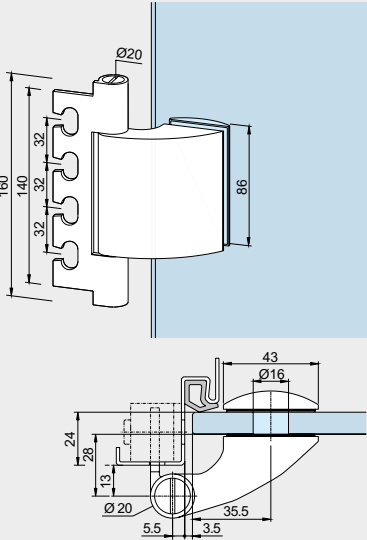
25.206 L
25.207 R
(not illustr.)

Hinges

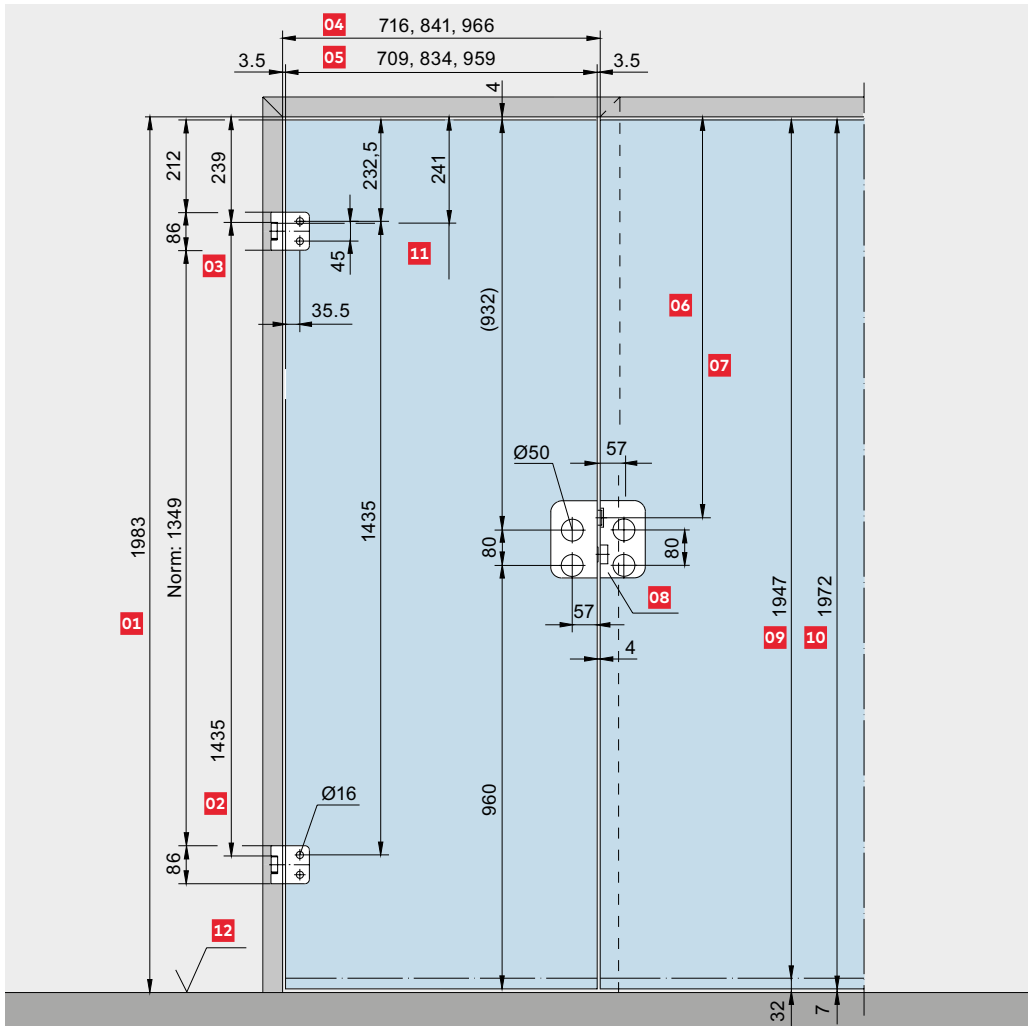
For 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp., max. door width 1,000 mm.

	Product description	Art. No.
	<p>Hinge for frame pivot complete with sleeve, zinc plated steel pin, door weight max. 55 kg</p> <p>Weight in kg: Aluminum 0.358</p>	25.230
		<p>Hinge for frame pivot complete with sleeve, to suit rebate depth 40 mm, door weight max. 45 kg</p> <p>Weight in kg: Aluminum 1.111</p>
	<p>Hinge for frame pivot complete with sleeve and ball bearing, door weight max. 55 kg</p> <p>Weight in kg: Aluminum 0.385</p>	25.234
	<p>Hinge for frame pivot complete with sleeve, to suit rebate depth 40 mm with steel ball bearing, door weight max. 45 kg</p> <p>Weight in kg: Aluminum 1.100</p>	25.244
	<p>Hinge with frame pivot for steel frames, complete with sleeve, steel ball bearing, door weight max. 60 kg</p> <p>Weight in kg: Aluminum 0.423</p>	25.231
	<p>Hinge with frame pivot for wooden frames with sleeve, steel ball bearing, door weight max. 60 kg</p> <p>Weight in kg: Aluminum 0.407</p>	25.232

For 8 mm glass thickness / 24 mm rebate depth, 10 mm glass thickness / 26 mm rebate depth resp., max. door width 1,000 mm.

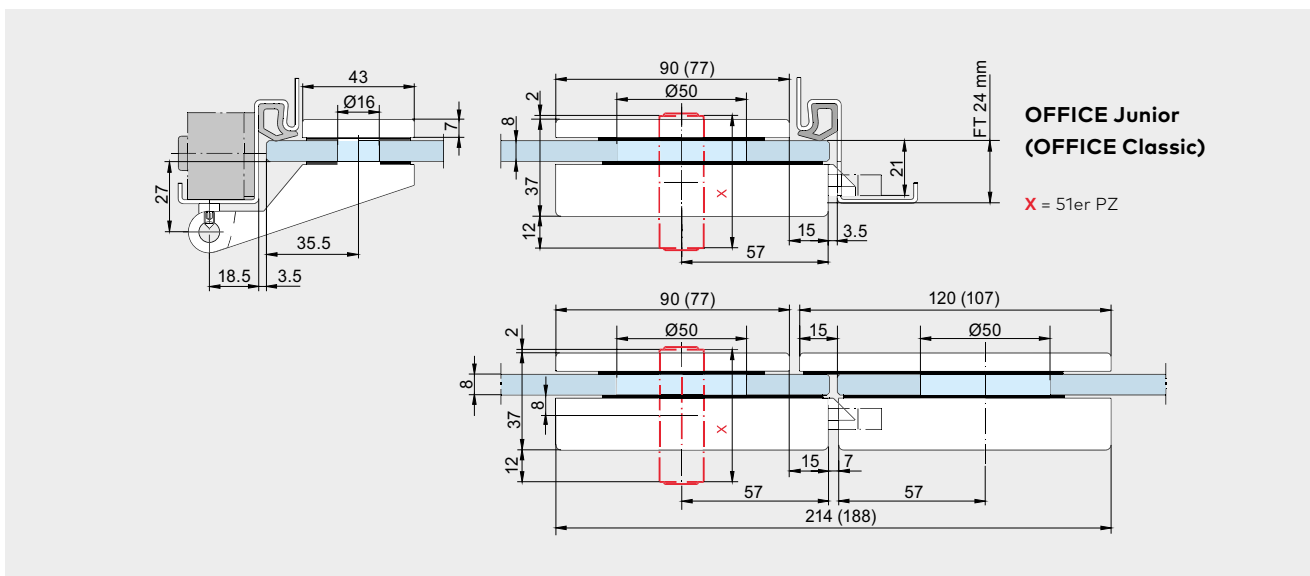
	Product description	Art. No.
	<p>Hinge with frame pivot for steel frames with 120 mm type frame pocket, complete with sleeve, steel ball bearing, door weight max. 60 kg,</p> <p>Weight in kg: Aluminum 0.435</p>	<p>25.247</p>
	<p>Hinge for project doors with 160 mm type frame pocket (mating portion e.g. VN 7608/160 3D or VZK 060-1/3, or equiva- lent), stainless steel pin, KS-slide bearing door weight max. 70 kg, door width max. 1,200 mm</p> <p>Weight in kg: Aluminum 0.519</p> <p>do. for 40 mm rebate depth</p> <p>Weight in kg: Aluminum 0,519</p>	<p>25.233</p> <p>25.340 (not illustr.)</p>

Construction dimensions for frame pivots OFFICE Junior / OFFICE Classic

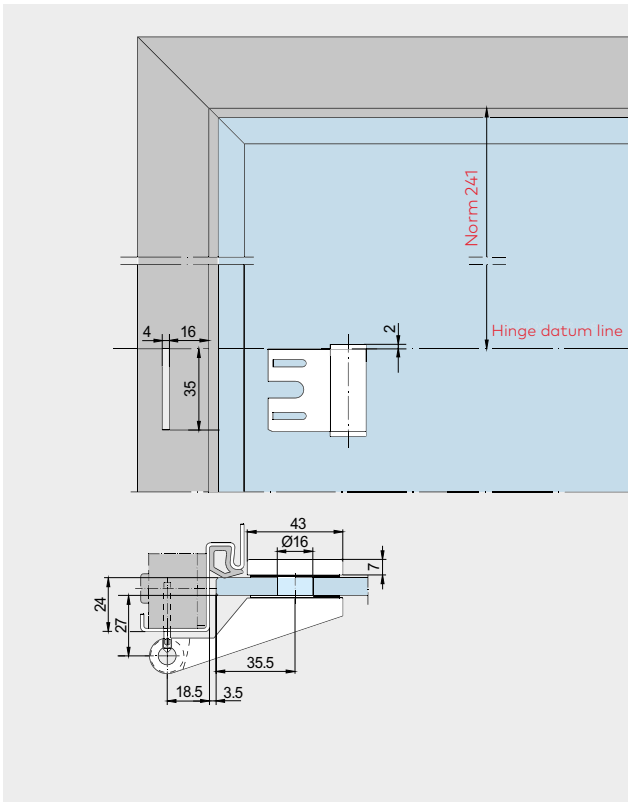


- 01** Frame rebate height
- 02** Standard hinge support to DIN 18 111
- 03** Standard hinge support
- 04** Frame rebate width
- 05** Glass width
- 06** Centre lock bolt
- 07** Usually 908 mm for doors 1,972 mm high
- 08** Strike box
- 09** Glass height (type S)
- 10** Glass height (type N)
- 11** Hinge datum line to DIN 18 268
- 12** Finished floor level (FFL)

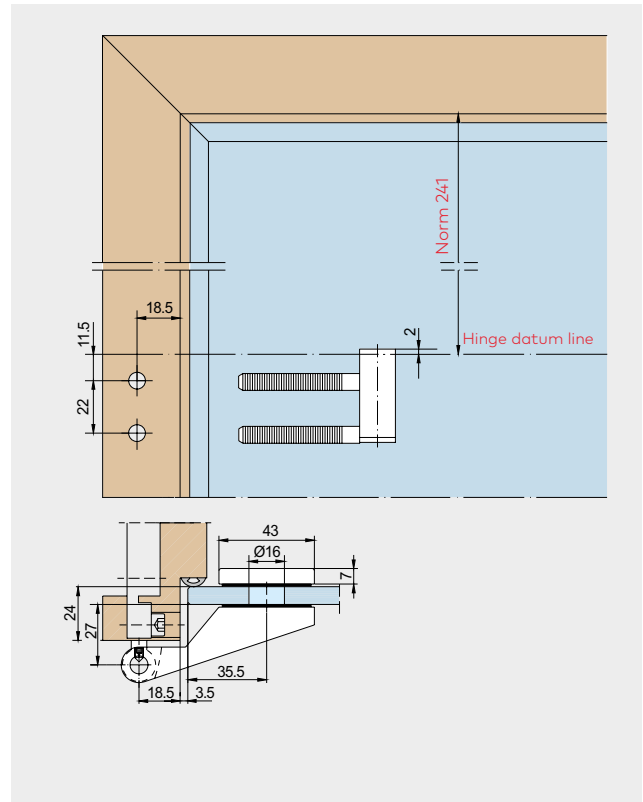
Section OFFICE Junior / OFFICE Classic



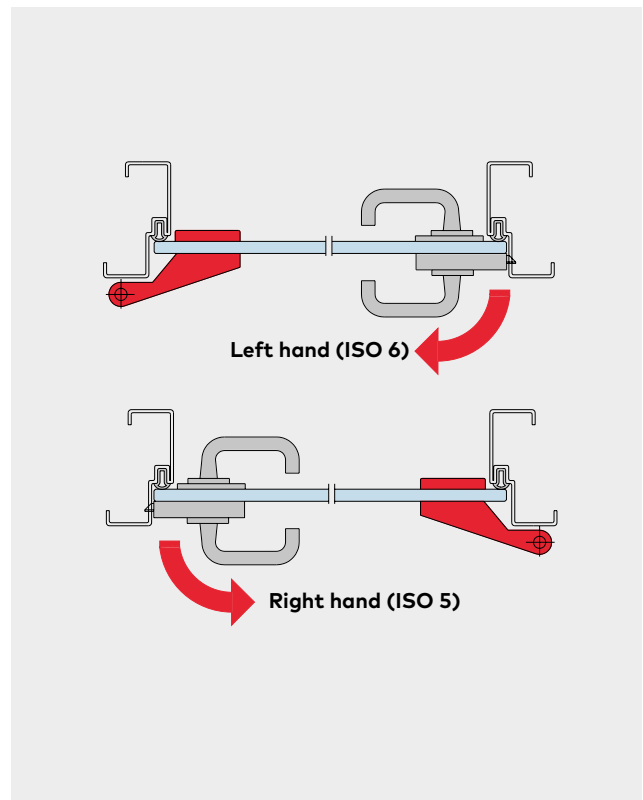
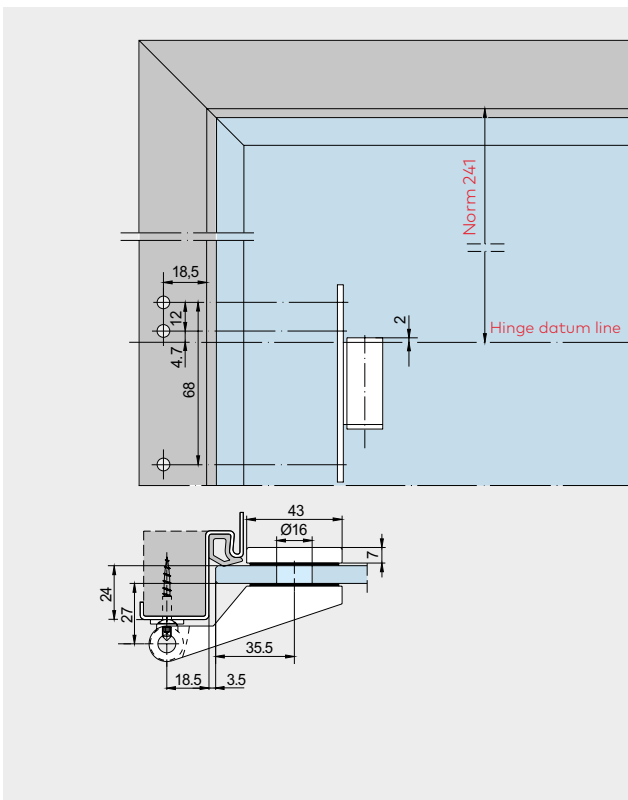
Frame pivots for steel frames



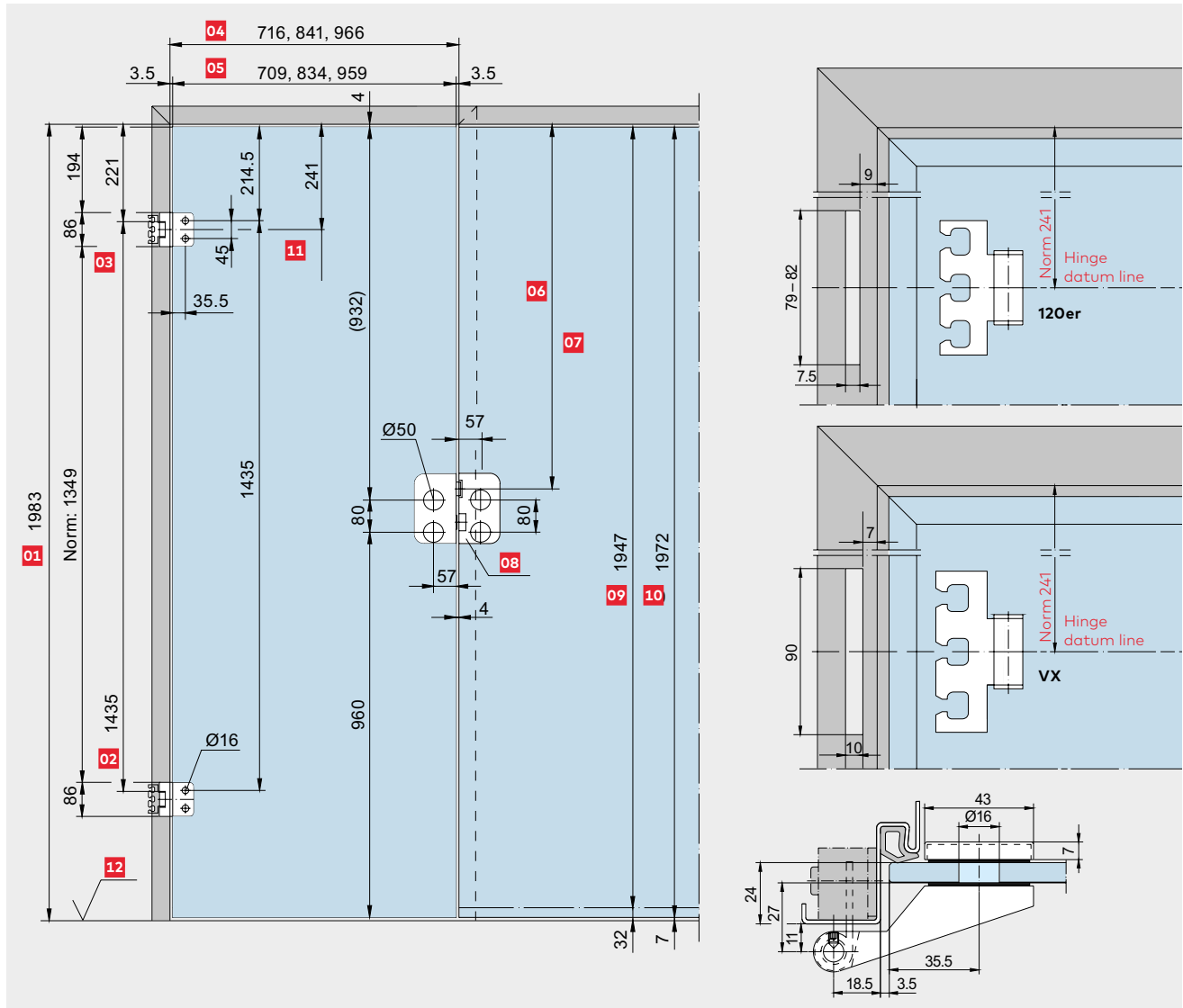
Frame pivots for wooden frames



Screw on frame pivot

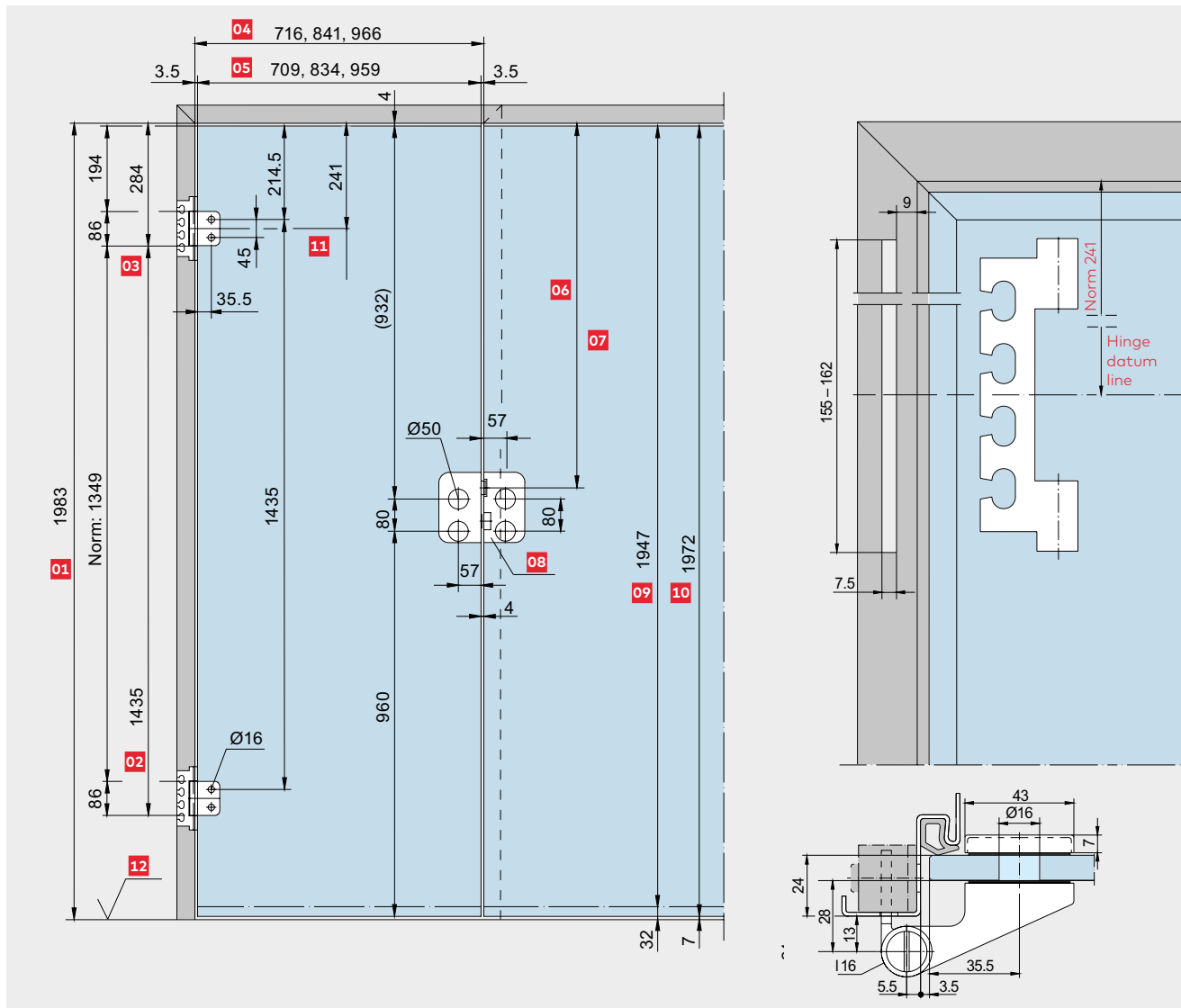


Frame pivot for 120 mm type frame pocket and VX frame pocket



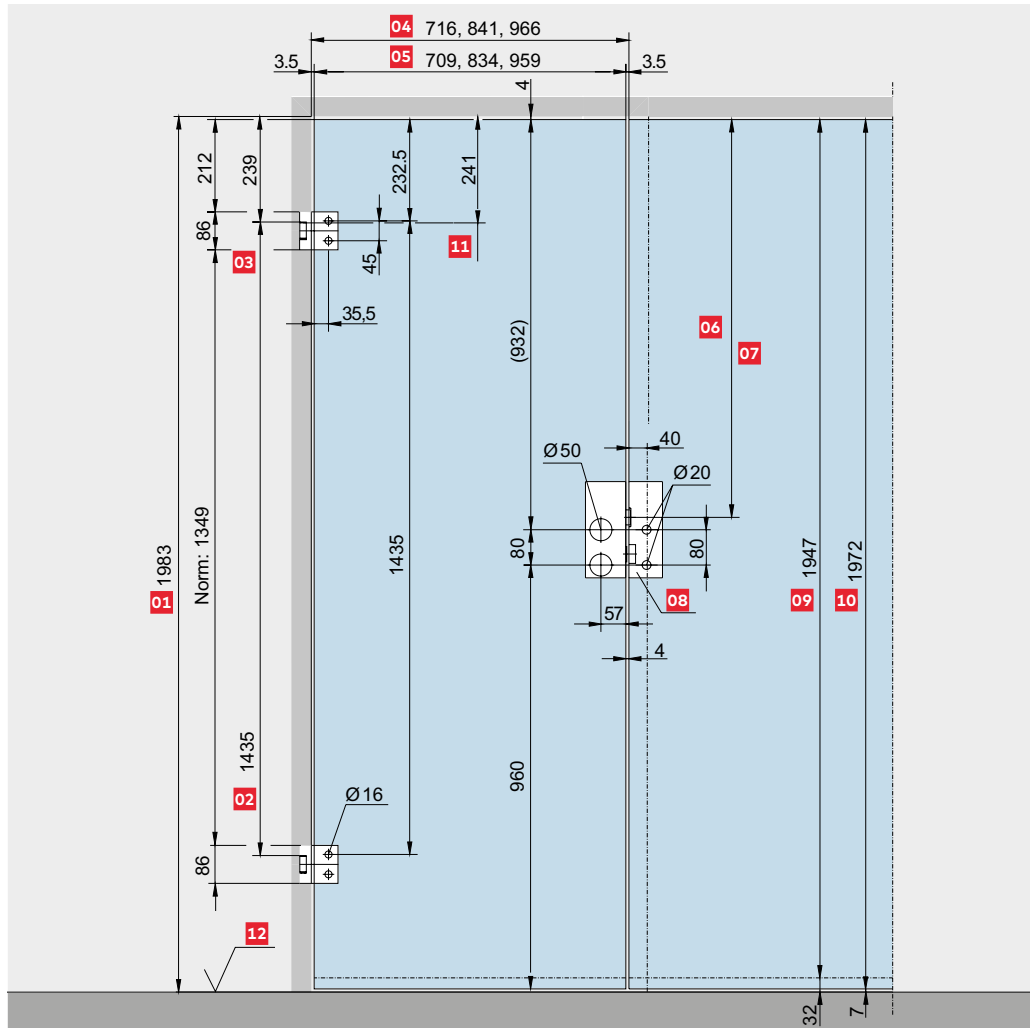
- | | | |
|---------------------------------------------------|-----------------------------------------------------|---------------------------------------------|
| 01
Frame rebate height | 05
Glass width | 09
Glass height (type S) |
| 02
Standard hinge support to DIN 18 111 | 06
Centre lock bolt | 10
Glass height (type N) |
| 03
Standard hinge support | 07
Usually 908 mm for doors 1,972 mm high | 11
Hinge datum line to DIN 18 268 |
| 04
Frame rebate width | 08
Strike box | 12
Finished floor level (FFL) |

Frame pivot for 160 mm type frame pocket



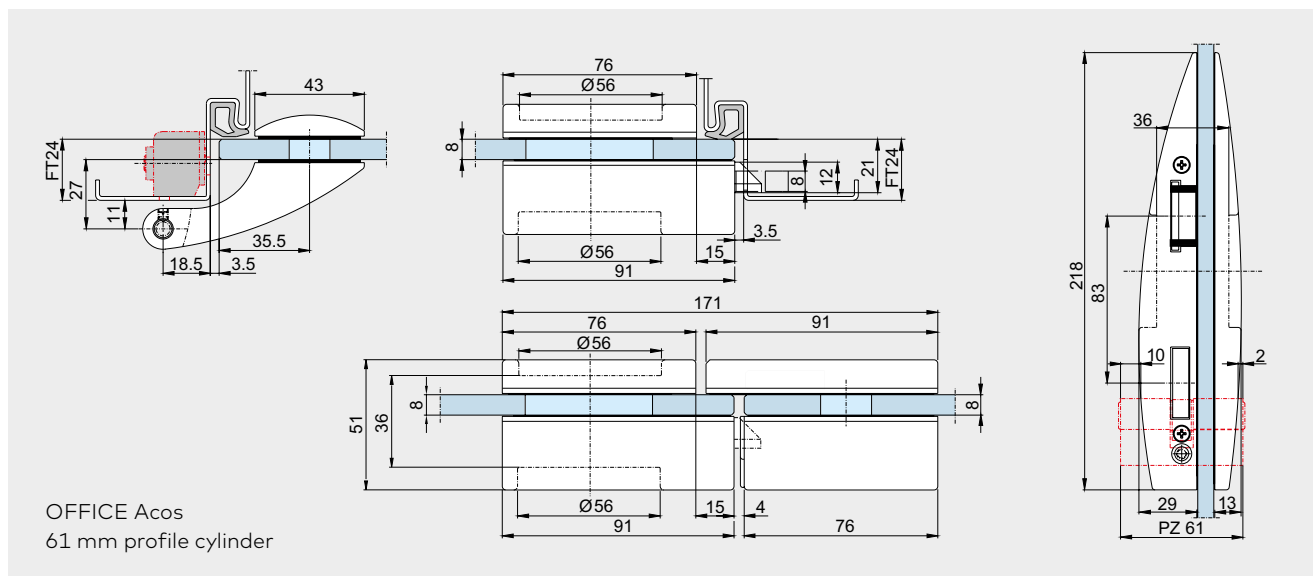
01 Frame rebate height	05 Glass width	09 Glass height (type S)
02 Standard hinge support to DIN 18 111	06 Centre lock bolt	10 Glass height (type N)
03 Standard hinge support	07 Usually 908 mm for doors 1,972 mm high	11 Hinge datum line to DIN 18 268
04 Frame rebate width	08 Strike box	12 Finished floor level (FFL)

Construction details for frame pivots OFFICE Arcos

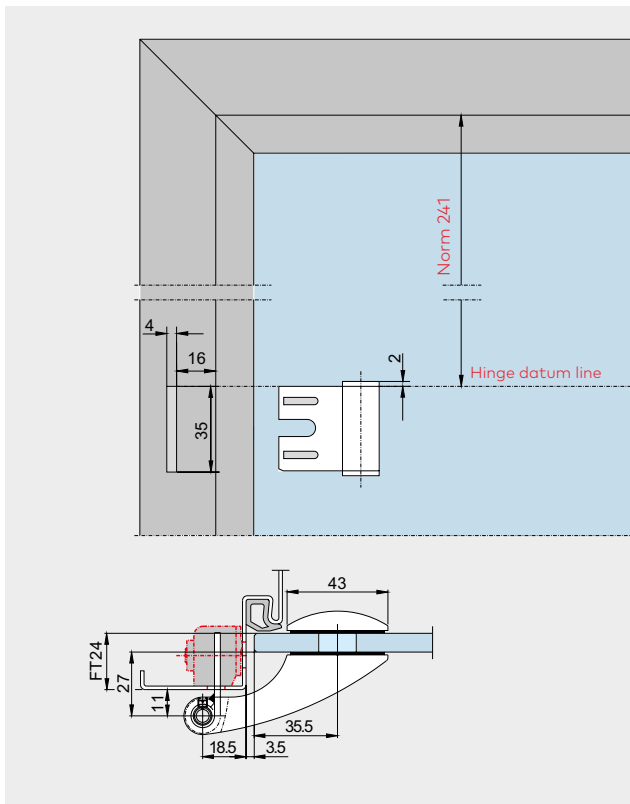


- 01** Frame rebate height
- 02** Standard hinge support to DIN 18 111
- 03** Standard hinge support
- 04** Frame rebate width
- 05** Glass width
- 06** Centre lock bolt
- 07** Usually 908 mm for doors 1,972 mm high
- 08** Strike box
- 09** Glass height (type S)
- 10** Glass height (type N)
- 11** Hinge datum line to DIN 18 268
- 12** Finished floor level (FFL)

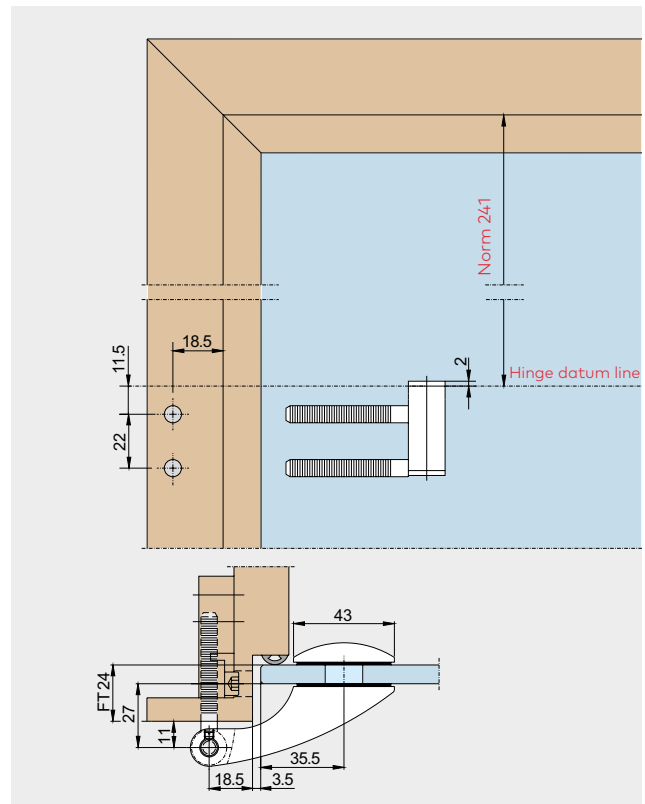
Section OFFICE Arcos



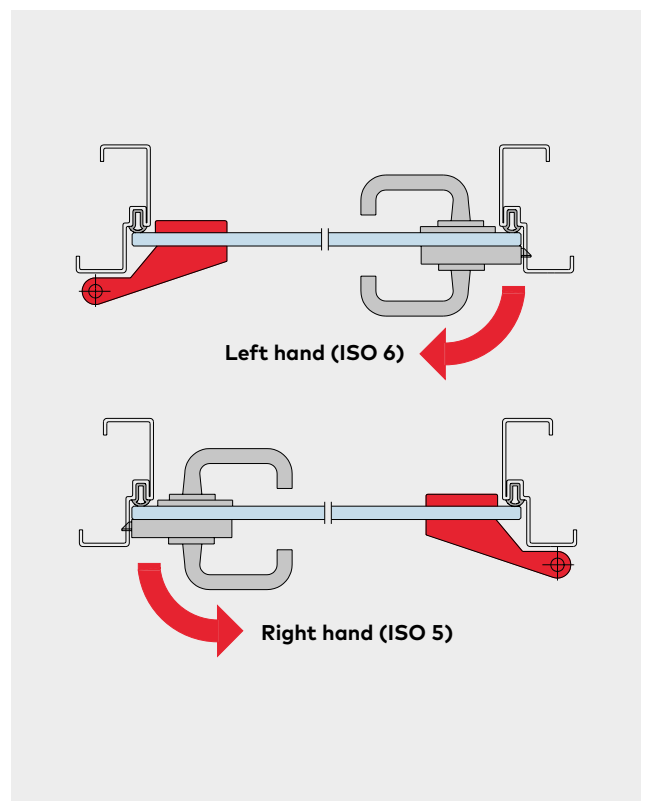
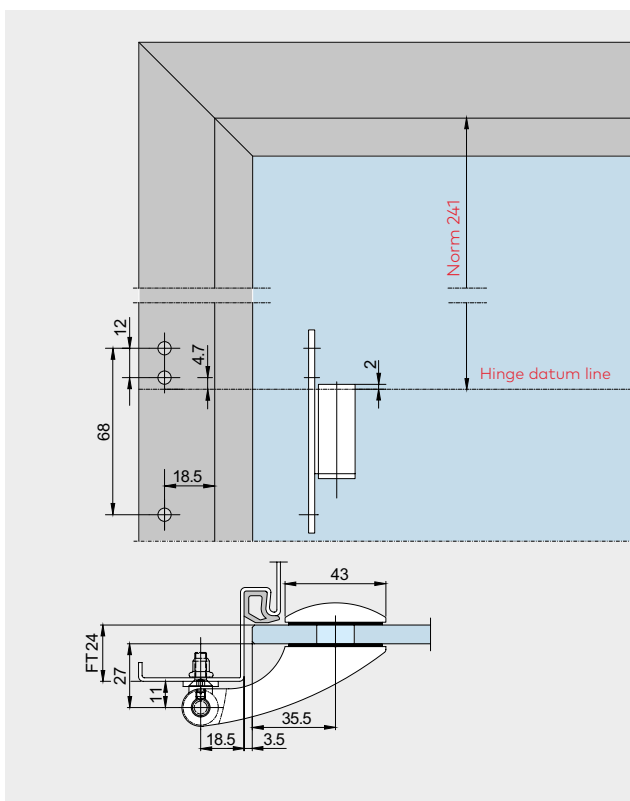
Frame pivot for steel frames



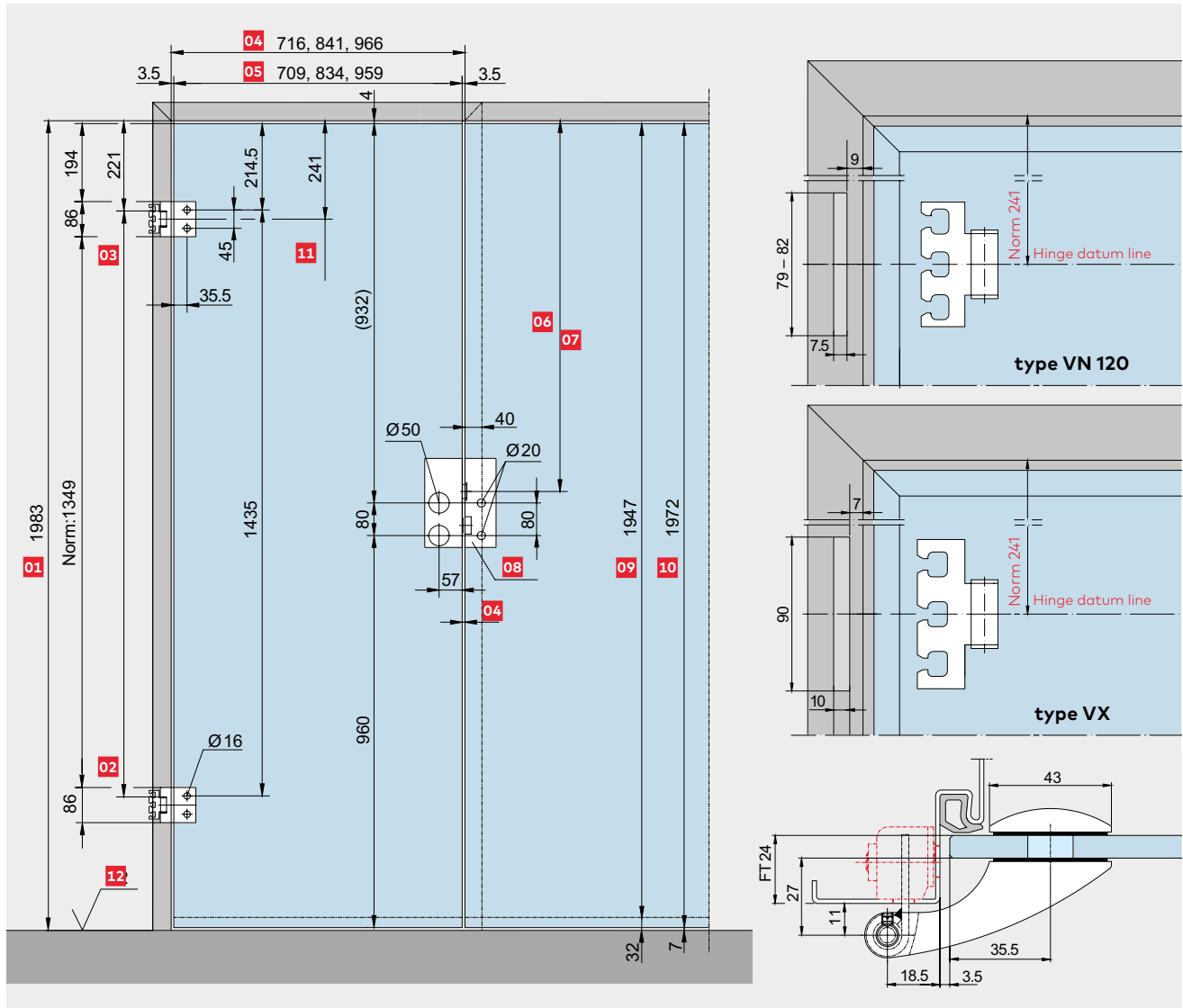
Frame pivot for wooden frames



Screw on frame pivot

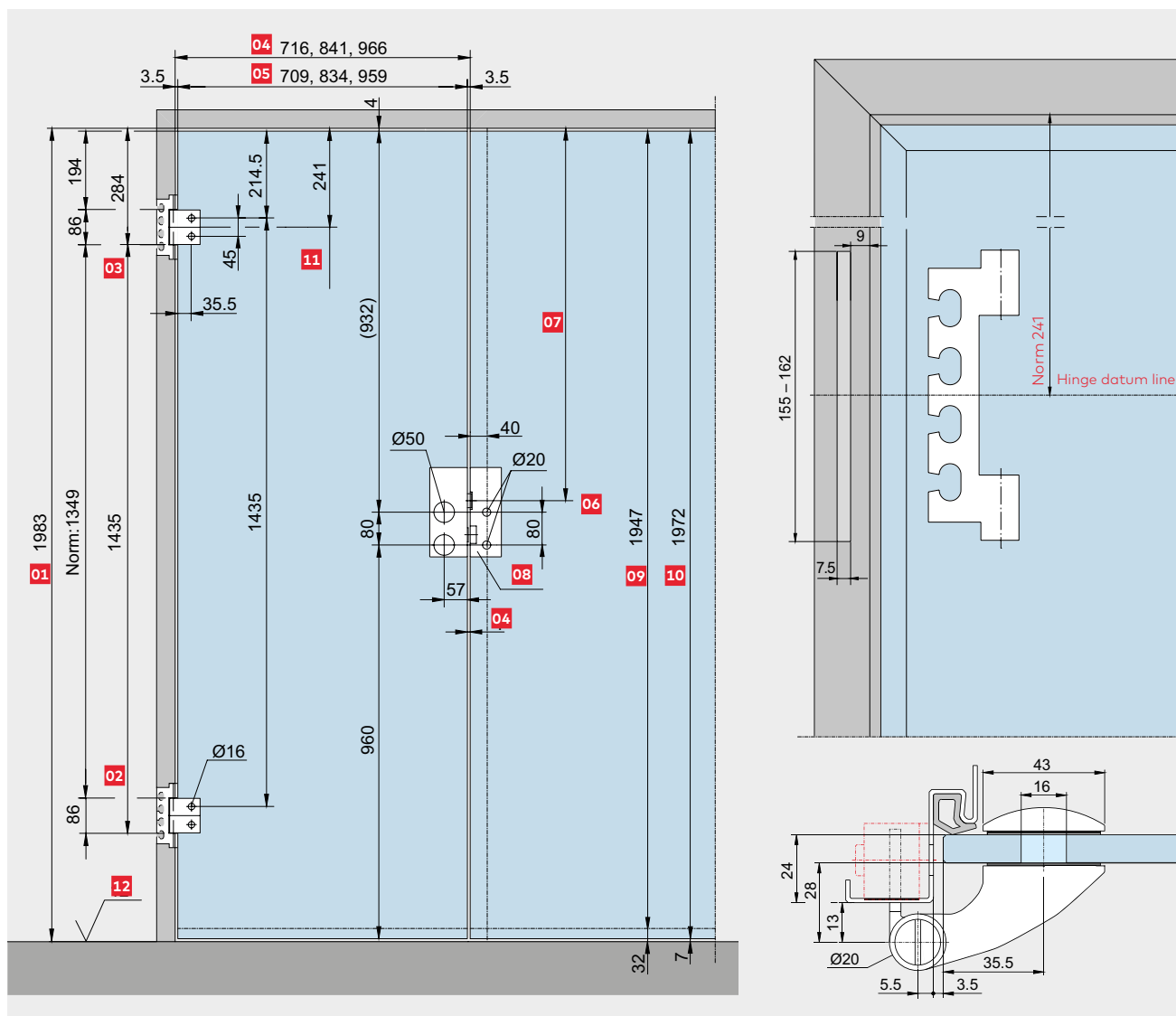


Frame pivot for frame pocket type VN 120 / type VX



- | | | |
|---------------------------------------------------|-----------------------------------------------------|---------------------------------------------|
| 01
Frame rebate height | 05
Glass width | 09
Glass height (type S) |
| 02
Standard hinge support to DIN 18 111 | 06
Centre lock bolt | 10
Glass height (type N) |
| 03
Standard hinge support | 07
Usually 908 mm for doors 1,972 mm high | 11
Hinge datum line to DIN 18 268 |
| 04
Frame rebate width | 08
Strike box | 12
Finished floor level (FFL) |

For frame pocket type VN 160



- | | | |
|---------------------------------------------------|-----------------------------------------------------|---------------------------------------------|
| 01
Frame rebate height | 05
Glass width | 09
Glass height (type S) |
| 02
Standard hinge support to DIN 18 111 | 06
Centre lock bolt | 10
Glass height (type N) |
| 03
Standard hinge support | 07
Usually 908 mm for doors 1,972 mm high | 11
Hinge datum line to DIN 18 268 |
| 04
Frame rebate width | 08
Strike box | 12
Finished floor level (FFL) |

Content

Special hinges

100 **Components**

179 **Safety-related information**



Special hinges

Stainless steel hinge for internal glass doors

for 8 mm and 10 mm glass.

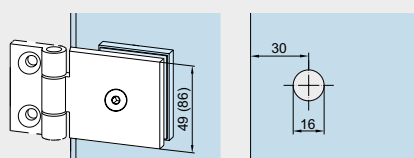
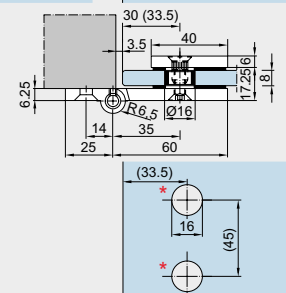
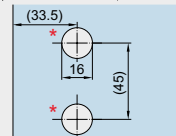
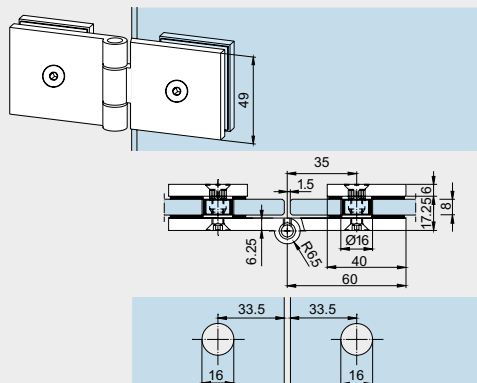
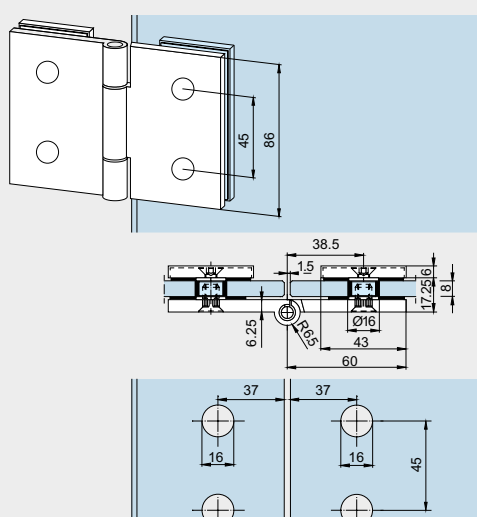
For 8 mm glass thickness / 24 mm rebate depth,
10 mm glass thickness / 26 mm rebate depth resp.,
max. door width 1,000 mm.

Hinges meet highest corrosion resistance
(EN 1670, class 4)

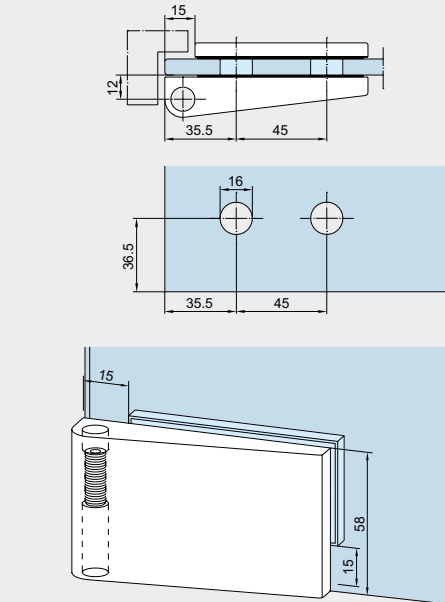
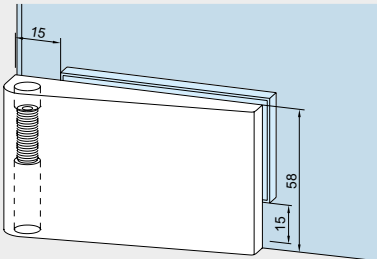
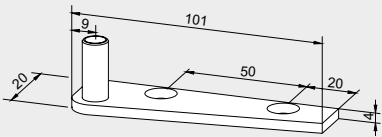
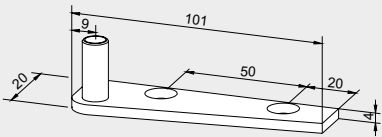
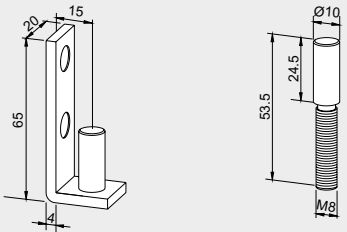
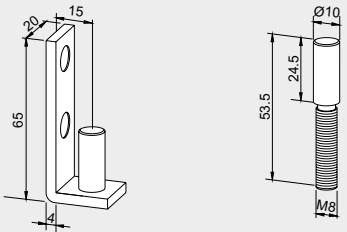
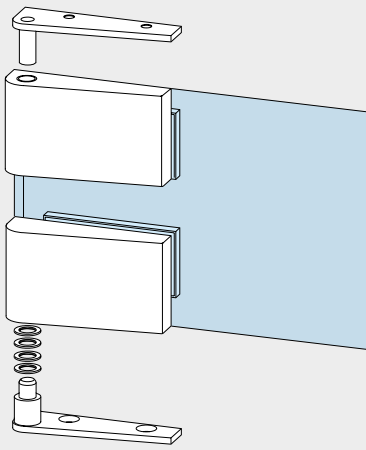
Versions with rounded angles also available
on request.

	Product description	Art. No.
	<p>Stainless steel hinge for frame pivot with stainless steel sleeve, stainless steel pin, door weight max. 55 kg</p> <p>Weight in kg: Stainless steel 0.332 variant for 80 kg door weight available on request</p>	<p>11.500</p>
	<p>Stainless steel hinge for frame pivot for rebate depth 40 mm, with stainless steel sleeve, stainless steel pin, door weight max. 45 kg</p> <p>Weight in kg: Stainless steel 0.371 variant for 80 kg door weight available on request</p> <p>Please note: Applications / glass preparation like OFFICE Classic (see page 88). Frame pivots on page 106.</p>	<p>11.502 (not illustr.)</p>

Hinges for 8 mm glass thickness

	Product description	Art. No.
	<p>Screw-on hinge without covers 49 mm, stainless steel pin, plastic bushing, door weight max. 30 kg</p> <p>Weight in kg: Aluminum 0.130</p>	<p>12.010</p>
	<p>Screw-on hinge with 3 covers 49 mm, stainless steel pin, plastic bushing, door weight max. 30 kg</p> <p>Weight in kg: Aluminum 0.152</p>	<p>12.011 (not illustr.)</p>
	<p>Screw-on hinge with cover for clamping plate, 86 mm, stainless steel pin, plastic bushing, door weight max. 45 kg</p> <p>Weight in kg: Aluminum 0.215</p>	<p>12.012 (not illustr.)</p>
	<p>Double hinge without covers 49 mm, stainless steel pin, plastic bushing, door weight max. 30 kg</p> <p>Weight in kg: Aluminum 0.208</p>	<p>12.030</p>
	<p>Double hinge with 4 covers 49 mm, stainless steel pin, plastic bushing, door weight max. 30 kg</p> <p>Weight in kg: Aluminum 0.243</p>	<p>12.031 (not illustr.)</p>
	<p>Double hinge with covers for clamping plates, 86 mm, stainless steel pin, plastic bushing, door weight max. 45 kg</p> <p>Weight in kg: Aluminum 0.344</p>	<p>12.032</p>

Corner hinges for 8 mm and 10 mm glass thickness

	Product description	Glass thickness	Art. No.
	<p>Corner hinges, pairs with free glass edge on top resp. underneath and at side, height adjustable, extended colour options, door weight max. 35 kg</p> <p>Weight in kg: Aluminum 0.130 Brass 1.006</p>	<p>8 mm 10 mm</p>	<p>12.001 12.009</p>
	<p>Pair of floor and top pivot for corner hinges, brass satin chromed, stainless steel pin</p> <p>Weight in kg: 0.182</p>		<p>12.016</p>
	<p>Piece of floor socket / top pivot left bottom / top right</p> <p>Weight in kg: 0.091</p>		<p>12.014</p>
	<p>Piece of floor socket / top pivot right bottom / top left</p> <p>Weight in kg: 0.091</p>		<p>12.015</p>
	<p>Frame fixed pivot for corner hinges 12.001 and 12.009, brass satin chromed, stainless steel pin</p> <p>Weight in kg: stainless steel 0.132</p>		<p>12.003*</p>
	<p>Screw-in pivot stainless steel</p> <p>Weight in kg: stainless steel 0.048</p>		<p>12.004*</p>
	<p>Set of corner hinges for 8 and 10 mm glass thickness with free glass edge on top resp. underneath and at side (glass preparation like Art. No. 12.001)</p> <p>Consisting of 1 floor pivot, 1 bottom corner hinge (height adjustable), 1 top pivot, 1 top corner hinge, door weight max. 80 kg door width max. 1,100 mm</p> <p>Weight in kg: Aluminum 0.825</p>		<p>12.040 L 12.041 R (not illustr.)</p>

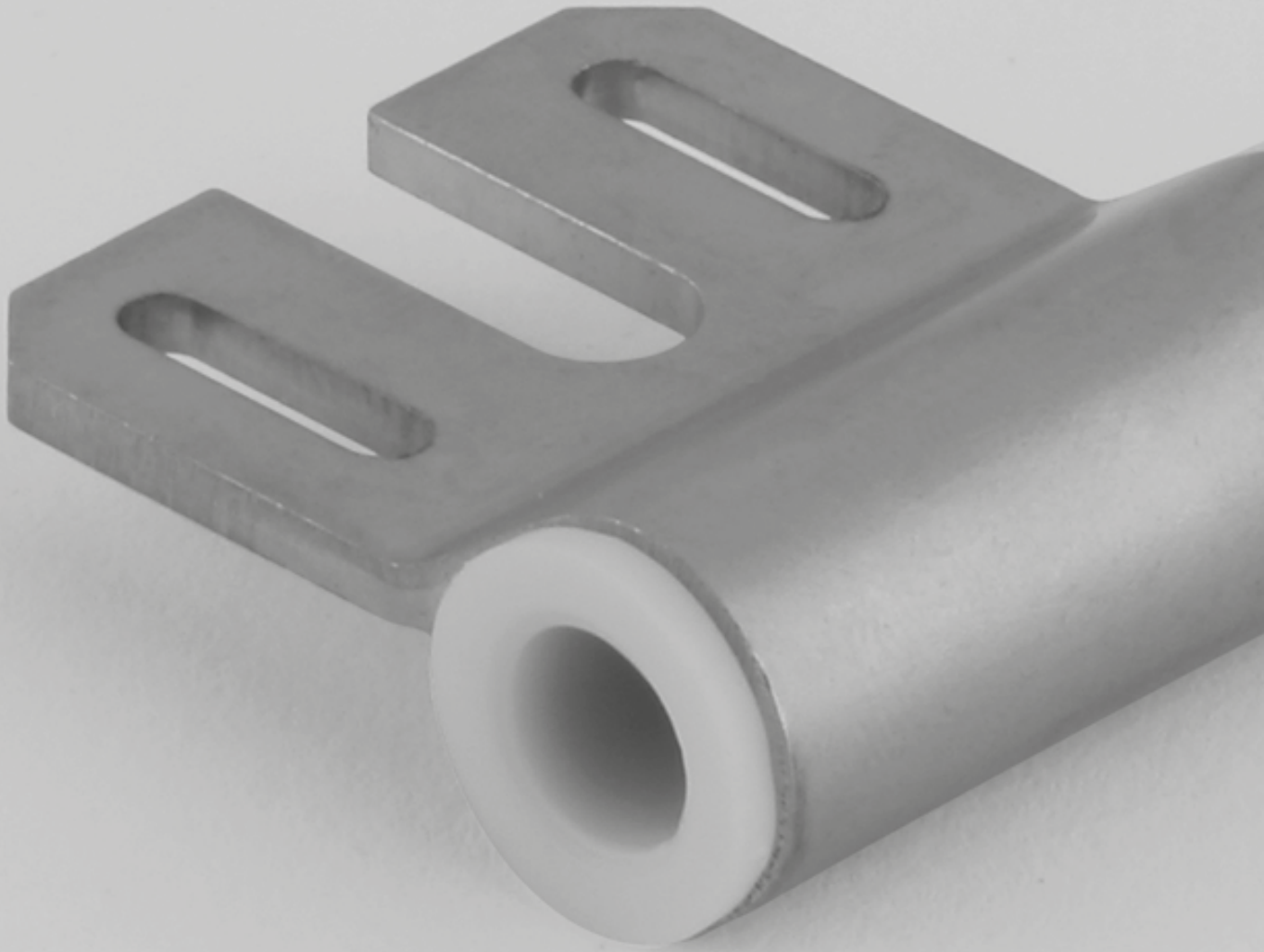
* Cannot be combined with corner hinges 12.040/12.041.

Space for your notes

Content

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111	Door rails for internal doors
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Accessories

Frame pivots for STUDIO

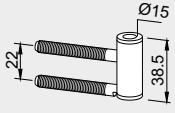
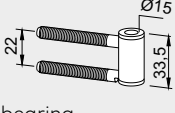
	Product description	Art. No.
	<p>Frame pivot for steel frames with extra enhanced pivot pin for Studio hinges, zinc plated steel, plastic coated pivot pin</p> <p>Weight in kg: 0.078</p>	10.423
	<p>Frame pivot for wooden frames with extra enhanced pivot pin for Studio hinges, zinc plated steel, plastic coated pivot pin</p> <p>Weight in kg: 0.090</p>	10.424
	<p>Screw-on frame pivot with extra enhanced pivot pin for Studio hinges, zinc plated steel, plastic coated pivot pin</p> <p>Weight in kg: 0.094</p>	10.407

Frame pivots for OFFICE

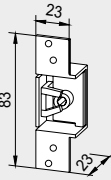
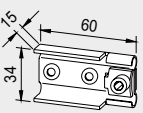
	Product description	Art. No.
	<p>Screw-on frame pivot zinc plated steel, plastic bushing, door weight max. 55 kg</p> <p>Weight in kg: 0.047</p> <p>Please note: not usable with Art. No. 11.230 with finish satin stainless steel (Niro S 700 ST) (700)</p>	11.405
<p>for steel ball bearing</p>	<p>Screw-on frame pivot zinc plated steel, for steel ball bearing, plastic bushing, door weight max. 55 kg</p> <p>Weight in kg: 0.046</p> <p>Please note: not usable with Art. No. 11.234 with finish satin stainless steel (Niro S 700 ST) (700)</p>	11.406

	Product description	Art. No.
	<p>Frame pivot for 120 mm type VN-frame pocket (reception element for example VN 7608/120 3D, or equivalent) stainless steel, door weight max. 55 kg</p> <p>Weight in kg: 0.071</p>	11.308
<p>for steel ball bearing</p> 	<p>Frame pivot for 120 mm type VN-frame pocket (reception element for example VN 7608/120 3D, or equivalent) stainless steel, for steel ball bearing, door weight max. 60 kg</p> <p>Weight in kg: 0.048</p>	11.248
	<p>Frame pivot for VX-frame pocket (reception element for example VX 7501 3D, or equivalent) stainless steel, plastic bushing, for all VX-mating portions, door weight max. 55 kg</p> <p>Weight in kg: 0.060</p>	11.304
<p>for steel ball bearing</p> 	<p>Frame pivot for VX-frame pocket (reception element for example VX 7501 3D, or equivalent) stainless steel, for steel ball bearing, for all VX-mating portions, door weight max. 60 kg</p> <p>Weight in kg: 0.050</p>	11.305
	<p>Frame pivot for steel frames (reception element for example VN 8600, or equivalent) zinc plated steel, plastic bushing</p> <p>Weight in kg: 0.040</p>	11.309
	<p>Frame pivot for steel frames stainless steel, plastic bushing panel weight max. 55 kg</p> <p>Weight in kg: 0.045</p>	11.307
<p>for steel ball bearing</p> 	<p>Frame pivot for steel frames (reception element for example VN 8600, or equivalent) zinc plated steel, for steel ball bearing, door weight max. 60 kg</p> <p>Weight in kg: 0.035</p>	11.235
	<p>Frame pivot for 160 frame pocket (reception element for example VN 7608/160 3D, or equivalent) Satin stainless steel for door hinge 11.230, 11.288, 25.230, Panel weight max. 55 kg</p> <p>Weight in kg: 0.056</p>	11.249

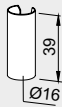


Frame pivots for OFFICE

	Product description	Art. No.
	<p>Frame pivot for wooden frames zinc plated steel, plastic bushing panel weight max. 55 kg</p> <p>Weight in kg: 0.055</p>	11.310
 <p>for steel ball bearing</p>	<p>Frame pivot for wooden frames zinc plated steel, for steel ball bearing, door weight max. 60 kg</p> <p>Weight in kg: 0.050</p>	11.236

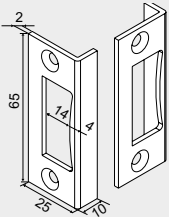
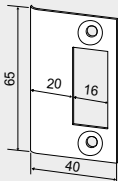
Frame pocket

	Product description	Art. No.
	<p>Frame pocket for steel frame zinc plated steel</p> <p>Weight in kg: 0.073</p>	10.406
	<p>Frame pocket for wooden frame zinc plated steel</p> <p>Weight in kg: 0.060</p>	10.405

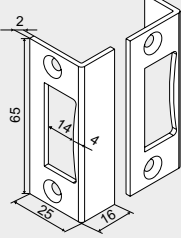
Push on sleeves

	Product description	Art. No.
	Push-on sleeve for frame pivots Art. No. 11.307 11.309 11.310 11.405 Weight in kg: Aluminum 0.002	11.311
 for steel ball bearing	Push-on sleeve for frame pivots Art. No. 11.235 11.236 Weight in kg: Aluminum 0.002	11.006
	Push-on sleeve for STUDIO frame pivots Art. No. 10.400 10.404 10.407 Weight in kg: Aluminum 0.002 Aluminum 0.006	10.408

Strike plates

	Product description	Weight / kg	Art. No.
	Corner strike plate Weight in kg: Aluminum 0.008		10.401
	Corner strike plate Weight in kg: Stainless steel 0.019 Strike plate Weight in kg: Brass 0.022		10.421 10.422

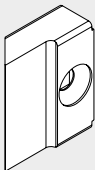
Strike plates

	Product description	Art. No.
	<p>Corner strike plate with 16 mm leg</p> <p>Weight in kg: Aluminum 0.008</p>	<p>10.411</p>

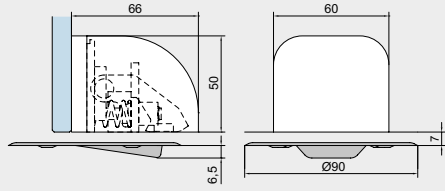
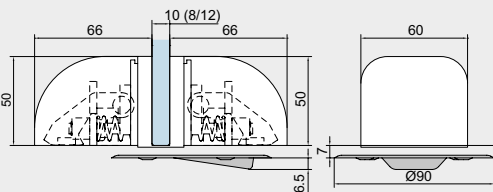
Corner strike plate

	Product description	Art. No.
	<p>Corner strike plate</p> <p>Weight in kg: Aluminum 0.038</p>	<p>11.313</p>

Special latch

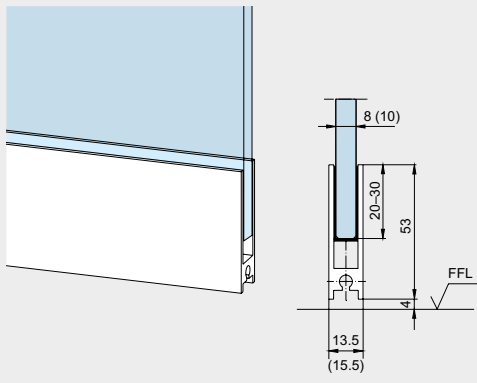
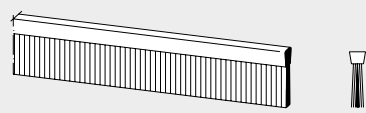
	Product description	Art. No.
	<p>Single latch for Austrian norm frames and for the combination of 10 mm glass with a 24 mm frame depth, usable for STUDIO Rondo, Classic, Gala and Arcos</p>	<p>10.066</p>

Easy-Stop

	Product description	Glass thickness	Art. No.
	Barrier-free floor doorstop for single-action doors, stainless steel adapter for bonding, plastic cover, with UV-adhesive		10.591
	Weight in kg: 0.335		
	Barrier free floor doorstop – Easy Stop for double-action doors Stainless steel adapter for bonding, plastic cover	8 mm	10.592
		10 mm	10.593
		12 mm	10.594
	Weight in kg: 0.679		

Further floor and wall door stops see page 113

Door rails for 8 mm and 10 mm glass thickness

	Product description	Glass thickness	Art. No.
	Door rail push on fit, with pair of plastic end caps		
	norm length 834 mm	8 mm	12.102
		10 mm	12.122
	norm length 959 mm	8 mm	12.103
		10 mm	12.123
	stock length 1,200 mm	8 mm	12.104
		10 mm	12.124
	fixed length 1,200 mm	8 mm	12.100
		10 mm	12.120
	Weight in kg: Aluminum 0.833		
	Brush seal to insert into door rails, with plastic brush, 5 mm projection, stock length 2,000 mm fixed length 1,200 mm		12.110
			12.111
	Weight in kg: 0.142		
	Plastic end cap black	8 mm	12.106
			(not illustr.)
	Plastic end cap white	8 mm	12.108
			(not illustr.)
	Weight in kg: 0,001		
	Plastic end cap black	10 mm	12.108
			(not illustr.)
Weight in kg: 0.001			
Plastic end cap white	10 mm	12.109	
		(not illustr.)	
Weight in kg: 0.001			

Door rails with automatic seals

	Product description	Lengths	Glass thickness	Art. No.	
<p>Mounting to glass with double sided adhesive tape</p> <p>35</p> <p>16.5</p> <p>5-16</p> <p>Operation button always at hinge side</p>	Automatic Seal Planet	834 mm	KG-SM	12.234	
	Complete set with double sided adhesive tape	959 mm	KG-SM	12.239	
		1084 mm	KG-SM	12.249	
	Weight in kg: Aluminum 0.789				
<p>Mounting to glass with US-adhesive</p> <p>8 (10)</p> <p>35</p> <p>16.5</p> <p>5-16</p> <p>28</p> <p>33-44</p> <p>Operation button always at hinge side</p>	Automatic Seal Planet	834 mm	KG D 8 KG D 10	8 mm 10 mm	12.230 12.231
	KG D 8 / KG D 10	959 mm	KG D 8 KG D 10	8 mm 10 mm	12.235 12.236
	Weight in kg: Aluminum 0.771	1084 mm	KG D 8 KG D 10	8 mm 10 mm	12.245 12.246
		1209 mm	KG D 8 KG D 10	8 mm 10 mm	12.240 12.241
<p>Mounting to glass with US-adhesive</p> <p>>12</p> <p>35</p> <p>16.5</p> <p>5-16</p> <p>28</p> <p>33-44</p> <p>Operation button always at hinge side</p>	Automatic Seal Planet	834 mm	KG-U	≥12 mm	12.233
	KG-U	959 mm	KG-U	≥12 mm	12.238
	Weight in kg: Aluminum 0.629	1084 mm	KG-U	≥12 mm	12.248
		1209 mm	KG-U	≥12 mm	12.243
<p>Mounting to glass with US-adhesive</p> <p>35</p> <p>16.5</p> <p>5-16</p> <p>Operation button always at hinge side</p>	Automatic Seal Planet	834 mm	KG-S		12.232
	KG-S	959 mm	KG-S		12.237
	Weight in kg: Aluminum 0.789	1084 mm	KG-S		12.247
		1209 mm	KG-S		12.242

All Planet door rails may be shortend by max. 125 mm on site.

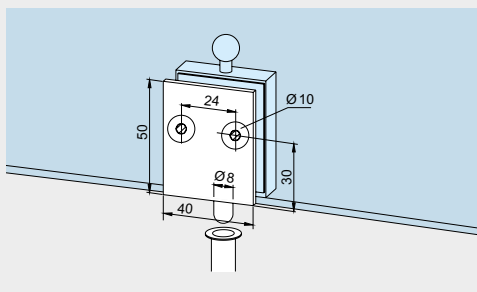
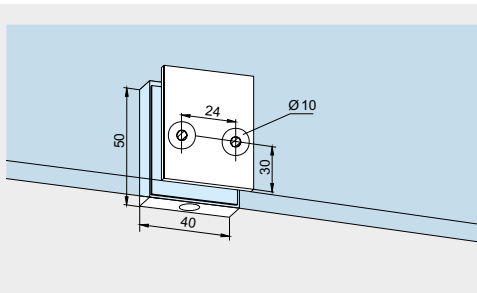
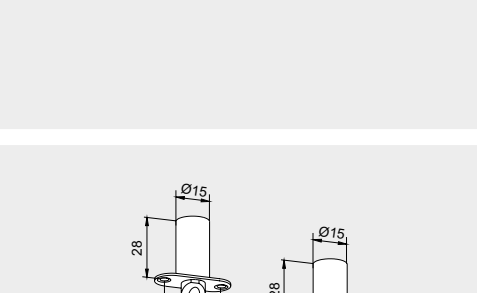
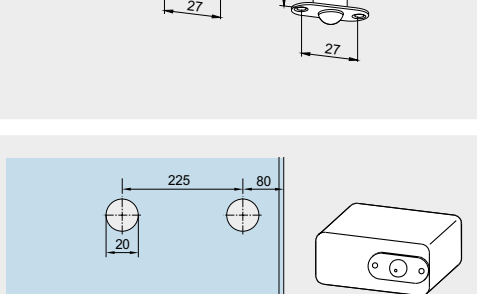
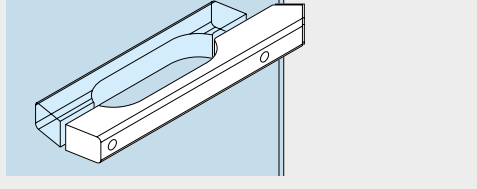

	Product description	Lengths	Glass thickness	Art. No.	
	Door rail with automatic seal, push on fit	834 mm	Left hand Right hand	8 mm 8 mm	12.202 12.203
	Weight in kg: Aluminum 1.559		Left hand Right hand	10 mm 10 mm	12.212 12.213
		959 mm	Left hand Right hand	8 mm 8 mm	12.204 12.205
			Left hand Right hand	10 mm 10 mm	12.214 12.215
		Fixed length up to 1,200mm	Left hand Right hand	8 mm 8 mm	12.200 12.201
			Left hand Right hand	10 mm 10 mm	12.210 12.211

All Planet door rails may be shortend by max. 125 mm on site.
Please indicate the exact glass dimension with your order!

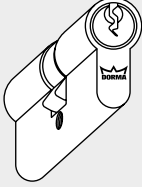
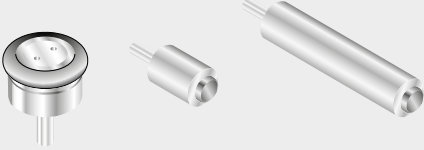
Door bolts

	Product description	Glass thickness	Art. No.
	Slide over door bolt with floor socket	8 mm	12.301
	Weight in kg: Aluminum 0.121		
	with floor socket	10 mm	12.302
	Weight in kg: Aluminum 0.113		
	Slide over strike box to slide over door bolt Art. No. 12.301	8 mm	12.314
	Weight in kg: Aluminum 0.160		
	to slide over door bolt Art. No. 12.302	10 mm	12.317
	Weight in kg: Aluminum 0.130		

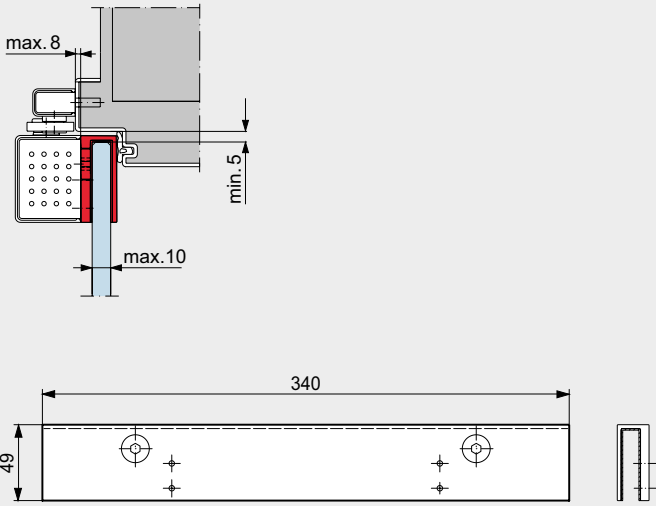
Door bolts

	Product description	Glass thickness	Art. No.
	Door bolt on glass preparation,	8 mm 10 mm	12.312 12.315
	Weight in kg: Aluminum 0.121		
	Door bolt on glass preparation, with free glass edge	8 mm 10 mm	12.318 (not illustr.)
	Weight in kg: Aluminum 0.099		
	Strike box on glass preparation	8 mm	12.313
	Weight in kg: Aluminum 0.130		
	to door bolt Art. No. 12.312	10 mm	12.316
	Weight in kg: Aluminum 0.087		
	Door catch plastic		12.300
	Weight in kg: plastic 0.007		
	Door catch with round bolt		12.305
	Weight in kg: plastic 0.007		
	Wooden snapper block for sauna , obeche wooden		13.006
	Weight in kg: wood 0.045		
	Wooden handle for sauna , obeche wooden		13.005
	Weight in kg: wood 0.267		

Profile cylinder

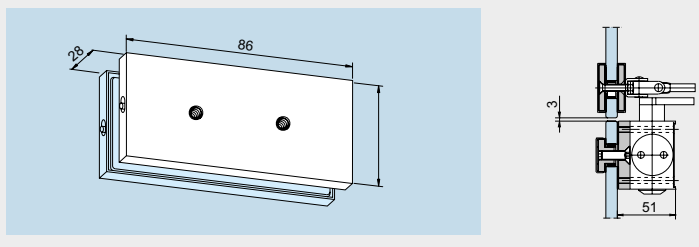
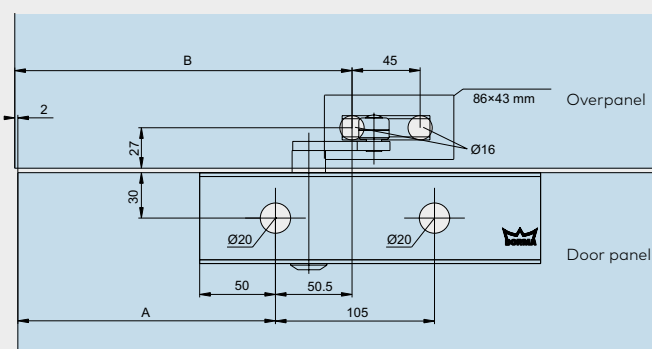
	Product description	Art. No.
	Profile cylinder length 61 mm, differently keyed, with DORMA Logo	05.001
	Profile cylinder length 61 mm, equally keyed, with DORMA Logo	05.002
Further cylinders of the dormakaba range on demand.		
	Floor doorstop	29.950
	Wall doorstop short	29.951
	Wall doorstop long	29.952

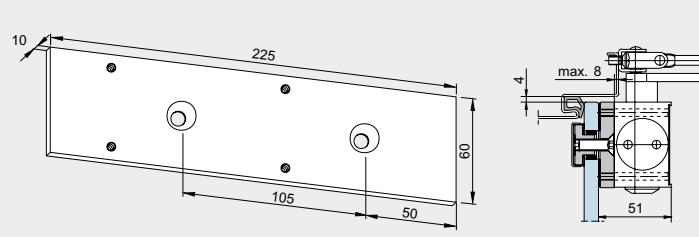
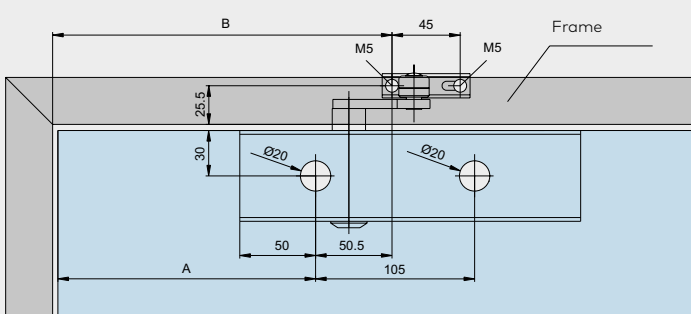
TS 97

	Product description	Art. No.
	TS 97 inclusive glass fixing bracket No glass recess machining or drilling required. The TS 97 with this special glass fixing bracket should be used with STUDIO and OFFICE hinges.	18.070
For more information please see technical brochure TS 97.		

Accessories

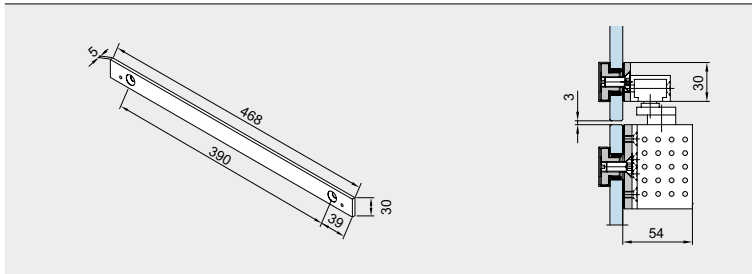
for DORMA Door Closer TS 73 V

	Product description	Art. No.	
	Fixing plate for TS 73 V, projecting arm for overpanel	12.330	
	Weight in kg: Aluminum 0.132		
	Pivot point fitting	A	B
	EA (AT)	195	248
	UNIVERSAL / MUNDUS	245	298
	STUDIO / OFFICE	170	223
	UNIVERSAL Arcos	262	315

	Product description	Art. No.	
	Fixing plate 225 mm, for TS 73 V	12.335	
	Weight in kg: Aluminum 0.289		
	Pivot point fitting	A	B
	EA (AT)	195	248
	UNIVERSAL / MUNDUS	245	298
	STUDIO / OFFICE	170	223
	UNIVERSAL Arcos	262	315

The door closers can only be purchased either through wholesale channels or directly from our Door Hardware division.

for DORMA Door Closer TS 92

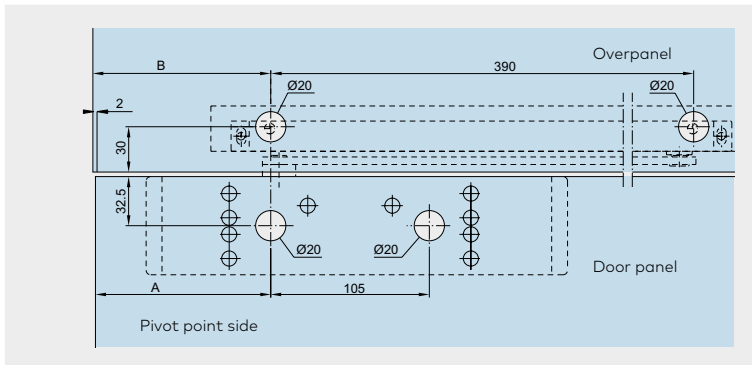


Product description **Art. No.**

Fixing plate **12.332**

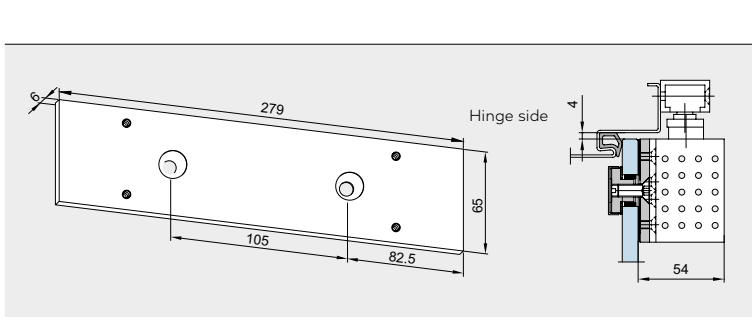
for TS 92, sliding rail for overpanel. Further information and installation types you will find in the technical brochure TS 92.

Weight in kg:
Aluminum 0.265



Pivot point fitting **A** **B**

EA (AT) / EP	200	202
UNIVERSAL / MUNDUS	250	252
STUDIO / OFFICE	148	150
UNIVERSAL Arcos	265	267

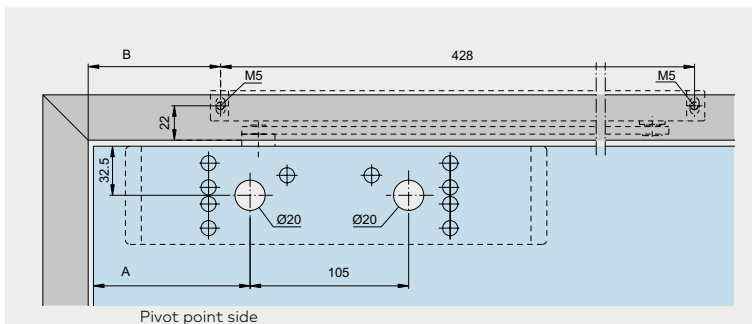


Product description **Art. No.**

Fixing plate **12.334**

279 mm, for TS 92 (Issue 07/02)

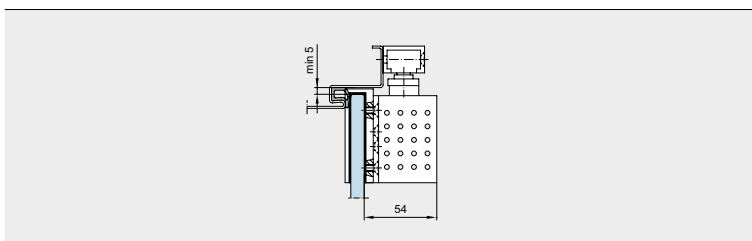
Weight in kg:
Aluminum 0.290



Pivot point fitting **A** **B**

EA (AT) / EP	200	182
UNIVERSAL / MUNDUS	250	232
STUDIO / OFFICE	148	132
UNIVERSAL Arcos	265	247

Product description



Saddle plate
Available for purchase from our Door Hardware division.

The door closers can only be purchased either through wholesale channels or directly from our Door Hardware division.

Content

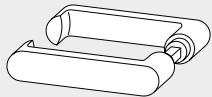
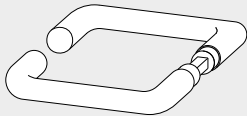
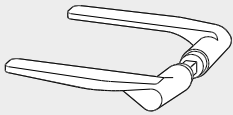
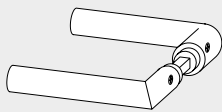
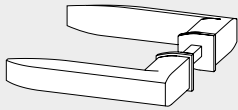
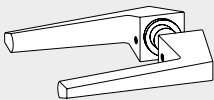
Lever range

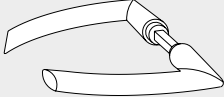
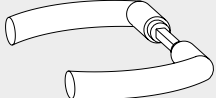
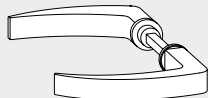
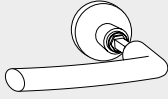
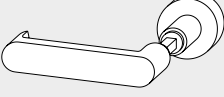


- 120 **Lever for follower**
- 126 **Levers with roses**
- 179 **Safety-related information**



Lever range

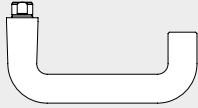
Sets of levers for locks with follower

	Product description	Art. No.
	<p>Set of levers with flat hand part, extended colour options</p> <p>Weight in kg: Aluminum 0.290 Brass 0.760</p>	10.314
	<p>Set of levers tubular</p> <p>Weight in kg: Aluminum 0.320 Brass 0.450</p>	10.301
	<p>Set of levers tubular, for follower, with stainless steel square drive</p> <p>Weight in kg: Aluminum 0.452</p>	10.322
	<p>Set of levers with cantilevered hand part</p> <p>Weight in kg: Brass 0.650</p>	10.300
	<p>Set of levers OFFICE levers</p> <p>Weight in kg: Stainless steel 0.381</p>	11.299
	<p>Set of levers</p> <p>Weight in kg: Aluminum 0.350</p>	19.009
	<p>Set of levers with angular hand part</p> <p>Weight in kg: Aluminum 0.392</p>	10.010

	Product description	Art. No.
	<p>Arcos Set of levers</p> <p>Weight in kg: Aluminum 0.353 Brass 0.959</p>	24.301
	<p>Set of levers with oval handle</p> <p>Weight in kg: Aluminum 0.300</p>	24.310
	<p>Set of levers with angular handle</p> <p>Weight in kg: Aluminum 0.267</p>	24.312
	<p>Arcos lever and knob set with Arcos lever and free turnable knob (turnable knob without function)</p> <p>Weight in kg: Aluminum 0.335</p>	24.316
	<p>Lever and knob set lever with flat hand part, fixed knob, for use with nightlatch function locks (turnable knob without function)</p> <p>Weight in kg: Aluminum 0.270</p>	10.304
	<p>Lever and knob set tubular lever with free turning knob (turning without function)</p> <p>Weight in kg: Aluminum 0.335</p>	10.316
	<p>Lever and knob set tubular lever with turning knob</p> <p>Weight in kg: Aluminum 0.345</p>	10.317

OGRO pair of levers for follower

Product description



OGRO 8100
Pair of levers
incl. pin.



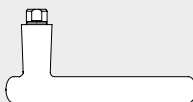
OGRO 8111
Pair of levers
incl. pin



OGRO 8140
Pair of levers
incl. pin



OGRO 8527
Pair of levers
incl. pin



OGRO 8825
Pair of levers
incl. pin

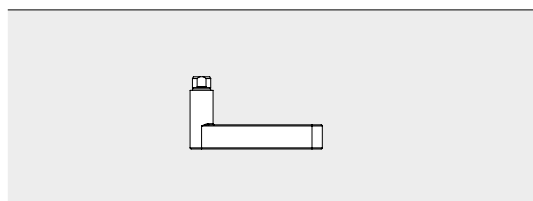


OGRO 8830
Pair of levers
incl. pin

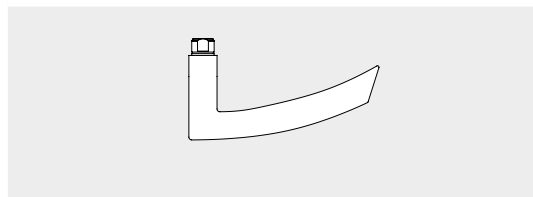


OGRO 8870
Pair of levers
incl. pin

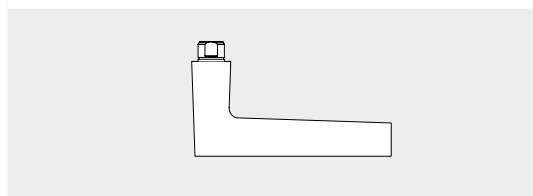
Product description



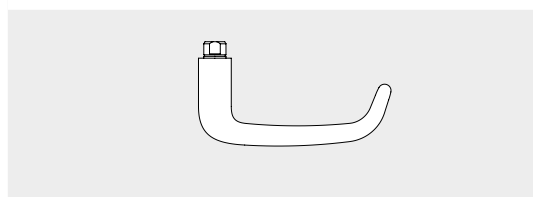
OGRO 8928
Pair of levers
 incl. pin.



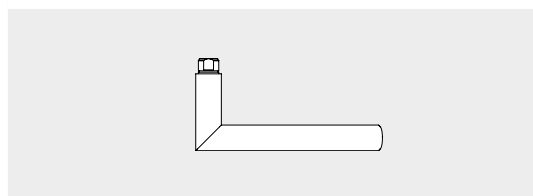
OGRO 8940
Pair of levers
 incl. pin



OGRO 8972
Pair of levers
 incl. pin



OGRO 8999
Pair of levers
 incl. pin



OGRO 8906
Pair of levers
 incl. pin

Adapter set for the installation of all Premium levers

(16 mm follower) on all dormakaba locks without rose, with the exception of Arcos, distance washer Ø 27 x 8 mm

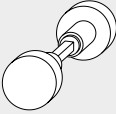
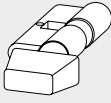
OGRO 6590

Adapter set for the installation of all Premium levers

(16 mm follower) on all dormakaba locks without rose, with the exception of Arcos, distance washer Ø 32 x 8 mm

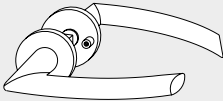
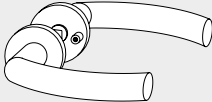
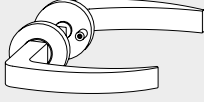
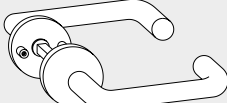
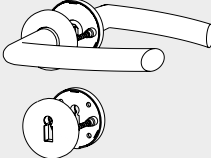
OGRO 6595

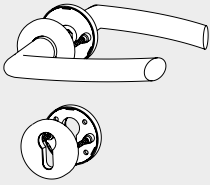
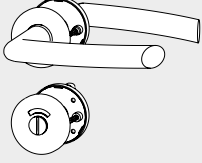
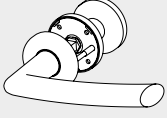
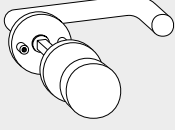
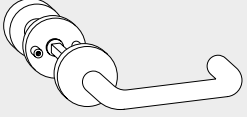
Sets of levers for locks with follower

	Product description	Art. No.
	<p>Set of knobs turning knob</p> <p>Weight in kg: Aluminum 0.255</p>	10.305
	<p>Thumbturn cylinders (WC), for locks prepared for Europrofile cylinder, thumbturn in aluminum, extended colour options</p> <p>Weight in kg: 0.225</p>	10.310

Space for your notes

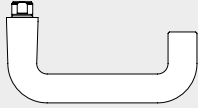
Sets of levers for locks prepared for levers with roses

	Product description	Art. No.
	<p>Arcos Set of levers with roses</p> <p>Weight in kg: Aluminum 0.420</p>	<p>24.307</p>
	<p>Set of levers with oval handle, with roses</p> <p>Weight in kg: Aluminum 0.379</p>	<p>24.311</p>
	<p>Set of levers with angular handle, with roses</p> <p>Weight in kg: Aluminum 0.344</p>	<p>24.313</p>
	<p>Set of levers tubular, with roses</p> <p>Weight in kg: Aluminum 0.320</p>	<p>10.307</p>
	<p>Set of levers for wooden doors incl. warded key rose</p> <p>Weight in kg: Aluminum 0.485</p>	<p>24.322</p>

	Product description	Art. No.
	<p>Set of levers for wooden doors incl. profile cylinder rose</p> <p>Weight in kg: Aluminum 0.485</p>	<p>24.323</p>
	<p>Set of levers for wooden doors incl. vacant / occupied indicator</p> <p>Weight in kg: Aluminum 0.531</p>	<p>24.324</p>
	<p>Arcos lever and knob set with Arcos lever and free turnable knob (turnable knob without function)</p> <p>Weight in kg: Aluminum 0.377</p>	<p>24.318</p>
	<p>Lever and knob set tubular lever with fixed knob, with roses</p> <p>Weight in kg: Aluminum 0.400</p>	<p>10.318</p>
	<p>Lever and knob set tubular lever with knob, with roses</p> <p>Weight in kg: Aluminum 0.400</p>	<p>10.319</p>

OGRO pair of levers with roses for OFFICE locks and STUDIO locks lever behind

Product description

**OGRO 8100****Pair of levers**

incl. pin and swivel-mounted handle roses with retaining spring

**OGRO 8111****Pair of levers**

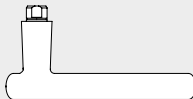
incl. pin and swivel-mounted handle roses with retaining spring

**OGRO 8140****Pair of levers**

incl. pin and swivel-mounted handle roses with retaining spring

**OGRO 8527****Pair of levers**

incl. pin and swivel-mounted handle roses with retaining spring

**OGRO 8825****Pair of levers**

incl. pin and swivel-mounted handle roses with retaining spring

Product description

**OGRO 8830****Pair of levers**

incl. pin and swivel-mounted handle roses with retaining spring

**OGRO 8870****Pair of levers**

incl. pin and swivel-mounted handle roses with retaining spring

**OGRO 8928****Pair of levers**

incl. pin and swivel-mounted handle roses with retaining spring

**OGRO 8940****Pair of levers**

incl. pin and swivel-mounted handle roses with retaining spring

**OGRO 8972****Pair of levers**

incl. pin and swivel-mounted handle roses with retaining spring

**OGRO 8999****Pair of levers**

incl. pin and swivel-mounted handle roses with retaining spring

**OGRO 8906****Pair of levers**

incl. pin and swivel-mounted handle roses with retaining spring

Content

BEYOND

132	General information
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138	Components
138	Glass preparation
166	Accessories
178	Finishes and colours
179	Safety-related information



BEYOND

Systematic design

Safe, functional and extremely attractive, BEYOND, the unique system for glass doors without risk of pinched fingers with swing doors.

The development of BEYOND has been shaped by the search for a solution that combines a modern, attractive design with maximum safety and stability. In the swing-door system the pivot point is located directly at the glass edge, thus preventing the risk of trapped fingers often found at the secondary closing edges of glass swing.

BEYOND opens up a huge range of opportunities for incorporating frameless glass doors into toughened glass assemblies and wall openings. The BEYOND system offers an elegant, sophisticated solution for swing doors in all situations, whether private or public, modern or traditional.

Developed with the practical requirements of the market in mind, this product offers a sensible alternative wherever security, safety and functionality need to be complemented with an attractive design.



Safe and secure

The patented BEYOND swing door system with its pivot point located centrally in the glass axis and close to the glass edge ensures safety and security. The alternative options of elegant, continuous pivot rod or smart short rod make the system suitable for any room situation. And with a choice of pull handles or lock/lever handle combinations, BEYOND enables the realisation of your design ideas.



The over panel pivot fitting
– a slim connector.



An option for the bottom pivot point
– short rod on a floor pivot.

Short pivot rod

The BEYOND swing door system with short pivot rod offers maximum flexibility. No matter what the door dimensions, BEYOND short fittings provide a versatile solution.

DORMA floor pivots, or – particularly for double-action doors – DORMA BTS floor springs, form the ideal base for ensuring that the door always returns safely and securely to its home position. Since with the BTS floor spring the position of the pivot point requires it to be buried under the adjacent wall, the use of a glass side panel is recommended in this case. The top connection depends on the type of unit. When incorporating the glass door into a toughened glass assembly, the top connection is formed by an over panel pivot fitting; in the case of doors in wall openings, a top pivot bearing is fitted to the ceiling or in the lintel. Load transfer from

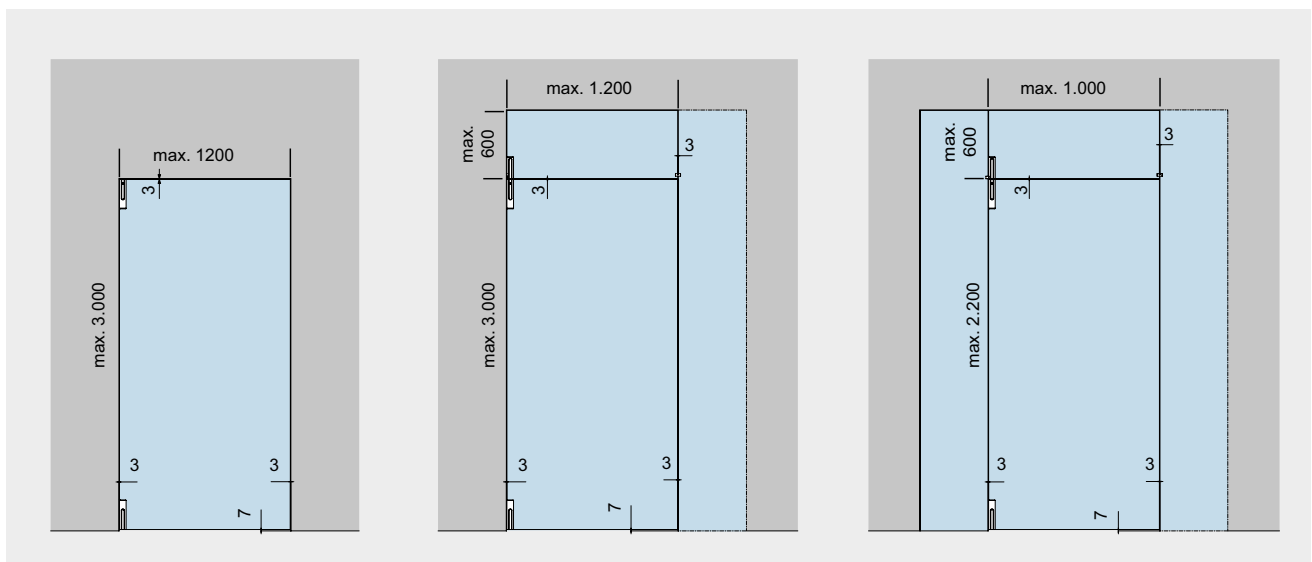
the overpanel and side panel can be effected by means of wall adapter profiles.

Depending on customer requirements, BEYOND offers suitable fittings for 10 mm and 12 mm glass. Finishes for fittings and accessories: aluminum EV1-Deco anodized (114) or similar satin stainless steel anodized (107).

For maximum values please see the typical assemblies.

Note:

- Overpanel fitting wall connector
max. 1,200 mm door width;
- overpanel fitting glass connector
max. 1,000 mm door width.



Basic set for individual door.
For installation in masonry.

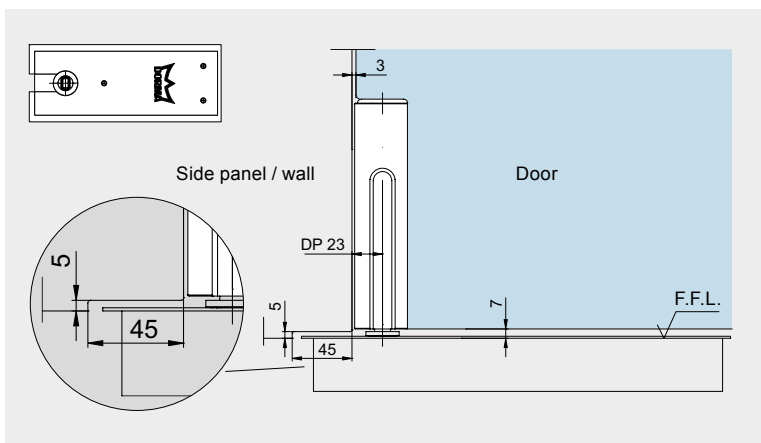
Max door height 3,000 mm
Max door weight 80 kg

Basic set and over panel fitting wall connector for door with over panel.
Optionally with side panel on closing side.

Max door height 3,000 mm
Max door weight 80 kg

Basic set and over panel fitting wall connector for door with over panel and side panel on pivot point side.
Optionally with side panel on closing side.

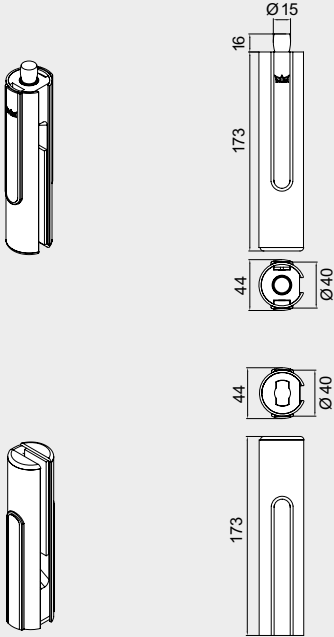
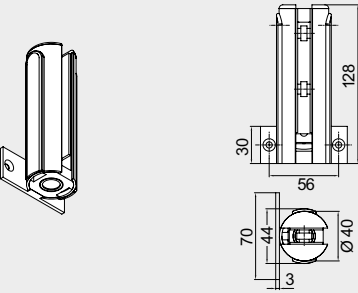
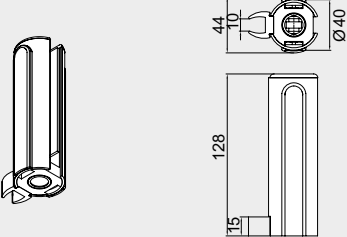
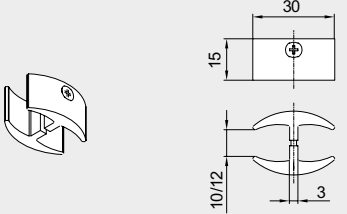
Max door height 2,200 mm
Max door weight 80 kg



Combination BEYOND and BTS

(door closer available from Door Control Division)
With the BTS floor spring, the position of the pivot point means that the unit has to be buried under the adjacent wall, or that the glass side screen has to be appropriately machined (see adjacent detail). The height of the recess cut into the glass will need to be adapted to the installation situation and the means by which the side screen is fixed.

Fittings and glass connector

	Product description	Glass thickness	Art. No.
	<p>BEYOND basic set: Pivoting fitting set, short type, comprising</p> <ul style="list-style-type: none"> • 1 top pivot fitting with pivot Ø 15 mm, • 1 bottom pivot fitting with insert for DORMA floor spring spindle (90° turnable, e. g. DORMA BTS 80) or round pivot 	10 mm 12 mm	30.100 30.101
	<p>BEYOND overpanel fitting, wall connector, with plastic socket for top pivot</p>	10 mm 12 mm	30.120 30.121
	<p>BEYOND overpanel fitting, glass connector, with plastic socket for top pivot</p>	10 mm 12 mm	30.130 30.131
	<p>BEYOND glass connector, plastic, black, for connection of side panel at closing side</p>	10 mm and 12 mm	30.320

Continuous pivot rod

The BEYOND swing door system with continuous rod offers complete freedom from the risk of trapped fingers. By locating the pivot point of the swing door right at the glass edge and providing a round profile, the nip hazard is reduced to zero.

For the floor mounting of single-action, and particularly double-action doors, the DORMA BTS floor spring offers a convenient alternative to the DORMA floor pivot. Since with the BTS floor spring the position of the pivot point requires it to be buried under the adjacent wall, the use of a glass side panel is recommended in this case. As with the short-rod model, the top connection depends on the type of unit. Toughened glass assemblies are fitted with an over panel pivot fitting, whereas with doors in wall openings a top pivot bearing with ceiling fixing is used. Load transfer from the over panel and side panel can be effected by means of wall adapter profiles.

In the case of heights over 2,200 mm, an anti-vibration device located midway along the pivot rod ensures quiet door operation.

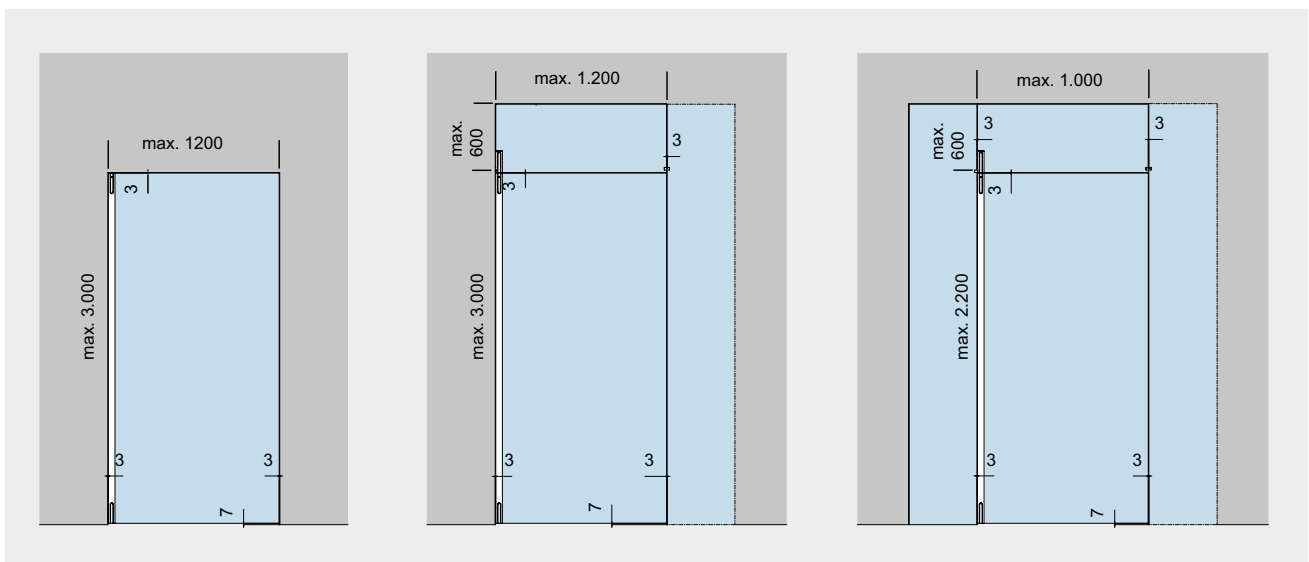
Depending on customer requirements, BEYOND offers suitable fittings for 10 mm and 12 mm glass.

Finishes for fittings and accessories: aluminum EV1-Deco anodized (compatible with finish 150) (114) or similar satin stainless steel anodized (107).

For maximum values please see the typical assemblies.

Note:

Overpanel fitting wall connector
max. 1,200 mm door width;
overpanel fitting glass connector
max. 1,000 mm door width.



Basic fitting for individual door.
For installation in masonry.

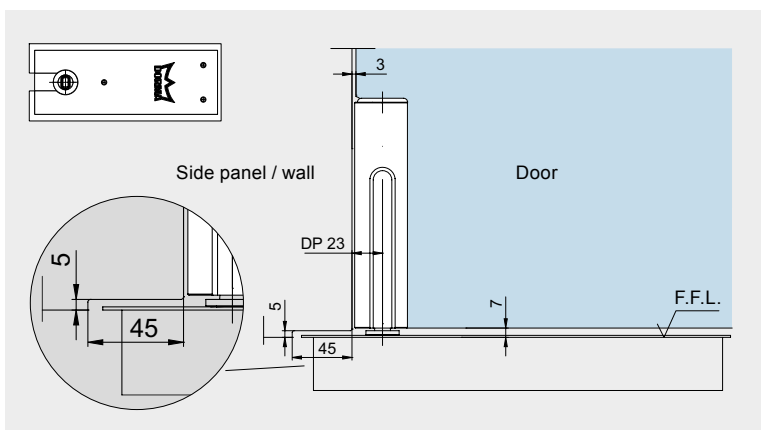
Max door height 3,000 mm
Max. door weight 80 kg

Basic fitting and over panel fitting wall connector for door with over panel.
Optionally with side panel on closing side.

Max door height 3,000 mm
Max. door weight 80 kg

Basic fitting and over panel fitting wall connector for door with over panel and side panel on pivot point side.
Optionally with side panel on closing side.

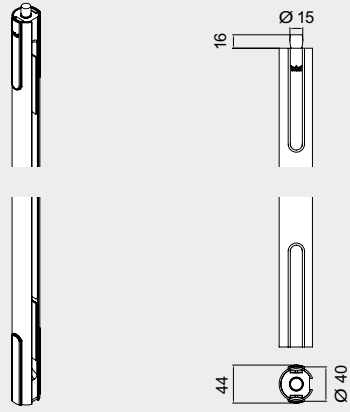
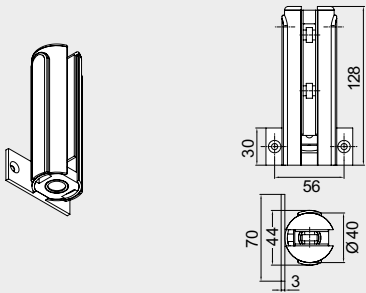
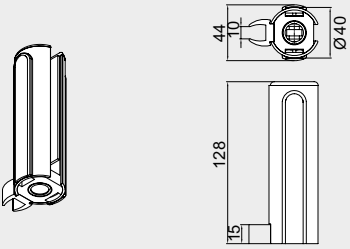
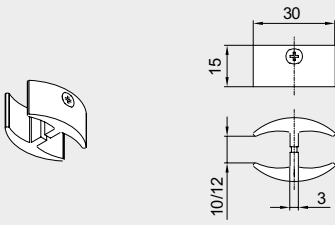
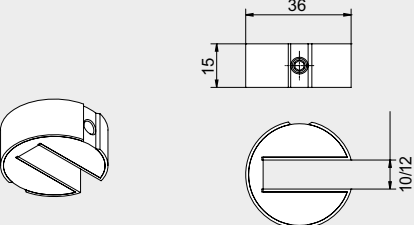
Max door height 2,200 mm
Max. door weight 80 kg



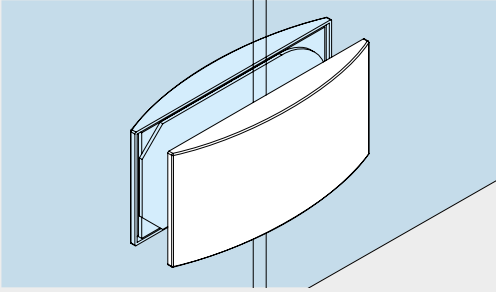
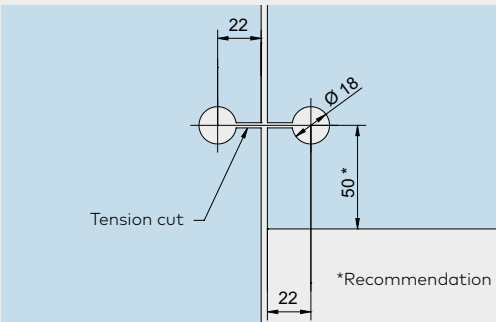
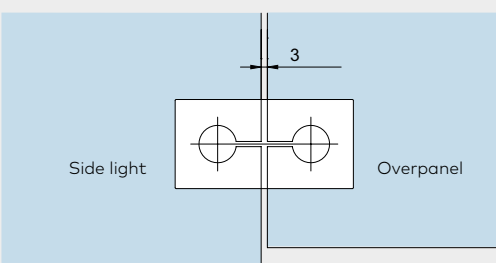
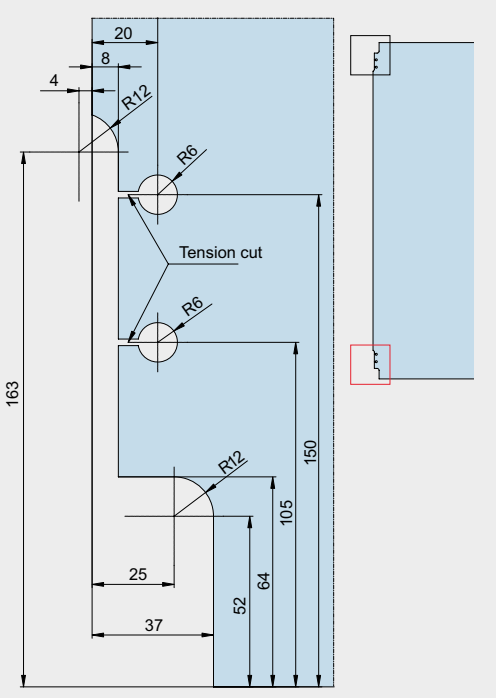
Combination BEYOND and BTS

(door closer available from Door Control Division)
With the BTS floor spring, the position of the pivot point means that the unit has to be buried under the adjacent wall, or that the glass side screen has to be appropriately machined (see adjacent detail). The height of the recess cut into the glass will need to be adapted to the installation situation and the means by which the side screen is fixed.

Fittings and glass connector

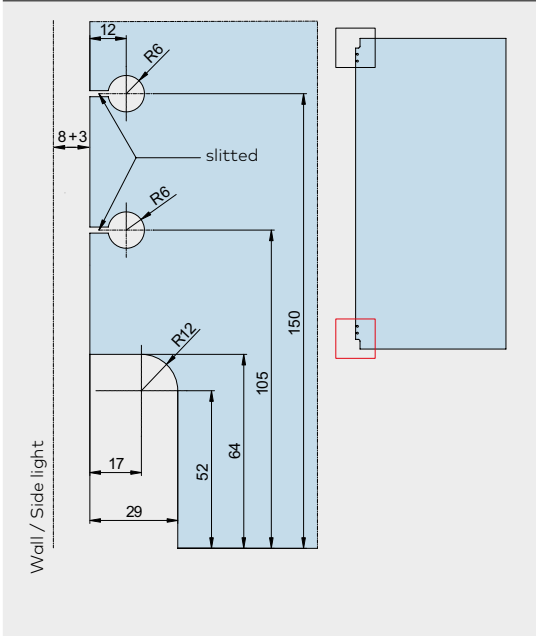
	Product description	Glass thickness	Art. No.
	<p>BEYOND basic fitting: Pivoting fitting, long type, with pivot \varnothing 15 mm at top and insert for DORMA floor spring spindle (90° turnable, e. g. DORMA BTS 80) or round pivot at bottom</p> <p>Please indicate exact door height = glass measurement with order.</p>	10 mm 12 mm	30.110 30.111
	<p>BEYOND overpanel fitting, wall connector, with plastic socket for top pivot</p>	10 mm 12 mm	30.120 30.121
	<p>BEYOND overpanel fitting, glass connector, with plastic socket for top pivot</p>	10 mm 12 mm	30.130 30.131
	<p>BEYOND glass connector, plastic, black, for connection of side panel at closing side</p>	10 mm and 12 mm	30.320
	<p>BEYOND anti-vibration device for pivot fitting, long</p>	10 mm 12 mm	30.034 30.035

Glass preparation

	Product description	Art. No.
	<p>Overpanel-sidelight connector</p> <p>Weight in kg: Aluminum 0.146</p>	<p>12.536</p>
		
		
	<p>Pivoting fitting set, short type</p> <p>Drawing shows the bottom glass penetration. Top edge of glass is prepared accordingly.</p>	<p>30.100 30.101</p>

Product description

Art. No.

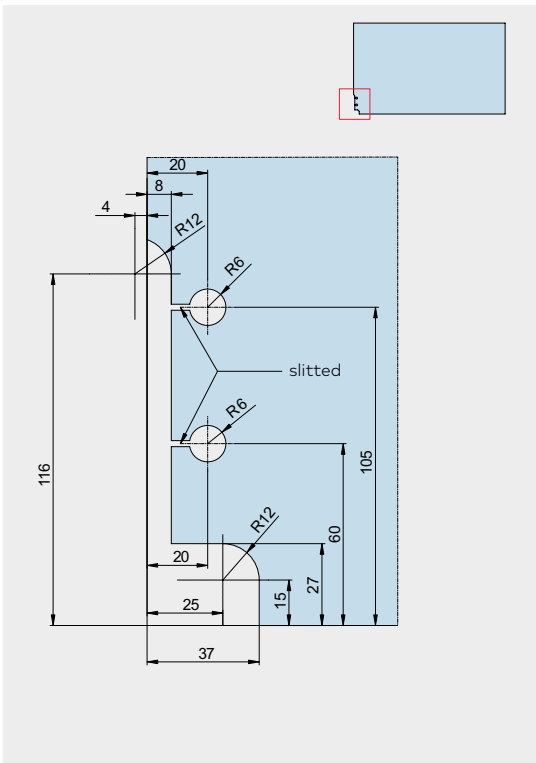


Pivoting fitting, long type

Drawing shows the bottom glass penetration.
Top edge of glass is prepared accordingly.

30.110

30.111



Overpanel fitting

Wall connector and
glass connector

30.120

30.121

30.130

30.131

Content

TENSOR

142	General information
144	Type illustrations
104, 166	Accessories
179	Safety-related information



TENSOR

Convenience – Precision – TENSOR

There are many arguments in favour of installing a toughened glass door – as many as there are applications and functional possibilities. Double-action doors offer particular convenience. And all the more so where the door is returned to the desired closed position by the action of the hinges alone – without any need for a recessed floor spring or an overhead door closer cluttering the top edge of the glass panel.

The TENSOR concept sets a new standard in this regard – whether for new installations or refurbishments.

TENSOR double-action door hinges can be fixed directly to the masonry or to a non-rebated frame. In the case of "glass-to-glass" model, the double-action door is hung from a fixed toughened glass side screen.

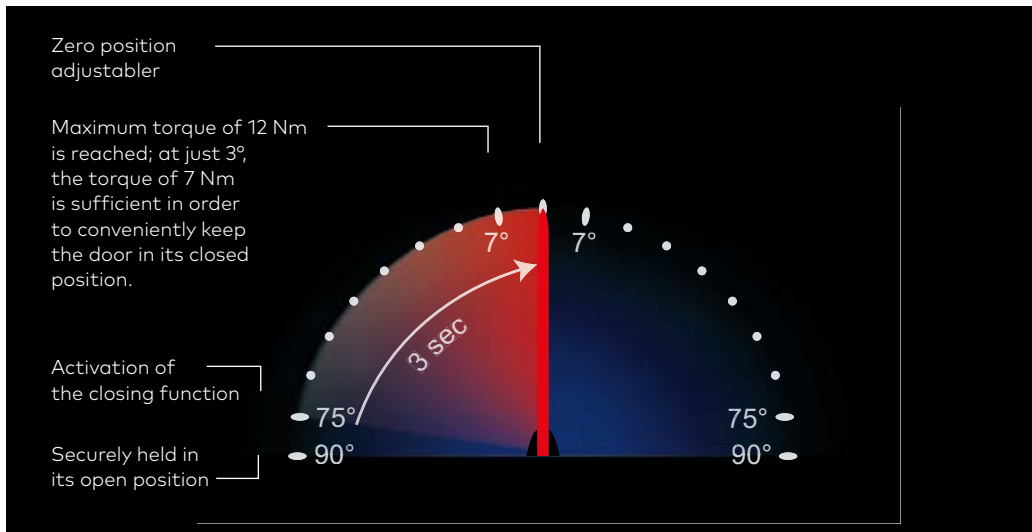
Excellent returns from every angle

Viewed "superficially", the TENSOR design exhibits a slightly convex, curved form. Also attractively conspicuous is the inlay of the dormakaba brand, harmoniously integrated within the satin-finished aluminum hinge components. The emblem may be selected to match or to contrast with the hinge finish – three inlays of different colours are provided with each set. The inlay serves as a mechanical stop for the hinge, thus protecting the surface of the fixed hinge section against damage when the door is opened to 90°.

And it also conceals to the technical core of the system – the simple and high-precision zero-position adjustment mechanism. This is an essential feature for ensuring the effective and efficient closing of a double-action door.

At 90°, the TENSOR system holds the door firmly and securely in position. Once pushed in the closing direction, the spring mechanism of the TENSOR fitting takes over, operating from an angle of 75°. The door closes quickly and securely. And even at an opening angle of 3°, the torque of 7 Nm created is sufficient to keep the door conveniently in its closed position.



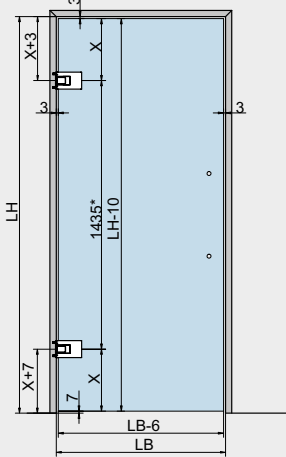
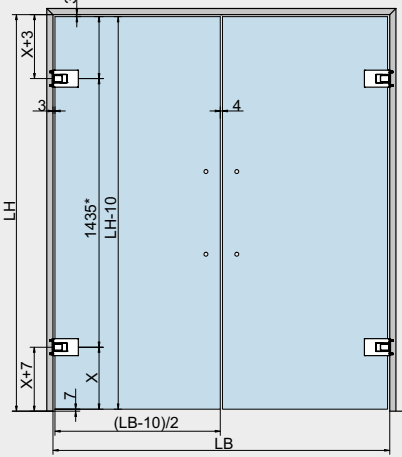


For wall / frame fixing

	Product description	Glass height	Glass width
	<p>TENSOR Double-action door fixed to wall / frame with surface mounted mounting plate</p> <p>Single leaf</p> <p>Fittings for 8, 10 and 12 mm glass Door weight: max. 65 kg Door width: max. 1,000 mm</p> <p>LH = Clear height LB = Clear width</p> <p>* for glass height 1,800 - 2,500 mm (min. 700 mm panel width)</p>	LH-10	LB-6
	<p>TENSOR Double-action door fixed to wall / frame with surface mounted mounting plate</p> <p>Double leaf</p> <p>Fittings for 8, 10 and 12 mm glass Door weight: max. 65 kg Door width: max. 1,000 mm</p> <p>LH = Clear height LB = Clear width</p> <p>* for glass height 1,800 - 2,500 mm (min. 700 mm panel width)</p>	LH-10	$(LB-10)/2$

	Product description	Art. No.
	<p>TENSOR Double-action hinges</p> <p>Pair of double-action hinges incl. mounting plate, round; for installation onto wall or frame with surface mounted mounting plate</p> <p>for 8, 10 and 12 mm glass</p> <p>Finishes: AL EV1-Deco anodized (compatible with finish 150) (114) AL similar satin stainless steel anodized (for profile material) (similar Eloxal II C 31) (113) AL brass colored EV3 anodized (similar Eloxal I EV 3) (105)</p> <p>On request: AL polished chromed (not available as special anodized finish) (122)</p>	<p>12.520</p>
	<p>Glass preparation</p>	
	<p>Drilling scheme</p>	
	<p>Please note: Condition is a suitable substructure!</p> <p>For the frame installation our inside frame connector 12.526 is available (Detail: 12-152A).</p> <p>Excessive opening of the door must be prevented (max. 90°). Please use a door stop – see page 141</p>	

For frame fixing

	Product description	Glass height	Glass width
	<p>TENSOR Double-action door fixed to frame with embedded mounting plate</p>	<p>LH-10</p>	<p>LB-6</p>
<p>Single leaf</p>			
<p>Fittings for 8, 10 and 12 mm glass Door weight: max. 65 kg Door width: max. 1,000 mm</p>			
<p>LH = Clear height LB = Clear width</p>			
<p>* for glass height 1,800 - 2,500 mm (min. 700 mm panel width)</p>			
	<p>TENSOR Double-action door fixed to frame with embedded mounting plate</p>	<p>LH-10</p>	<p>(LB-10)/2</p>
<p>Double leaf</p>			
<p>Fittings for 8, 10 and 12 mm glass Door weight: max. 65 kg Door width: max. 1,000 mm</p>			
<p>LH = Clear height LB = Clear width</p>			
<p>* for glass height 1,800 - 2,500 mm (min. 700 mm panel width)</p>			

	Product description	Art. No.
	<p>TENSOR Double-action hinges</p> <p>Pair of double-action hinges incl. mounting plate; for installation into frame with embedded mounting plate</p> <p>for 8, 10 and 12 mm glass</p> <p>Finishes: AL EV1-Deco anodized (compatible with finish 150) (114) AL similar satin stainless steel anodized (for profile material) (similar Eloxal II C 31) (113) AL brass colored EV3 anodized (similar Eloxal I EV 3) (105)</p> <p>On request: AL polished chromed (not available as special anodized finish) (122)</p>	<p>12.522</p>
	<p>Glass preparation</p>	
	<p>Drilling scheme</p>	
	<p>Inside frame connector</p>	<p>12.526</p>

Please note:

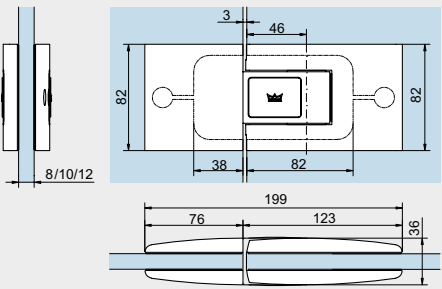
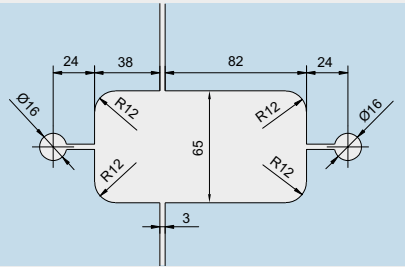
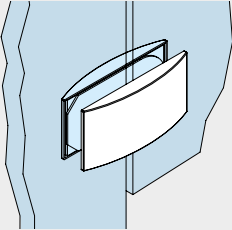
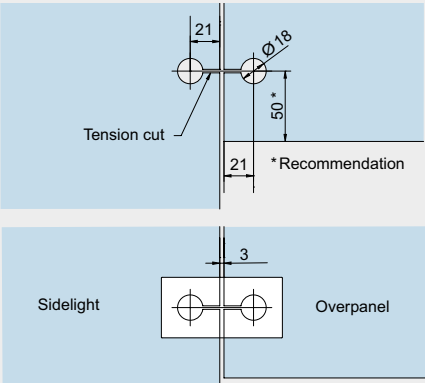
Condition is a suitable substructure!

Excessive opening of the door must be prevented (max. 90°).

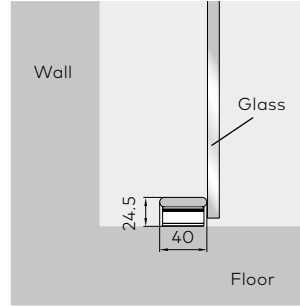
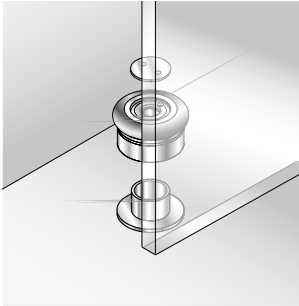
Please use a door stop – see page 141

Glass to glass

	Product description	Glass height	Glass width
	<p>TENSOR Double-action door fixed to glass side panel</p> <p>Single leaf</p> <p>Fittings for 8, 10 and 12 mm glass Door weight: max. 65 kg Door width: max. 1,000 mm Side panel width: max. 1,500 mm</p> <p>LH = Clear height LB = Clear width</p> <p>* for glass height 1,800 - 2,500 mm (min. 700 mm panel width)</p>	LH-10	LB-6
	<p>TENSOR Double-action door fixed to glass side panel</p> <p>Double leaf</p> <p>Fittings for 8, 10 and 12 mm glass Door weight: max. 65 kg Door width: max. 1,000 mm Side panel width: max. 1,500 mm</p> <p>LH = Clear height LB = Clear width</p> <p>* for glass height 1,800 - 2,500 mm (min. 700 mm panel width)</p>	LH-10	(LB-10)/2

	Product description	Art. No.
	<p>TENSOR Double-action hinges</p> <p>Pair of double-action hinges for installation glass to glasse for 8, 10 and 12 mm glass</p> <p>Finishes: AL similar satin stainless steel anodized (for profile material) (similar Eloxal II C 31) (114) AL similar satin stainless steel anodized (for profile material) (similar Eloxal II C 31) (113) AL brass colored EV3 anodized (similar Eloxal I EV 3) (105)</p> <p>On request: AL polished chromed (not available as special anodized finish) (122)</p>	<p>12.523</p>
	<p>Glass preparation / Drilling scheme</p> <p>for Art. No. 12.523</p>	
	<p>Overpanel-sidelight connector</p> <p>Weight in kg: Aluminum 0.146</p>	<p>12.536</p>
	<p>Glass preparation / Drilling scheme</p> <p>for Art. No. 12.536</p>	

Accessories



Ordering information

Stop for pivoting door
 floor mounting
Art. No. 29.950

Easy-Stop

	Product description	Glass thickness	Art. No.
	<p>Barrier free floor doorstop – Easy Stop for double-action doors Stainless steel adapter for bonding, UV-adhesives plastic cover</p> <p>Weight in kg: Aluminum 0.679</p>	<p>8 mm 10 mm 12 mm</p>	<p>10.592 10.593 10.594</p>
	<p>Barrier-free floor doorstop for single-action doors, stainless steel adapter for bonding, plastic cover</p> <p>Weight in kg: Aluminum 0.335</p>		<p>10.591</p>

Space for your notes

Content

VISUR

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VISUR

VISUR – purest clarity

All-glass double-action doors without any visible fixings? Meet VISUR, a system patented for dormakaba that secures double-action glass doors without the need for any visually disruptive functional elements. VISUR presents the door in perfect transparency. Rather than cluttering the clear outline of the leaf, the hardware components are all located in the surrounding structures.

This absence of fittings means that the all-glass double-action door will match any room style, making the VISUR system a real boon to interior architecture.

100% transparent 100% durable

Frameless from top to toe – that's the VISUR's claim to fame, making life easier for architects and specifiers alike.

Because they can choose any material and any colour for the surrounding structures. The VISUR system simply remains a discrete presence, fitting in with every design idea and reflecting it to maximum advantage.

Having successfully completed 500,000 operating cycles in its endurance test, there can be little doubt as to its outstanding quality – a 100 % dormakaba product in every respect.



Transom-concealed door closer

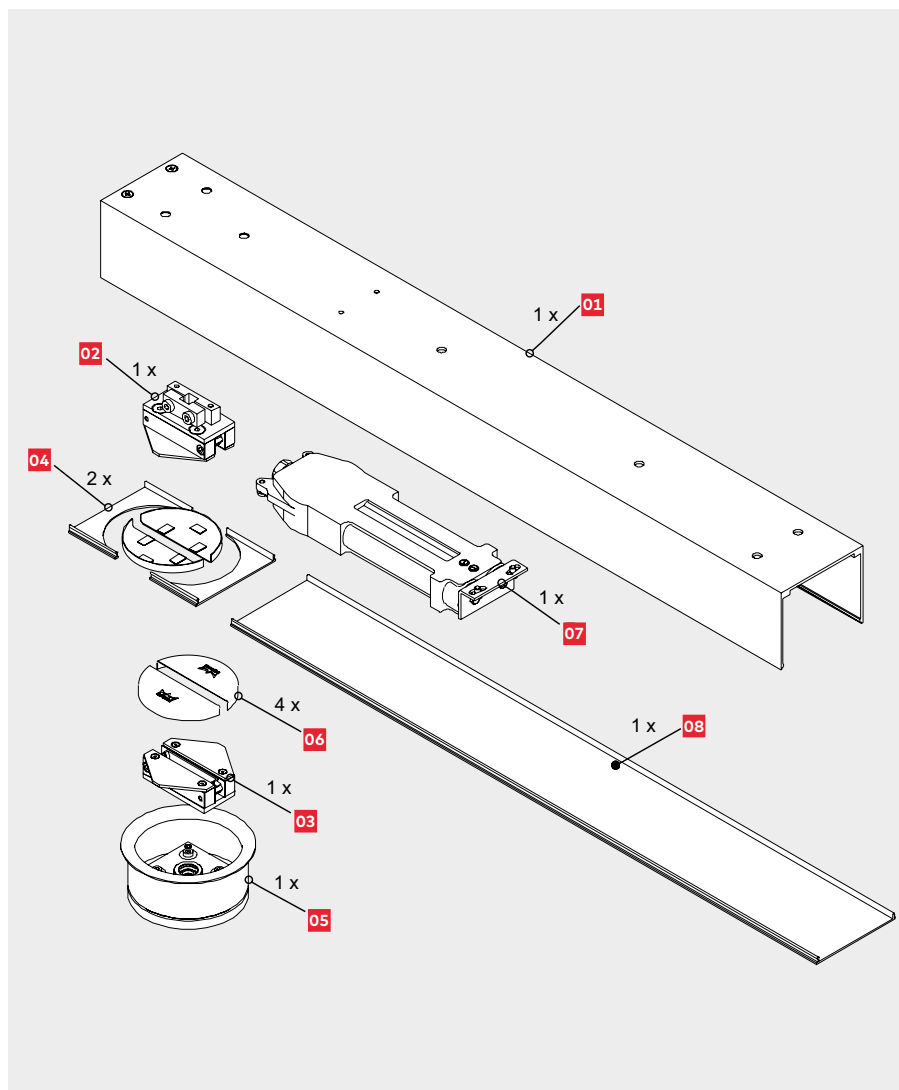
In the case of VISUR all-glass double-action door, the closing function is performed invisibly by the transom-concealed RTS 85 EN 3 door closer. This not only reliably returns the door to its zero position after each opening action, but also – thanks to special check back damping – protects the leaf from careless impact arising from excessive opening force. Thanks to a hold-open feature included as standard, the door can also be

retained at an opening angle of 90°. Clampable projections – leaf-integral 'tongues' – provide the mating connection for the concealed pivot fittings top and bottom. Hidden within the floor is the bottom bearing housing with the pivot bearing mounting designed for an offset of 70 mm.

The depth of installation is 64 mm and the diameter of the bearing housing is just 126 mm.



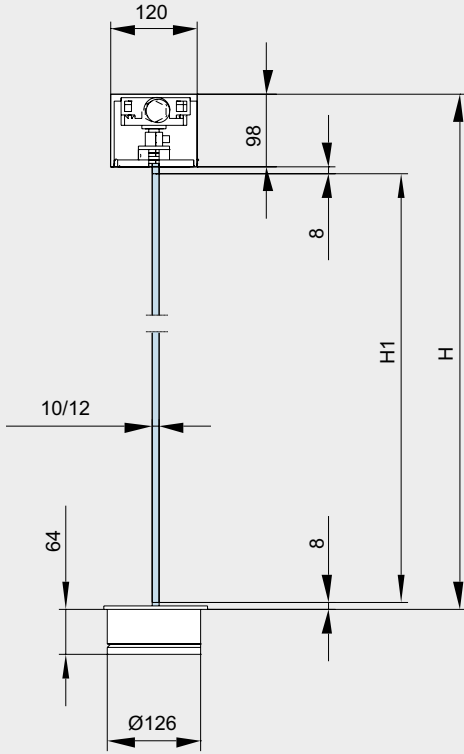
Scope of delivery



- 01**
transom tube for installation under the ceiling
1 part for max. panel width 1,100 mm
2 parts for max. panel width 2 x 1,100 mm
- 02**
glass clamping piece top
- 03**
glass clamping piece bottom
- 04**
cover profile parts for door closer pivot pin 90 mm
- 05**
bottom bearing housing with cover ring
- 06**
cover caps
- 07**
RTS 85 EN 3, 90° retainer (for door widths smaller than 800 mm optionally the door closer variant EN 2 can be used. Please quote requirement with your order.)
- 08**
transom tube cover

Technical features

Pivoting door:



Materials and finishes

- Aluminum, AL EV1-Deco anodized (compatible with finish 150) (114)

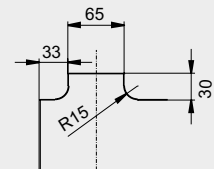
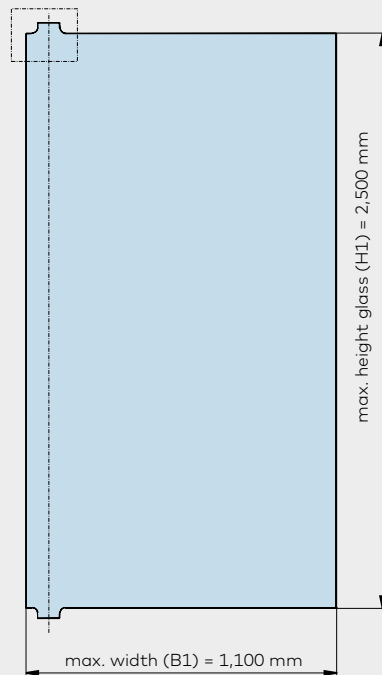
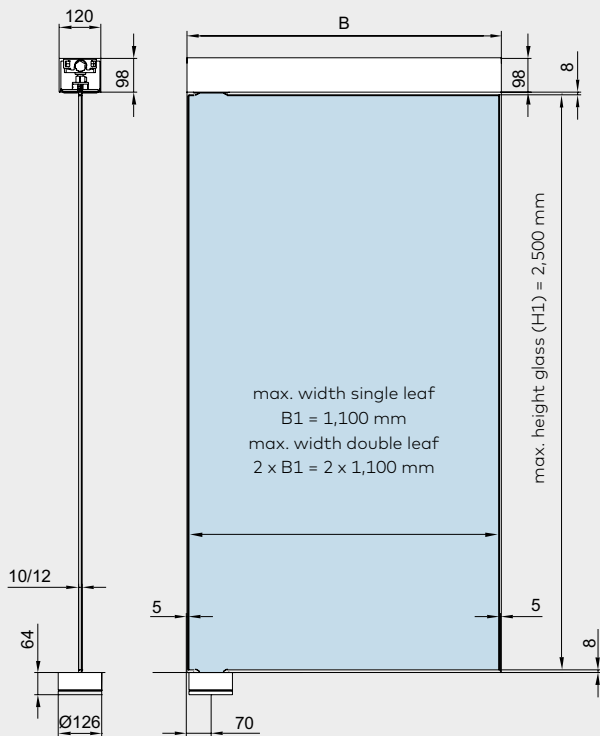
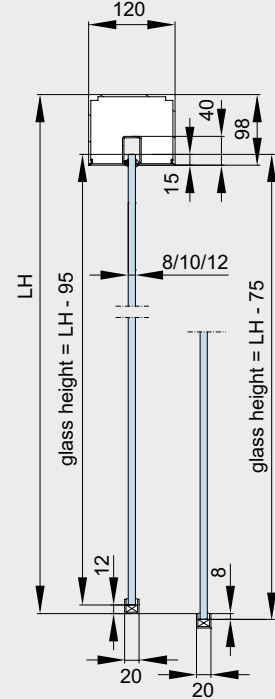
Dimensions

- Glass thickness: 10 / 12 mm
- max. door panel weight: 85 kg
- max. door panel width (B1): 1,100 mm
- max. door panel height (H1): 2,500 mm

Calculation of glass measurements:

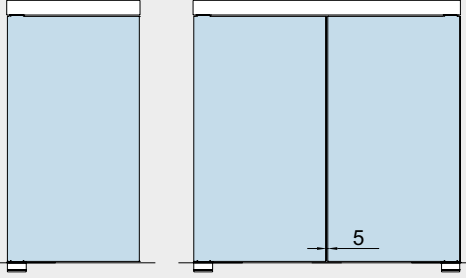
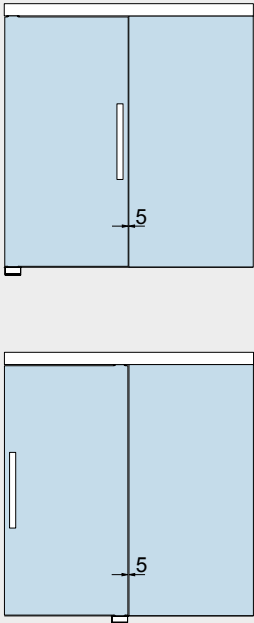
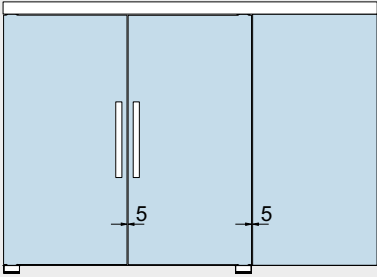
$H1 = H - 114$
 $B1 \text{ single leaf} = B - 10$
 $B1 \text{ double leaf} = \frac{B - 15}{2}$

Fixed panel:

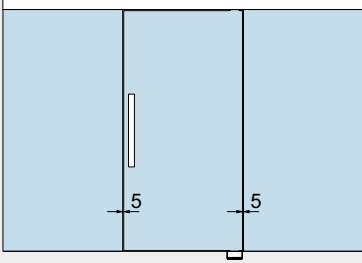
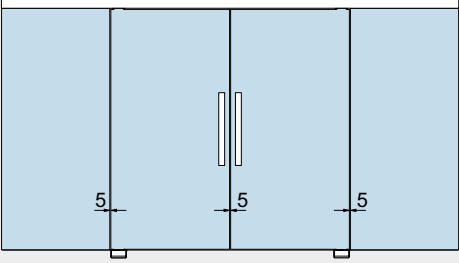


Design of the top glass 'tongue' and the bottom glass 'tongue' is alike

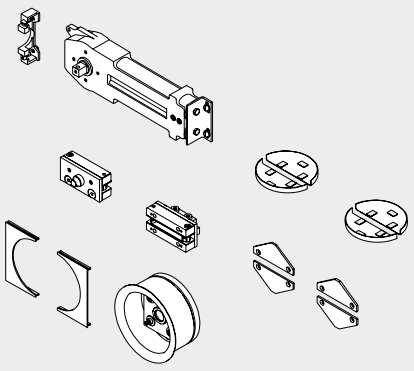
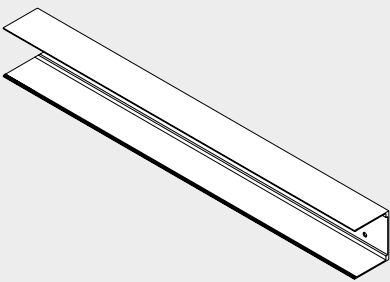
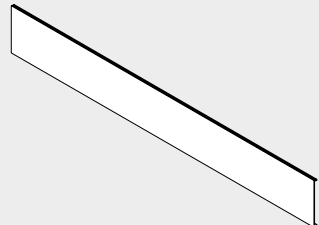
VISUR complete sets

	Product description	Art. No.
	<p>Complete set for single leaf doors incl. transom tube, RTS 85, top and bottom pivot</p> <p>do. for double leaf door</p> <p>Attention: Please indicate with your order clear width in mm. Max. assembly width: 1,100 mm (03.770) Max. assembly width: 2,200 mm (03.771)</p>	<p>03.770</p> <p>03.771</p>
	<p>Complete set for single leaf doors with one fixed sidelight incl. transom tube, RTS 85, top and bottom pivot</p> <p>Attention: Please indicate with your order the clear width and the width of sidelights and doors in mm. Max door width 1,100 mm, max. assembly width 6,000 mm</p>	<p>03.790</p>
	<p>do. for double leaf door with one sidelight</p> <p>Attention: Please indicate with your order the clear width and the width of sidelights and doors in mm. Max door width 1,100 mm, max. assembly width 6,000 mm</p>	<p>03.792</p>

VISUR complete sets

	Product description	Art. No.
	<p>do. for double leaf door with fixed sidelight incl. transom tube, RTS 85, top and bottom pivot</p> <p>Attention: Please indicate with your order the clear width and the width of sidelights and doors in mm. Max door width 1,100 mm, max. assembly width 6,000 mm</p>	03.791
	<p>do. for double leaf door with two fixed sidelights</p> <p>Attention: Please indicate with your order the clear width and the width of sidelights and doors in mm. Max door width 1,100 mm, max. assembly width 6,000 mm</p>	03.793

VISUR components

	Product description	Art. No.
	<p>VISUR set composed of RTS 85, top and bottom pivot</p>	<p>03.772</p>
	<p>VISUR set composed of top and bottom pivot, (without RTS 85)</p> <p>When installing the glass door, make sure there is sufficient space in the ceiling/transom!</p>	<p>03.773</p>
	<p>VISUR transom tube profile for single leaf doors (max. 1,100 mm door panel width), in fixed length (please indicate with your order the clear width in mm)</p>	<p>03.775</p>
	<p>do. for double leaf doors (max. 2 x 1,100 mm door panel width), in fixed length (please indicate with your order the clear width in mm)</p>	<p>03.776</p>
	<p>VISUR transom tube profile in stock length 6,000 mm</p>	<p>03.789</p>
	<p>VISUR transom tube cover profile for single leaf doors (max. 1,100 mm door panel width), in fixed length (please indicate with your order the clear width in mm)</p>	<p>03.777</p>
	<p>do. for double leaf doors (max. 2 x 1,100 mm door panel width), in fixed length (please indicate with your order the clear width in mm)</p>	<p>03.778</p>
	<p>VISUR transom tube cover profile in stock length 6,000 mm</p>	<p>03.780</p>

Content

RP

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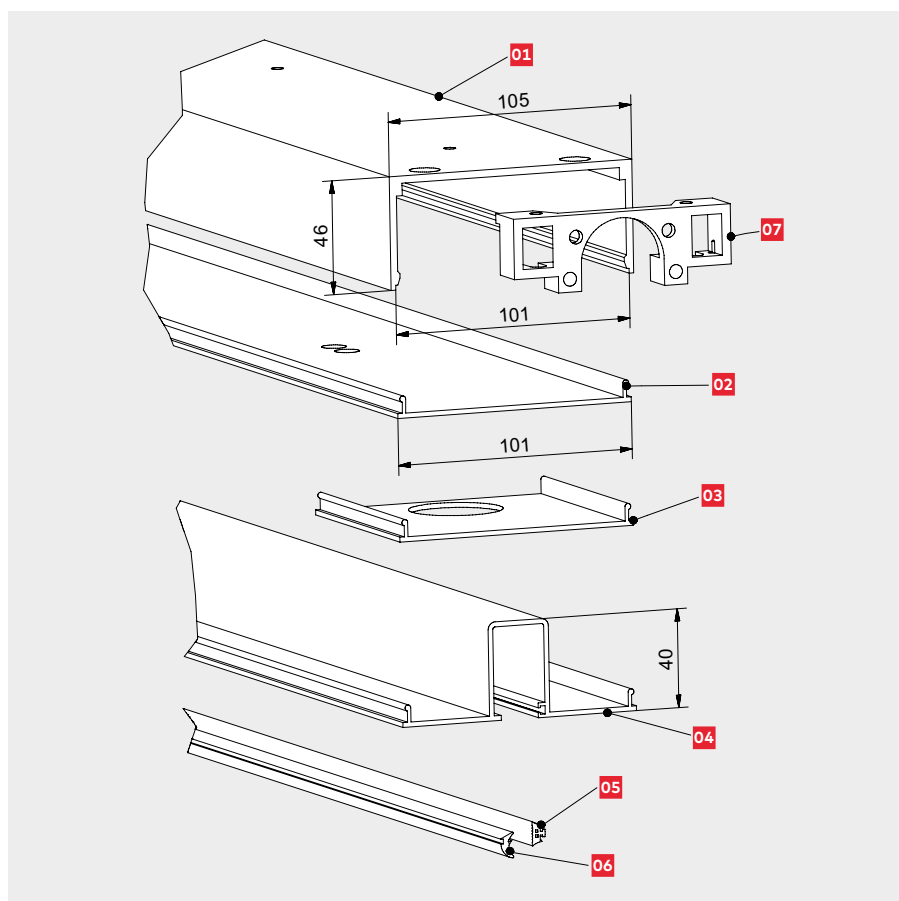
RP

Marvellously concealed transom door closer

The RP pivot door system works with a tubular transom profile in which the RTS transom closer is integrated and concealed. The system is fixed on the ceiling using brackets which are concealed after system installation. A top patch fitting (UNIVERSAL PT 22) attaches the all-glass door to the closer. A bottom patch fitting (UNIVERSAL PT 10) connects the door to the floor pivot, which measures only a few centimetres. So glass thicknesses of 8 – 12 mm are feasible.

The UNIVERSAL patch fittings can be replaced by door rails top and bottom or MUNDUS patch fittings as a special option. When using MUNDUS Premium patch fittings, you also have the option of installing laminated safety glass (LSG).

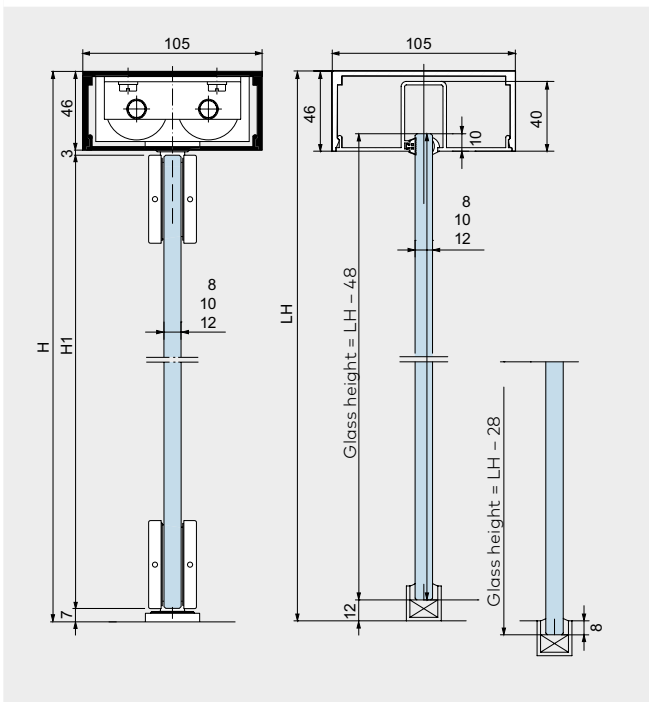
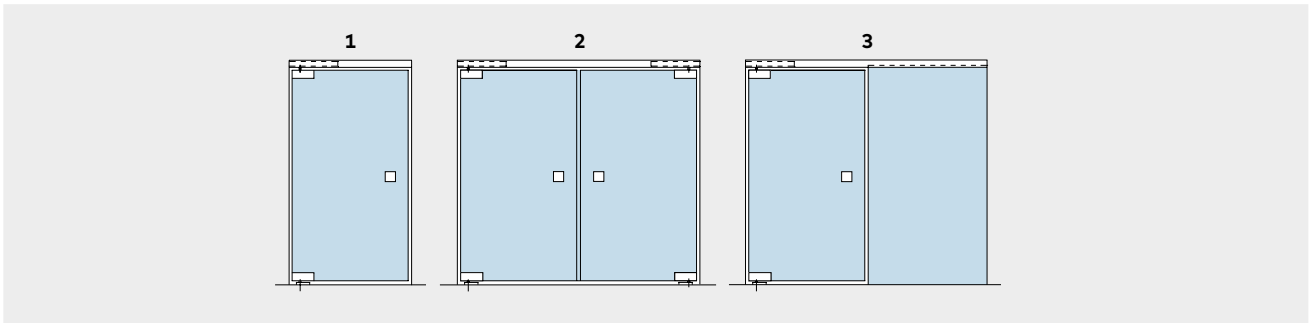
The RTS transom closer not only returns the door to the zero position each time it is opened, it also has a special dampening system to protect the door against unwanted impact caused by over-aggressive opening. In addition, the integral hold-open, which also comes as standard, enables the door to be held open at an angle of 90°.



Transom tube configuration:

- 01**
Transom tube for fixing on ceiling, as lintel or similar, max. length 6,000 mm
- 02**
Cover profile for door, clip-on, max. length 6,000 mm
- 03**
Cover profile for fixed sidelights, clip-on type with glass groove
- 04**
Cover profile for fixed sidelights, clip-on, with glazing groove
- 05 / 06**
Contact profile / glass wedge profile, depending on combination for 8, 10 or 12 mm glass thicknesses of the sidelight
- 07**
Fixing bracket for securing transom tube and closer

Type selection



Options

- 1 Single leaf double-action door with transom tube
- 2 Pair of double-action doors with transom tube
- 3 Double-action door with through-running transom tube and fixed sidelight

Materials and finishes

- Aluminum, silver EV1 anodized (similar Eloxal I EV1 / Eloxal II C 0) (101)
- Aluminum, similar satin stainless steel anodized (for profile material) (similar Eloxal II C 31) (113)
- Aluminum, traffic white powder coated (300)
- Aluminum special color anodized (199)
- Aluminum, special color powder coated (399)

Door panel dimensions

- Glass thicknesses: 8 / 10 / 12 mm
- Door height H1: H - 56 mm
- For max. door panel weights and widths please see the table below.

Sidelight dimensions

- Glass thickness: 8 / 10 / 12 mm with two-part sealing profile
- Sidelight height: H - 28 mm + floor pocket, where required

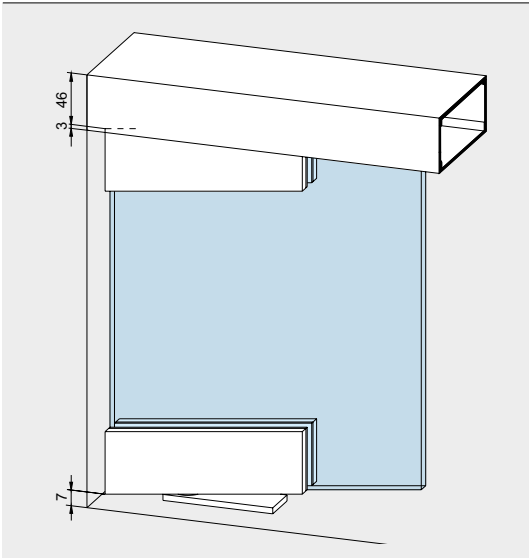
Also with door rails available

max. height	max. width	max. door weight (incl. fittings)	RTS version	
2,500	800-1,100	80 kg	RTS EN 3	
3,500	max. 1,250	110 kg	RTS EN 4	

with door rails top and bottom see detail sheets 04-030 and 04-060

If you have any questions regarding special designs with door rails or MUNDUS patch fittings, our Application Engineering department will be glad to advise you.

Double-action system for glass doors

	Product description	Art. No.
	<p>Double-action system for glass doors complete, consisting of 1 transom tube length 1,000 mm; 1 cover profile length 1,000 mm; 1 RTS 85 transom closer; EN3, hold open 90° (For door widths less than 800 mm, door closers of spring strength EN 2 may also be used. Please indicate requirement when ordering.) 1 fixing bracket; 1 bottom patch fitting PT 10; 1 top patch fitting PT 22; 1 floor pivot bearing</p> <p>Weight in kg: 8.083</p> <p>When ordering, please indicate the precise system dimensions or attach a corresponding drawing.</p>	<p>01.300</p>

	Product description	Art. No.
	<p>01 Transom tube for fixing at ceiling, as lintel, or similar, stock length 6,000 mm in fixed lengths Weight in kg/m: Aluminum 1.620</p>	<p>01.301 01.311</p>
	<p>02 Cover profile for door area, clip-on stock length 6,000 mm in fixed lengths Weight in kg/m: Aluminum 0.610</p>	<p>01.302 01.305</p>
	<p>03 Cover plate with cut-out for door closer spindle length 90 mm Weight in kg: Aluminum 0.056</p>	<p>01.303</p>
	<p>04 Cover profile with glass groove to clip on Art.No. 01.301 / 311, to hold fixed sidelights inclusive</p>	
	<p>05 / 06 Contact profile or glass wedge profile in 2 resp. 4 mm thicknesses, depending on combination for 8, 10 or 12 mm glass thickness of the sidelight stock length 6,000 mm in fixed lengths Weight in kg: Aluminum 0.810</p>	<p>01.304 01.314</p>
	<p>07 Fixing bracket for securing transom tube and closer Weight in kg: Aluminum 0.080</p>	<p>01.306</p>

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Accessories

Pull handles, door knobs and recessed pull grip

The pull handle/knob system is designed for glass of 8, 10 and 12 mm thickness.

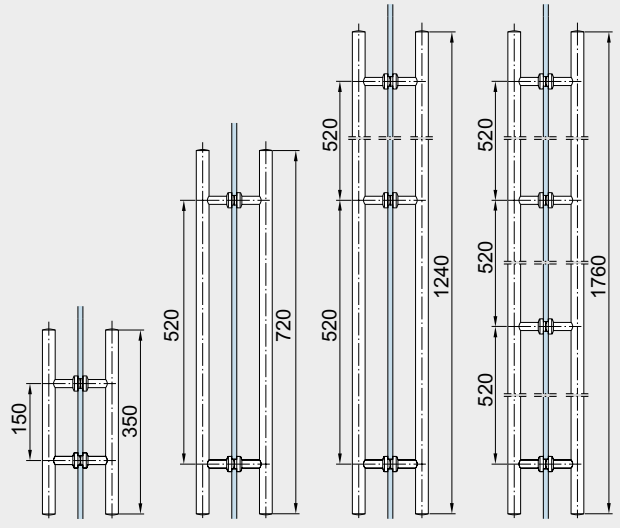
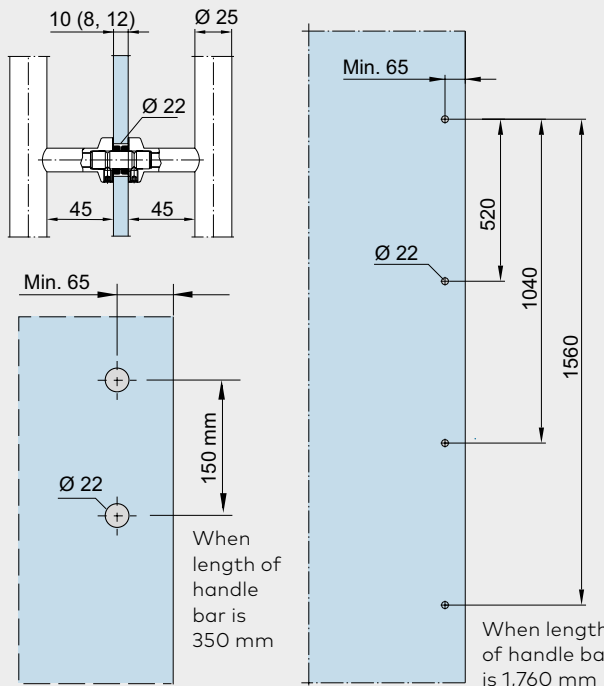
The pull handles can be fixed to both sliding and pivoting (swing) doors on one face using the appropriate connectors or on both faces by through-bolting (back-to-back arrangement).

Due to a flat structure recessed pull grips are also suitable for sliding doors.

The single-point fixings and through bolts are included as standard equipment in the scope of supply.



The pull handles can be fitted horizontally, vertically or in a handrail arrangement.

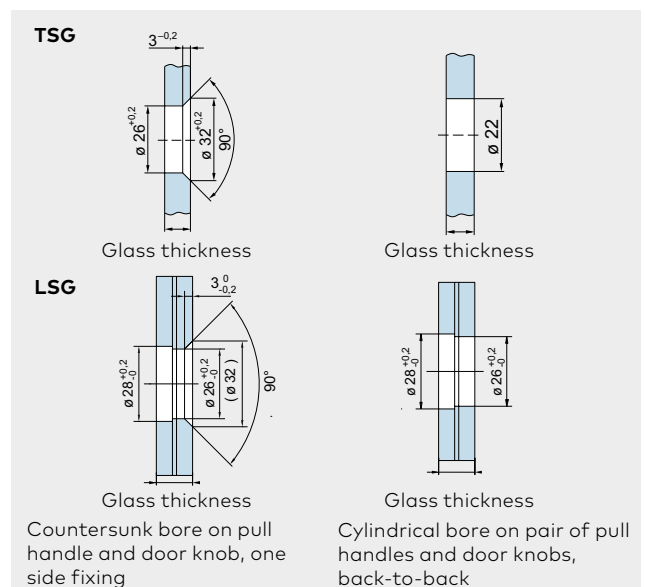
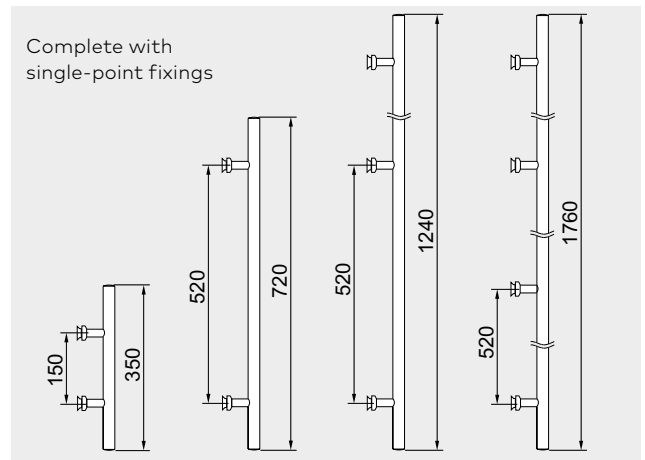
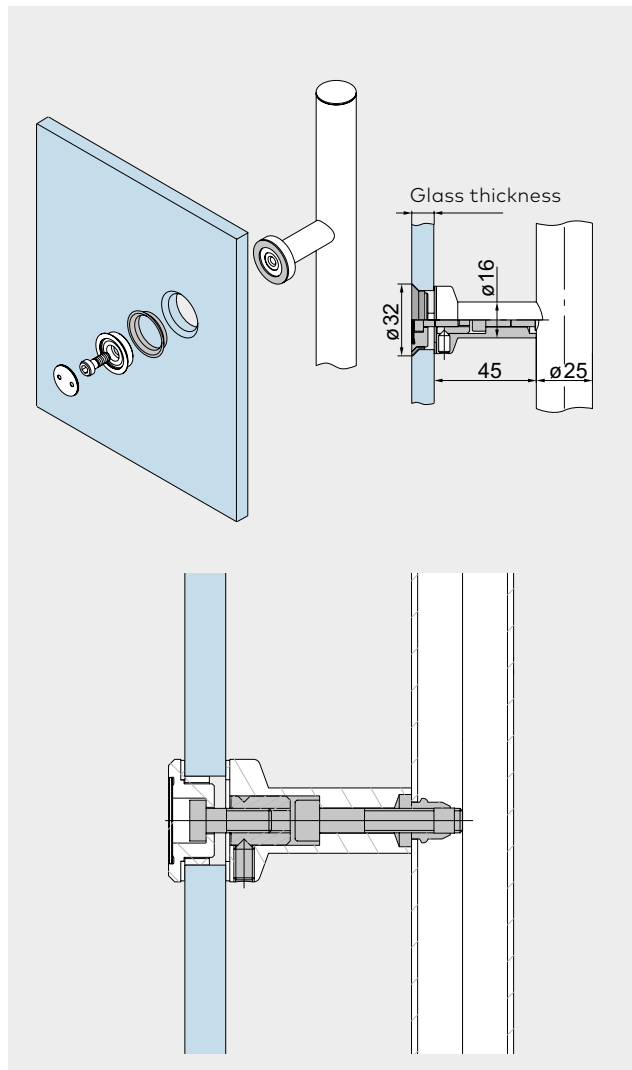


	Product description	Glass thickness	Art. No.
	<p>Pair of handle bars satin stainless steel length 350 mm, 2 hole fixing, weight in kg: 1.254 material 1.4305 do., material 1.4404</p>	8/10/12 mm	21.267* 21.247
	<p>Pair of handle bars aluminum length 350 mm, 2 hole fixing, weight in kg: aluminum 1.326</p>	8/10/12 mm	03.400
	<p>Pair of handle bars satin stainless steel length 720 mm, 2 hole fixing, weight in kg: 1.947 material 1.4305 do., material 1.4404</p>	8/10/12 mm	21.270* 21.250
	<p>Pair of handle bars aluminum length 720 mm, 2 hole fixing, weight in kg: aluminum 2.423</p>	8/10/12 mm	03.402
	<p>Pair of handle bars satin stainless steel length 1,240 mm, 3 hole fixing, weight in kg: 3.400 material 1.4305 do., material 1.4404</p>	8/10/12 mm	21.273* 21.253
	<p>Pair of handle bars satin stainless steel length 1,760 mm, 4 hole fixing, weight in kg: 5.000 material 1.4305 do., material 1.4404</p>	8/10/12 mm	21.276* 21.256

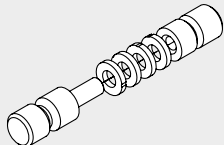
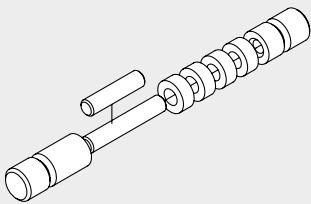
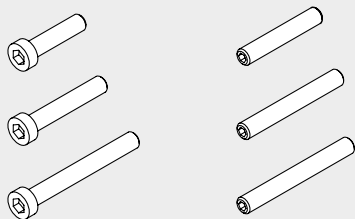
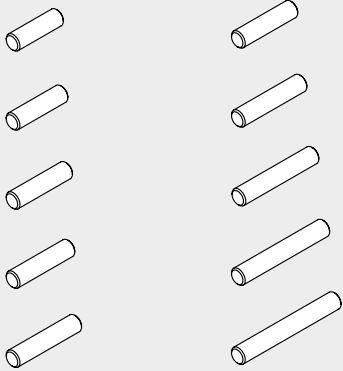
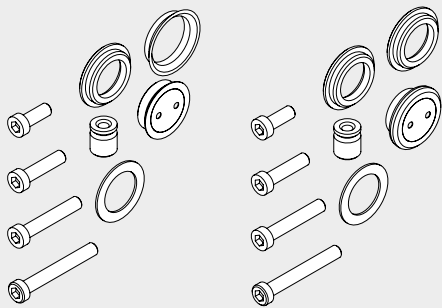
* Conversion sets for back to back pull handles for timber doors resp. other glass thicknesses see unter "Spacing adjustment for pull handles and door knobs", page 171.

Pull handles single

	Product description	Glass thickness	Art. No.	
	Pull handles with single-point fixings, countersunk Edelstahl Pull handle 350 mm with 2 fixings, material 1.4305 do., AISI 316L Pull handle 720 mm with 2 fixings, material 1.4305 do., AISI 316L Pull handle 1,240 mm with 3 fixings, material 1.4305 do., AISI 316L Pull handle 1,760 mm with 4 fixings, material 1.4305 do., AISI 316L	8/10/12 mm	29.268 29.269 29.271 29.272 29.274 29.275 29.277 29.278	
		Pull handles with single-point fixings, clamping disc Pull handle 350 mm with 2 fixings, material 1.4305 do., AISI 316L Pull handle 720 mm with 2 fixings, material 1.4305 do., AISI 316L Pull handle 1,240 mm with 3 fixings, material 1.4305 do., AISI 316L Pull handle 1,760 mm with 4 fixings, material 1.4305 do., AISI 316L	8/10/12 mm	21.240 21.241 21.281 21.242 21.243 21.283



Spacing adjustment for pull handles and door knobs

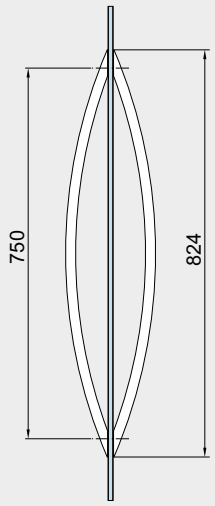
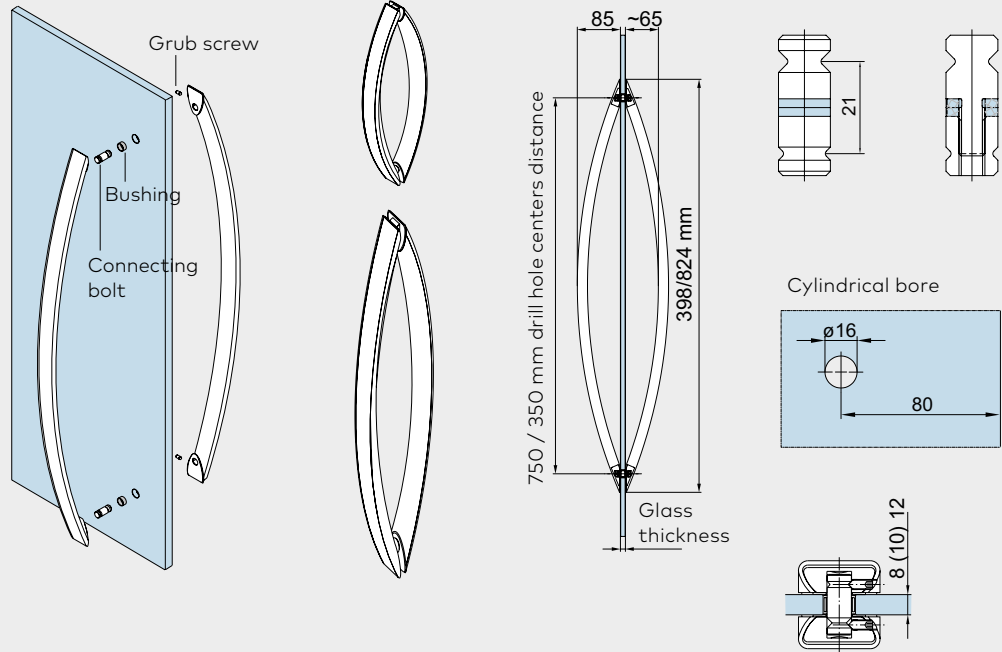
	Product description	Door thickness	Art. No.
 <p>Distance washer 2 mm</p>	<p>Conversion set 1 for glass doors, pair of pull handles / knob back-to-back</p> <p>without distance washer with 1 distance washer with 2 distance washers with 3 distance washers with 4 distance washers</p>	<p>13.5 – 21.5 mm</p> <p>13.5 mm 15 mm 17.5 mm 19 mm 21.5 mm</p>	21.285
 <p>Distance washer 5 mm</p>	<p>Conversion set 2 for timber doors, pair of pull handles / knob back-to-back</p> <p>without distance washer with 1 distance washer with 2 distance washers with 3 distance washers with 4 distance washers</p>	<p>20 – 40 mm</p> <p>20 mm 25 mm 30 mm 35 mm 40 mm</p>	21.286
 <p>Set 3 Set 4</p>	<p>Conversion set 3 for glass / timber doors*, pair of pull handles / knob back-to-back, countersunk 15 - 40 mm glass / timber thickness</p>		21.287
	<p>Conversion set 4 for glass / timber doors*, pair of pull handles / knob back-to-back, clamping disc 15 - 40 mm glass / timber thickness</p>		21.288
 <p>Set 5 Set 6</p>	<p>Conversion set 5 for glass doors*, recessed pull grip 13.5 - 21.5 mm glass thickness</p>		21.295
	<p>Conversion set 6 for timber doors*, recessed pull grip 20 - 40 mm timber thickness</p>		21.296
 <p>Set 7 Set 8</p>	<p>Conversion set 7 for glass / timber doors*, for pull handles fixed on both sides to pull handle fixed on one side, countersunk 8 - 40 mm glass / timber thickness 1 set per pull handle fixing</p>		21.297
	<p>Conversion set 8 for glass / timber doors*, for pull handles fixed on both sides to pull handle fixed on one side, clamping disc 8 - 40 mm glass / timber thickness 1 set per pull handle fixing</p>		21.298

*Not suitable for Arcos pull handles 26.500 / 26.510

Pair of pull handles

	Product description	Glass thickness	Art. No.
	<p>Lockable back-to-back handle bar, 1,225 mm, with 2 fixings, complete with closing device and cylinder</p>	<p>6 – 16 mm</p>	<p>21.279</p>

Arcos pull handle

	Product description	Glass thickness	Art. No.
	<p>Arcos pair of pull handle incl. connecting bolt Aluminium, stainless steel look</p> <p>Pull handle 350 mm with 2 fixings Pull handle 750 mm with 2 fixings</p>	<p>8/10/12 mm</p>	<p>26.500 26.510</p>
			

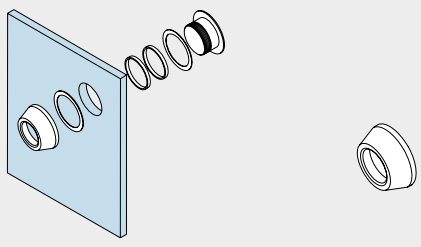
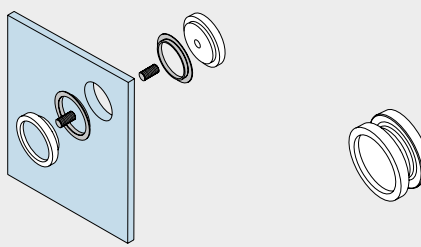
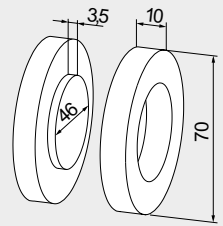
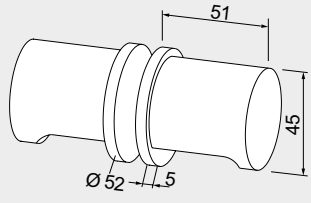
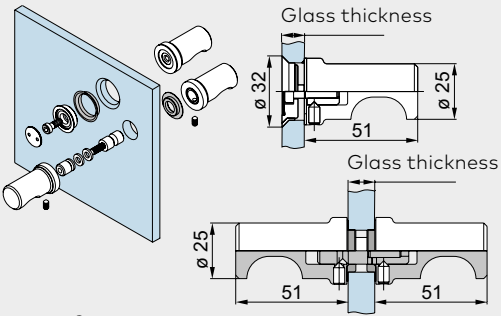
Handle bars

	Product description	Art. No.
	<p>Pair of pull handles for 8-13.5 mm glass H-Form, with 2 single-point fixings, stainless steel</p> <p>length 350 mm length 550 mm length 700 mm</p>	<p>29.291 29.292 29.293</p>

Pull handle fixing

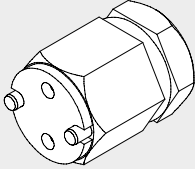
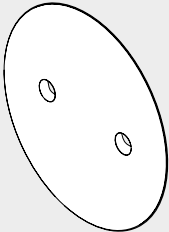
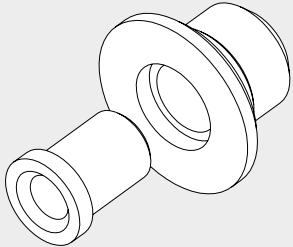
	Product description	Art. No.
	<p>Single pull handle fixings 20 mm Ø hole prep. required</p> <p>Weight in kg: Aluminum 0.135</p>	<p>13.001</p>
	<p>Back to back pull handle fixings 20 mm Ø hole prep. required</p> <p>Weight in kg: Aluminum 0.249</p>	<p>13.002</p>

Recessed pull grips and door knobs

	Product description	Glass thickness	Art. No.
 <p>Ø 38 mm</p>	<p>Recessed pull grip Ø 50 mm</p>	8/10/12 mm	21.290
 <p>Ø 50 mm</p>	<p>Recessed pull grip Ø 60 mm</p> <p>Recessed pull grip with grip hole Ø 60 mm</p>	8/10/12 mm 8 mm 10 mm 12 mm	21.291 21.292 21.293 21.294
 <p>Ø 50 mm</p>	<p>Recessed pull grip aluminum to be glued onto the glass Weight in kg: 0.072</p>		07.200
 <p>Ø 20 mm</p>	<p>Door knob, aluminum Weight in kg: 0.400</p>		07.201
 <p>Single-point fixing clamping disc (Ø 22 mm)</p> <p>(Glass preparation please see under "pull handles single", page 170)</p>	<p>Door knob one side fixing</p> <p>Door knob with single-point fixing, countersunk Door knob with single-point fixings, clamping disc</p> <p>Door knob back-to-back</p>	8/10/12 mm	21.422 21.426 21.423

Note: To ensure better load transmission, please use a pull handle in conjunction with the DORMOTION damping unit.

Accessories / Assembling aid

	Product description	Art. No.
	Assembling tool for MANET single-point fixing	21.134
	Clip-on cover for single-point fixing with spring, 5 pieces material 1.4305 do.material 1.4404	29.217 29.219
	Drilling jig for MANET single-point fixing serie S32/35	21.137

Space for your notes

Finishes and colours

All the common patterns and types are available ex-stock (factory) with the following finishes and colours.

Specials and glass assemblies in bespoke colour anodising and powder coating will be prepared promptly.

Standard finishes and colours	STUDIO Rondo	STUDIO Classic	STUDIO Gala 2.0	STUDIO Arcos	STUDIO Medio	OFFICE Junior	OFFICE Classic	OFFICE Arcos	BEYOND	TENSOR	VISUR	RP Patch fittings
Aluminum, silver EV1 anodized (similar Eloxal I EV1/Eloxal II C 0) (101)												•
Aluminum, brass colored EV3 anodized (similar Eloxal I EV 3) (105)	•											
Aluminum, similar satin stainless steel anodized (107)						•			•			
Aluminum, dark bronze DB 14 anodized (similar Eloxal I DB 14/MC 1003/Eloxal II C 34) (108)	•											
Aluminum, AL similar satin stainless steel anodized (for profile material) (similar Eloxal II C 31) (113)										•		•
Aluminum, EV1-Deco anodized (compatible with finish 150) (114)				•	•			•	•	•	•	
Aluminum, silver anodized (Silver N 600 ST) (compatible with finish 114) (150)	•	•	•			•	•					
Aluminum, niro anodized (Niro N 700) (157)	•	•	•	•	•	•	•	•				
Aluminum, special color anodized (199)	•	•		•	•	•	•	•				•
Aluminum, traffic white powder coated (300)	•	•		•		•	•	•				•
Aluminum, white powder coated (White P 100 SG) (350)			•									
Aluminium, special color powder coated (Standard powder according to RAL) (399)	•	•		•	•	•	•	•				•
Brass, polished chrome (501)	•			•		•						
Brass, polished varnished (502)	•			•		•						

Safety-related information

Important safety-related information for the mounting and use of dormakaba glass fittings

(Follow these instructions in addition to the mounting and operating instructions in order to avoid damage of product and damage to person or property.)

Important: All users have to be informed about relevant points mentioned in these safety-related information and the mounting and operating instructions!

General information

1. dormakaba recommends using TSG-H (heat soaked toughened safety glass) to DIN EN 12150-1.
2. dormakaba glass fittings are not suitable for application in rooms where chemicals (e. g. chlorine) are used such as indoor swimming pools, saunas or salt-water pools.
3. Never move sliding panels faster than walking speed and always stop the door manually before it reaches end position.
4. Do not shut swing doors with excessive force. Install door stop to prevent door from opening too far.

Mounting

1. Only properly qualified and specially trained staff is authorised to mount dormakaba glass fittings.
2. Never use glass with conchoidal fractures and / or damaged edges.
3. Due to crushing hazards – among others in the area of the secondary closing edge – and possible injury caused by breakage of glass during mounting, corresponding protective clothing (especially gloves and protective goggles) is required.
4. Clean clamping area with fat solvent (standard commercial cleaning agent) before mounting the glass fitting.
5. Never use clamping shoes on structured glass surfaces (except on satined glass) or glass of heavily varying thickness unless with a corresponding levelling layer.
6. Never use clamping shoes on self-cleaning coatings.
7. When adjusting glass elements, always stick to the required clearance for the respective fitting. Adjust clearance so that the glass does not touch hard components such as glass, metal or concrete.
8. Make sure not to use excessive force when installing the glass (avoid local stress resulting from very tight screws).

Maintenance

Check fittings at regular intervals for proper positioning and smooth running and door for correct adjustment. Especially highly-frequented door systems require inspection by properly qualified staff (specialised companies or installation firms). Immediately replace damaged glass elements (no glass flaking and / or conchoidal fractures)!

General care instructions

The surface finishes of the fittings are not maintenance-free and should be cleaned according to their material and design.

- For metallic surfaces (anodised finishes, stainless steel) please use appropriate cleaning agents without abrasive additives only.
- For varnished surfaces please use appropriate solvent-free cleaning agents only.
- Brass surfaces (without surface protection) have to be treated with an appropriate maintenance agent on occasion, to avoid tarnishing.

Please make full use of our dormakaba DETAIL drawings as a practical aid to your system planning work.

The printed colours indicating the surface finishes are not 100% true, but do provide a useful guide. Statements made with regard to the nature or use of the products are for the purposes of descriptions. Assent with regard to the existence of particular properties or particular uses always requires special written agreement. Pictures may show special designs which are different to the standard scope of delivery.

Subject to change without notice.



Door Hardware



Entrance systems



Electronic
Access & Data



Interior
Glass Systems



Mechanical
Key Systems



Service

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