Bohle

Self-closing patch fitting

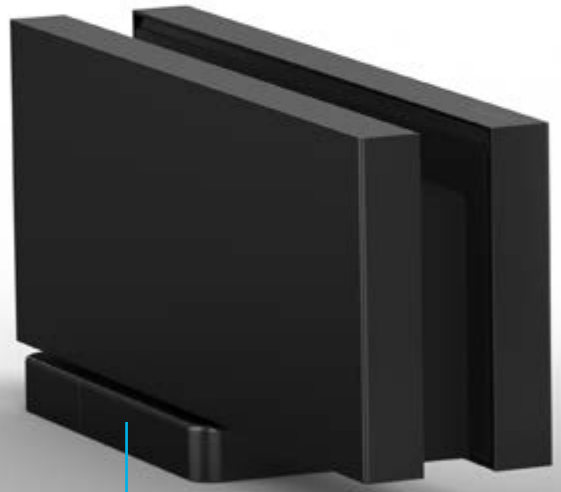
Alva

For glass doors in a class of their own

Alva – Self-closing patch fitting in a class of its own

With convenient installation options and sleek design, the Alva patch fitting is among the best in its class.

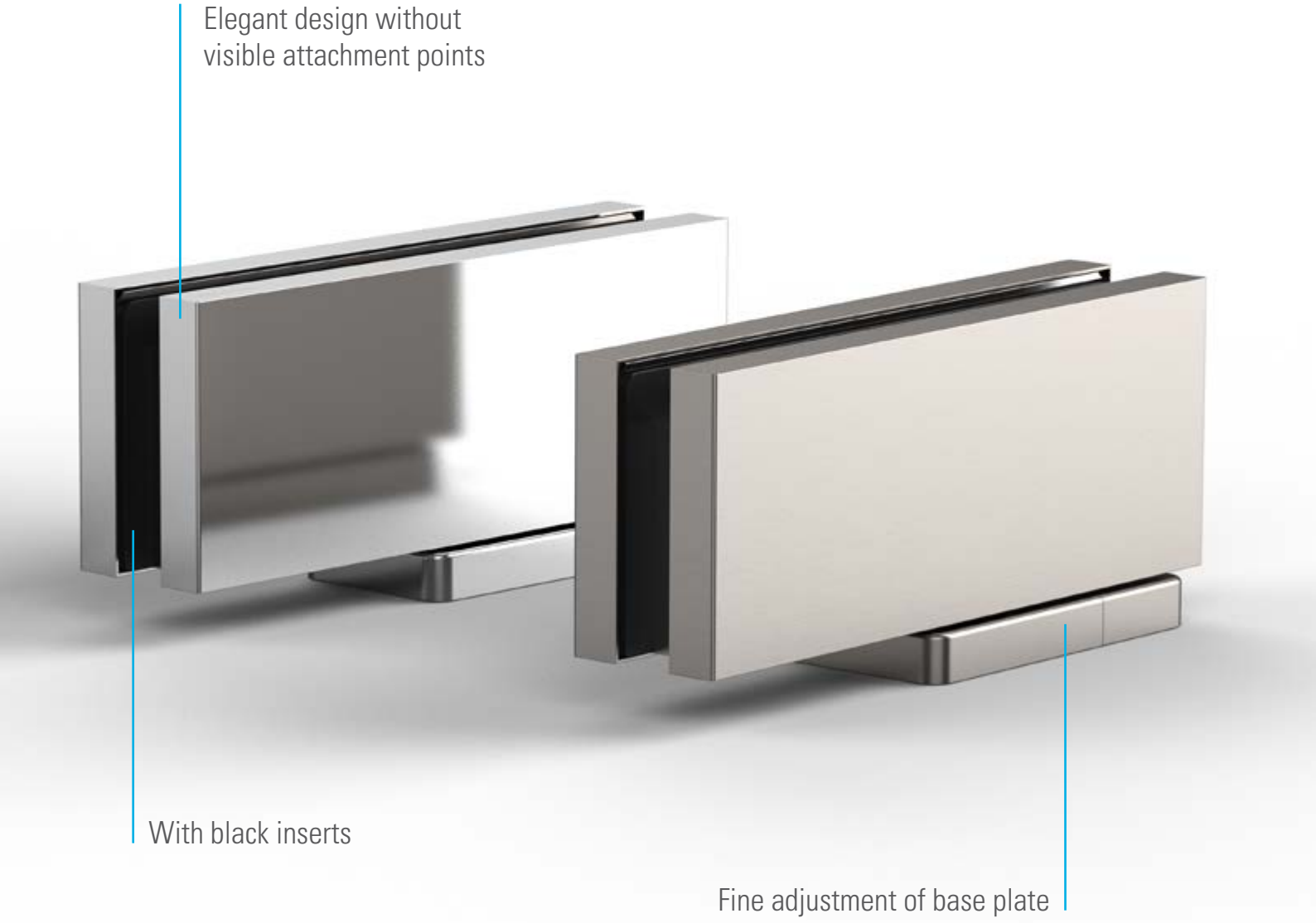
The fitting with EN5 closing force has the same dimensions (184 x 70 mm) as the EN3 patch fitting and therefore provides a uniform visual appearance of differently sized doors in the same room. It is particularly suited for wide and heavy doors.



Installation without floor recess, the base plate is only fastened to the ground with two screws

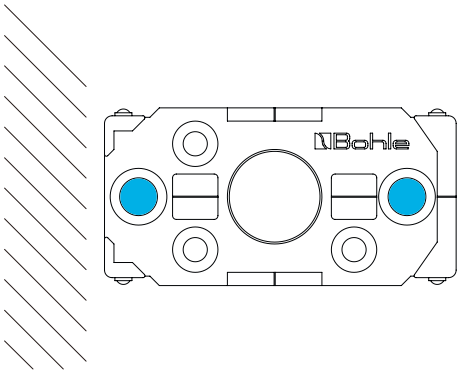
Experience the Alva patch fitting on YouTube

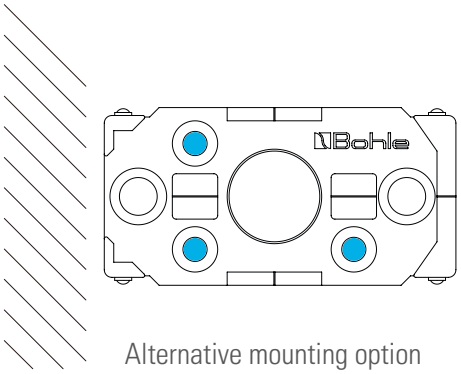
Closing force	EN3	EN5
Glass thickness tempered glass	8 - 12 mm	10 - 15 mm
Size	184x70 mm	184x70 mm
Door width	750-1000 mm	1000-1250 mm
Max. door weight	100 kg	100 kg
Max. door height	2590 mm	2590 mm
Max. door opening angle	170°	150°
Adjustable closing speed	170° - 15° / 15° - 0°	150° - 15° / 15° - 0°
Closing cycles as/analogous per DIN EN 1154	500.000 cycles (ift Rosenheim)	500.000 cycles
Circumference	Indoor and roofed outdoor areas / averagely frequented doors	
Zero position	adjustable ±3°	
Ambient temperature	-20° - +50°C	
Corrosion resistance class 3 according to DIN EN 1670	3	
Use	with possible stoppers	



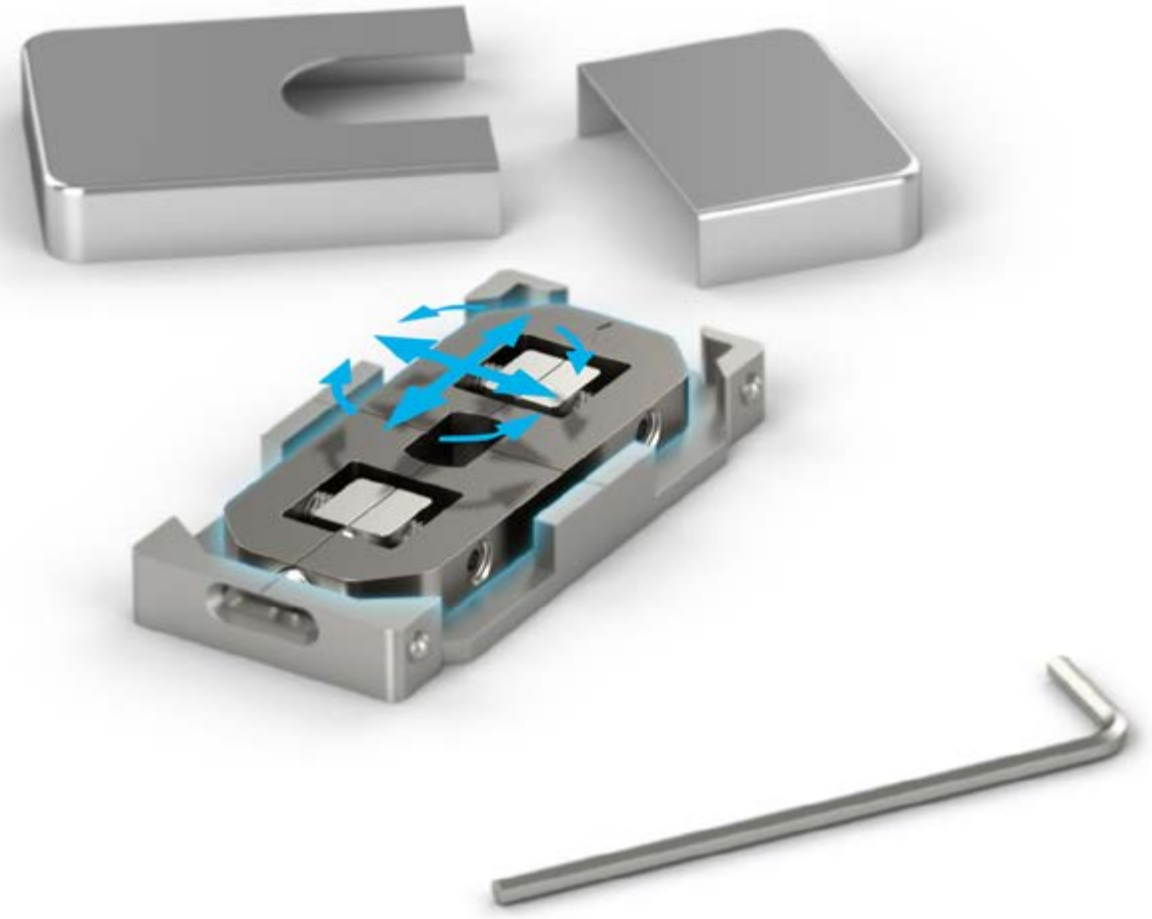
CONVENIENT INSTALLATION

With Alva, floor recesses are a thing of the past. The fitting is fixed to the ground with only two instead of four screws and the aid of a base plate. To make drilling into the substrate as convenient as possible, there are 29 mm between the wall and the first drill hole, leaving enough space for vertical drilling.



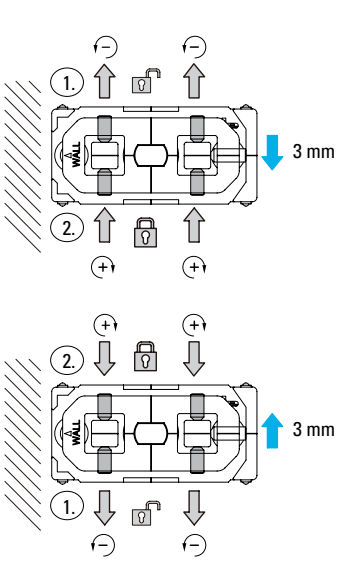


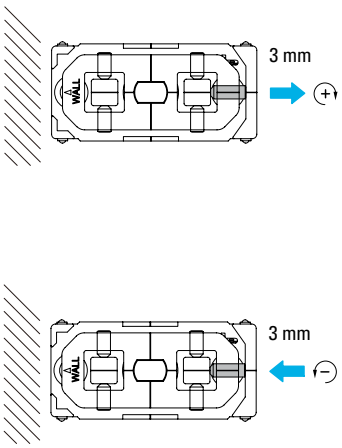
Alternative mounting option

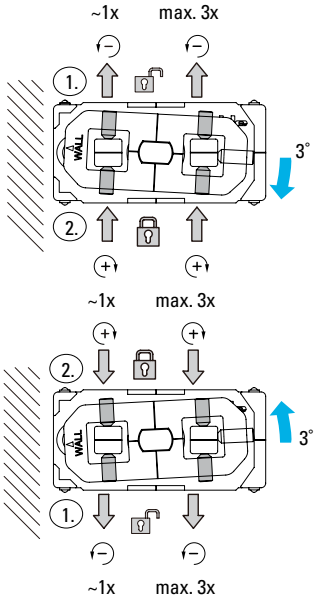


FINE ADJUSTMENT OF THE BASE PLATE

The door is brought into an ideal position with the aid of four adjusting screws. This enables fine adjustment to the vertical alignment and the zero position, which can be adjusted by up to ±3 mm / +/- 3°. Wall distance and vertical alignment, can also be adjusted easily by ±3 mm with the aid of a fifth adjusting screw.







CLEAR-CUT LINES, TIMELESS DESIGN

The straight-lined design delivers convincing performance. Thanks to the innovative plug-in fastening, there are no visible screws, fastening points or notches on the cover caps. Slightly rounded corners and black inserts create the impression of a shadow gap, emphasising the high-quality appearance of the system.

Alva Self-closing Patch Fitting Set EN3 Including PT20 PLUS patch fitting and top pivot

CLOSING FORCE · HOLD POSITION · FINISH	ART. NO.
EN3 · 90° · brushed stainless steel	BO 5216626
EN3 · 90° · Matt black RAL 9005	BO 5216628

Max. door width	1000 mm
Max. door weight	100 kg
Material	stainless steel V2A
Max. door opening angle	170 °

For averagely frequented buildings · Tested by the German ift Rosenheim testing authority with 500,000 cycles as per DIN EN 1154 · Continuously adjustable closing speed and latching mechanism 170° - 15° / 15° - 0° · Can be used with stopper · Suitable for indoor and roofed outdoor areas · Door width 750 - 1000 mm · max. door height 2590 mm · adjustable zero position ±3° · Glass thickness tempered glass 8 -12 mm · ambient temperature -20° - +50°C · Corrosion resistance 3 · Size 184 x 70 mm · Black inserts for all surfaces · Please note: Do not use with laminated safety glass

INCLUDED IN DELIVERY:

1x Self-closing Alva Fitting EN3
1x Floor Mounting Plate
2x Plugs ø 10 x 30 mm
2x Screws M8 x 30 mm
1x Patch Fitting PT20 PLUS
1x Top Pivot

500,000
ift-TESTED CYCLES

Alva Self-closing Patch Fitting EN3

CLOSING FORCE · HOLD POSITION · FINISH	ART. NO.
EN3 · 90° · brushed stainless steel	BO 5216606

Max. door width	1000 mm
Max. door weight	100 kg
Material	stainless steel V2A
Max. door opening angle	170 °

For averagely frequented buildings · Tested by the German ift Rosenheim testing authority with 500,000 cycles as per DIN EN 1154 · Continuously adjustable closing speed and latching mechanism 170° - 15° / 15° - 0° · Can be used with stopper · Suitable for indoor and roofed outdoor areas · Door width 750 - 1000 mm · max. door height 2590 mm · adjustable zero position ±3° · Glass thickness tempered glass 8 -12 mm · ambient temperature -20° - +50°C · Corrosion resistance 3 · Size 184 x 70 mm · Black inserts for all surfaces · Please note: Do not use with laminated safety glass

INCLUDED IN DELIVERY:

1x Self-closing Alva Fitting EN3
1x Floor Mounting Plate
2x Plugs ø 10 x 30 mm
2x Screws M8 x 30 mm

500,000
ift-TESTED CYCLES

Alva Patch fitting top PT20 PLUS

FINISH	ART. NO.
brushed	BO 5216610
polished	BO 5216611
Matt black RAL 9005	BO 5216612

Suitable cover caps for self-closing Alva patch fittings EN3 and EN5 · with plastic bushing for 15 mm diameter pin · Glass thickness tempered glass 8 -12 mm

Alva Self-closing Patch Fitting Set EN5 Including PT20 PLUS HD patch fitting and top pivot

CLOSING FORCE · HOLD POSITION · FINISH	ART. NO.
EN5 · 90° · brushed stainless steel	BO 5216681

Max. door width	1250 mm
Max. door weight	100 kg
Closing force	EN5
Material	stainless steel V2A
Max. door opening angle	150 °
Hold position	90°

For averagely frequented buildings · Continuously adjustable closing speed and latching mechanism 150° - 15° / 15° - 0° · Can be used with stopper · Suitable for indoor and roofed outdoor areas · Door width 1000 - 1250 mm · max. door height 2590 mm · adjustable zero position ±3° · Glass thickness tempered glass 10 -15 mm · ambient temperature -20° - +50°C · Corrosion resistance 3 · Size 184 x 70 mm · Black inserts for all surfaces · Please note: Do not use with laminated safety glass

INCLUDED IN DELIVERY:

1x Self-closing Alva Fitting EN5
1x Floor Mounting Plate
2x Plugs ø 10 x 30 mm
2x Screws M8 x 30 mm
1x Patch Fitting PT20 PLUS HD
1x Top Pivot

Alva Self-closing Patch Fitting EN5

CLOSING FORCE · HOLD POSITION · FINISH	ART. NO.
EN5 · 90° · brushed stainless steel	BO 5216679
EN5 · without · brushed stainless steel	BO 5216680

Max. door width	1250 mm
Max. door weight	100 kg
Material	stainless steel V2A
Max. door opening angle	150 °

For averagely frequented buildings · Continuously adjustable closing speed and latching mechanism 150° - 15° / 15° - 0° · Can be used with stopper · Suitable for indoor and roofed outdoor areas · Door width 1000 - 1250 mm · max. door height 2590 mm · adjustable zero position ±3° · Glass thickness tempered glass 10 -15 mm · ambient temperature -20° - +50°C · Corrosion resistance 3 · Size 184 x 70 mm · Black inserts for all surfaces · Please note: Do not use with laminated safety glass

INCLUDED IN DELIVERY:

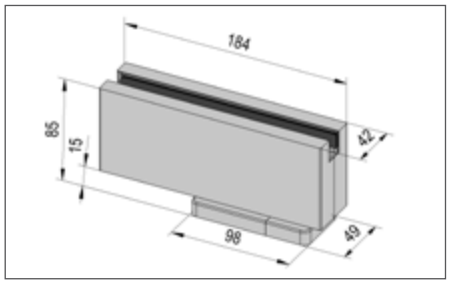
1x Self-closing Alva Fitting EN5
1x Floor Mounting Plate
2x Plugs ø 10 x 30 mm
2x Screws M8 x 30 mm

Alva Patch fitting top PT20 PLUS HD

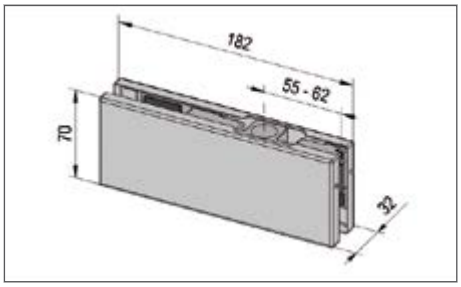
FINISH	ART. NO.
brushed	BO 5216617

Suitable cover caps for self-closing Alva patch fittings EN3 and EN5 · with plastic bushing for 15 mm diameter pin · Glass thickness tempered glass 10 -15 mm

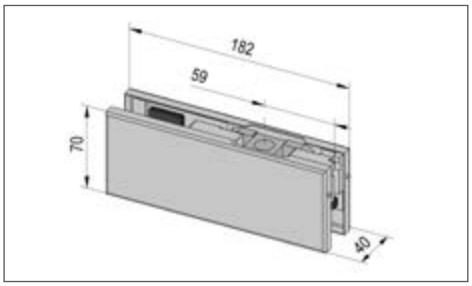
Product details



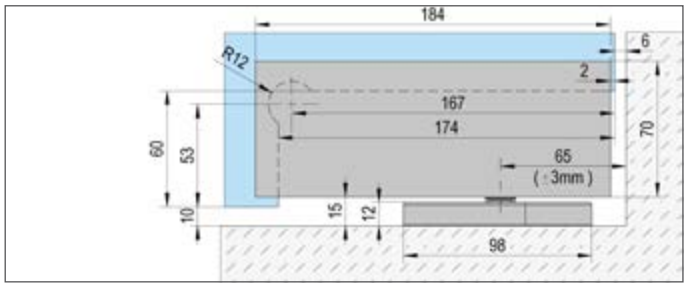
Alva EN3 / EN5

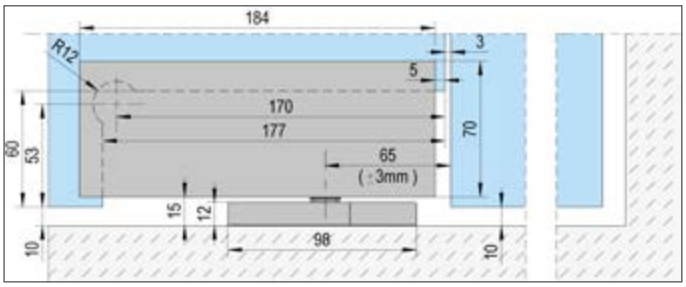


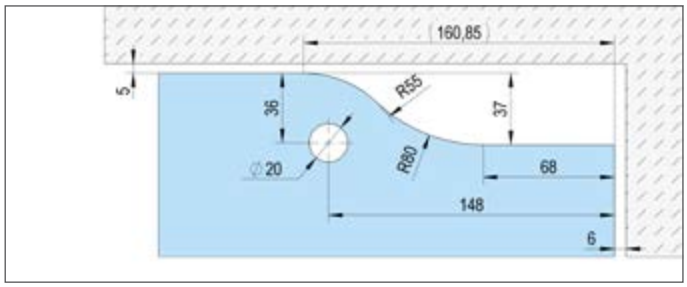
PT20 Plus

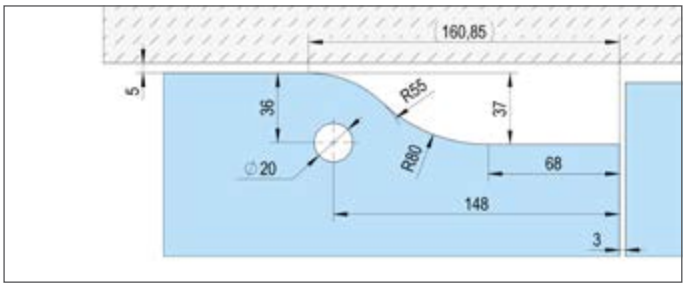


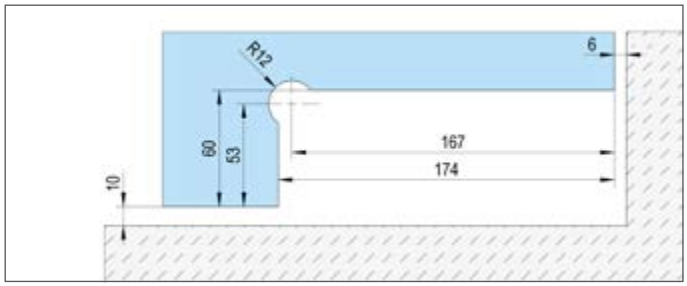
PT 20 Plus HD

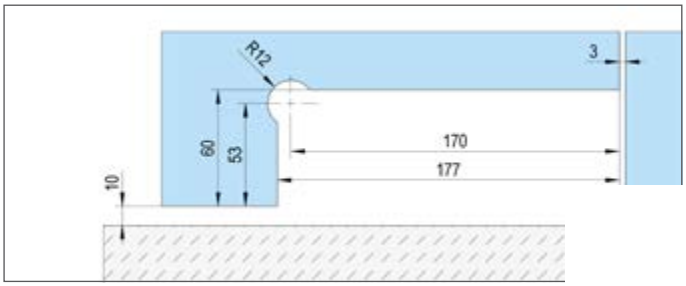








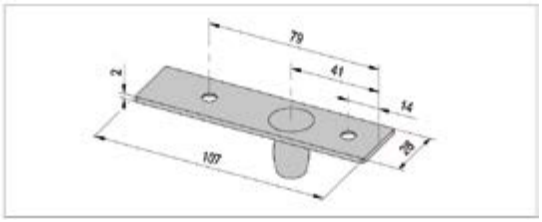




Top Pivot PT 24

FINISH	ART. NO.
brushed	BO 5216615
polished	BO 5216616
black	BO 5216615B

Material	stainless steel V2A



Pin diameter 15 mm

Cover Cap Set for Self-closing Alva Fitting EN3 and EN5

FINISH	ART. NO.
brushed	BO 5216635
polished	BO 5216636
Matt black RAL 9005	BO 5216637

Material	stainless steel V2A

Suitable cover caps for self-closing Alva patch fittings EN3 and EN5

INCLUDED IN DELIVERY:

2x Patch Fitting Cover Cap
2x Floor Mounting Plate Cover Cap

Cover Caps for Alva Patch Fitting Set top PT20 PLUS / PLUS HD

FINISH	ART. NO.
brushed	BO 5216640
polished	BO 5216641
Matt black RAL 9005	BO 5216645

Material	stainless steel V2A

Suitable cover caps for Alva patch fittings top PT20 PLUS and PT20 PLUS HD

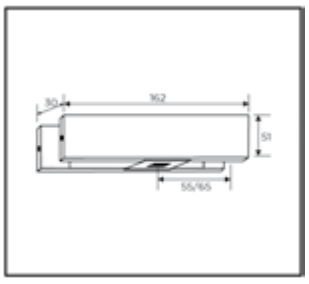
11

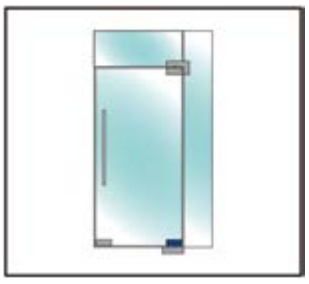
SUPPLEMENTARY PRODUCTS FOR **ALL-GLAS INSTALLATIONS**

Patch fitting bottom PT 10

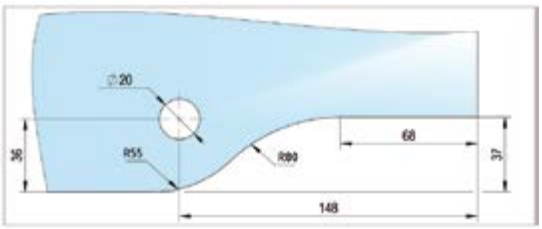
FINISH	ART. NO.
brushed	BO 5214266

Max. door width	1200 mm
Max. door weight	100 kg
Material	stainless steel AISI 304





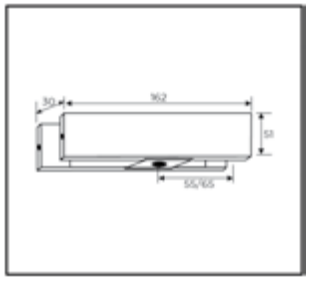
ⓘ With insert for flat conical axle · Adjustable pivot (55/65 mm) · Glass thickness tempered glass 10, 12 mm

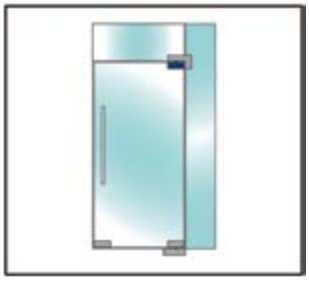


Patch Fitting top PT20

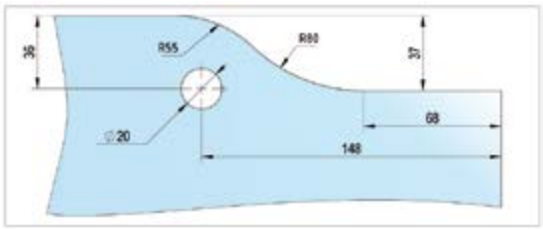
FINISH	ART. NO.
brushed	BO 5214264

Max. door width	1200 mm
Max. door weight	100 kg
Material	stainless steel AISI 304





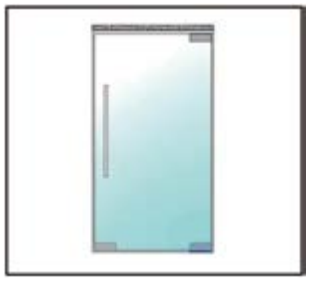
With plastic bushing for 15 mm diameter pin · Adjustable pivot (55/65 mm) · Glass thickness tempered glass 10, 12 mm

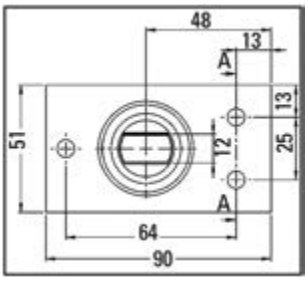


Floor Pivot PT11

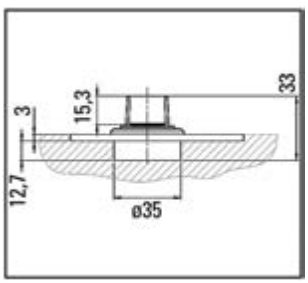
FINISH	ART. NO.
brushed	BO 5214288

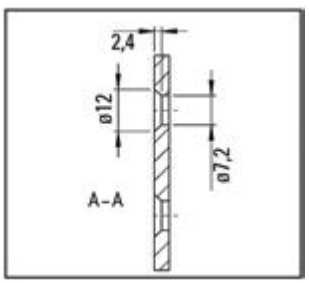
Material	stainless steel AISI 304





Important: Please use a floor spring for closing the door automatically



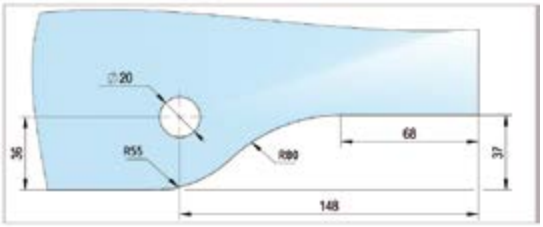


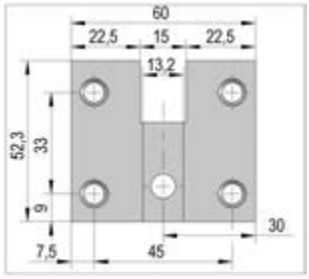
Overpanel Fitting with Screw-on plate PT30.3

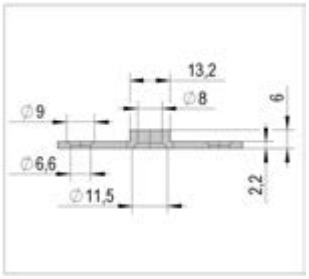
FINISH	ART. NO.
brushed	BO 5214267

Material	stainless steel AISI 304

With pin ø15 mm · Adjustable pivot (55/65 mm) · Glass thickness tempered glass 10, 12 mm · Mounting plate supplied loose



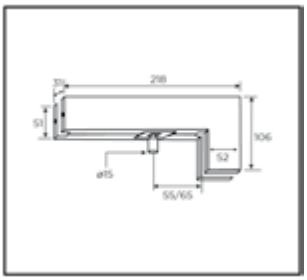




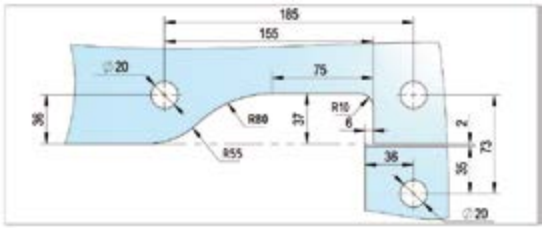
Angled Overpanel Fitting PT40

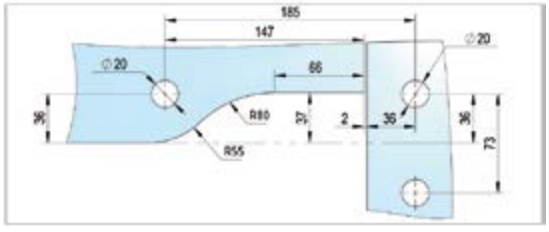
FINISH	ART. NO.
brushed	BO 5214263

Material	stainless steel AISI 304



With pin ø15 mm · Adjustable pivot (55/65 mm) · Glass thickness tempered glass 10, 12 mm

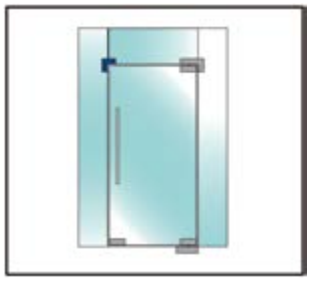


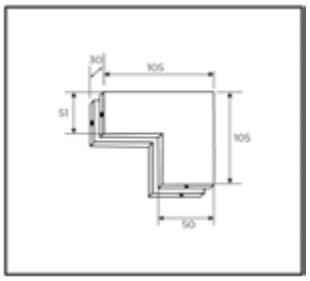


Corner Clamp PT60

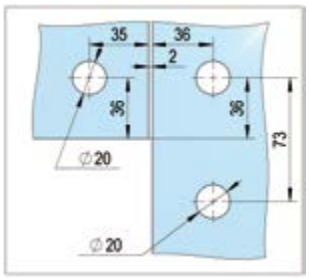
FINISH	ART. NO.
brushed	BO 5214271

Material	stainless steel AISI 304





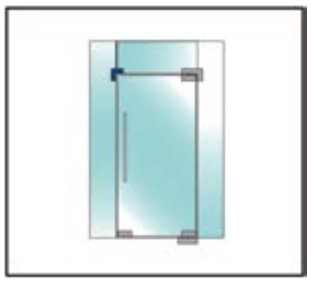
Glass thickness tempered glass 10, 12 mm

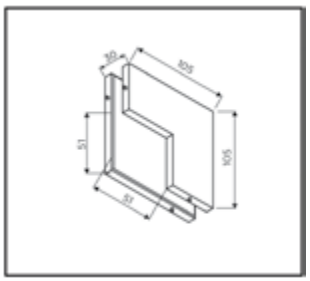


Corner Clamp with Stopper PT61

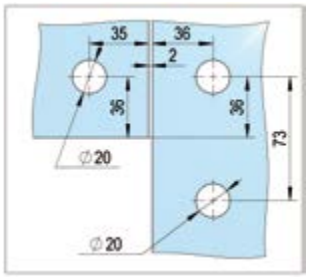
FINISH	ART. NO.
brushed	BO 5214274

Material	stainless steel AISI 304





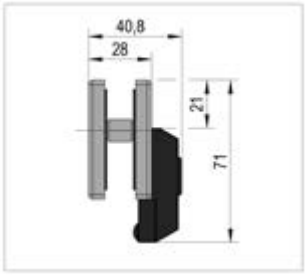
Glass thickness tempered glass 10, 12 mm

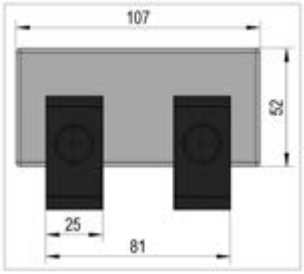


Overpanel Connector with Stopper PT72

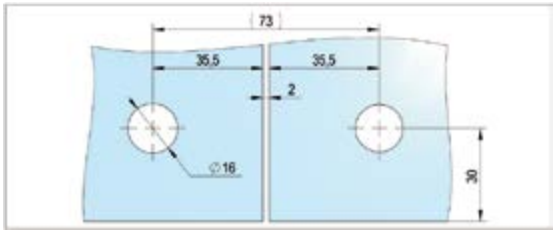
FINISH	ART. NO.
brushed	BO 5214260

Material	stainless steel AISI 304





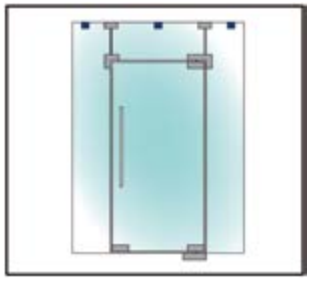
Glass thickness tempered glass 10, 12 mm

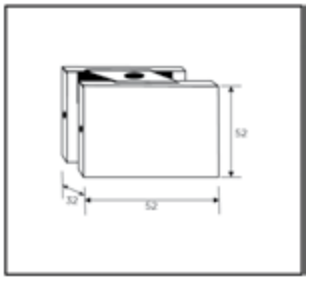


glass/wall Connector PT90

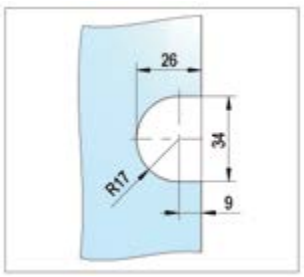
FINISH	ART. NO.
brushed	BO 5214278

Material	stainless steel AISI 304





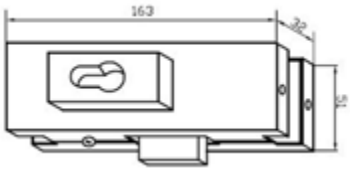
Glass thickness tempered glass 10, 12 mm



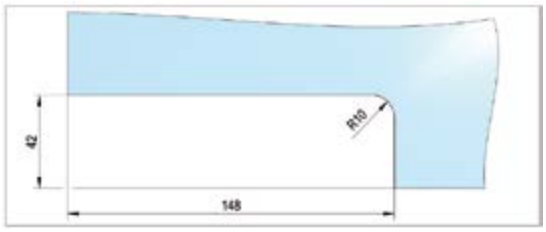
Patch Lock with flat bolt US10

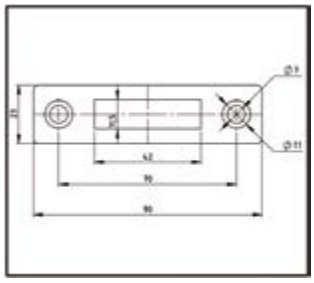
FINISH	ART. NO.
brushed	BO 5214280

Material	stainless steel AISI 304



Euro profile cylinder (individual key) 60 mm (30/30) · incl. 4 keys · incl. strike plate and fixing screws · Glass thickness tempered glass 10, 12 mm

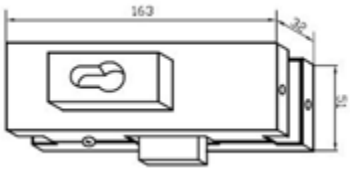




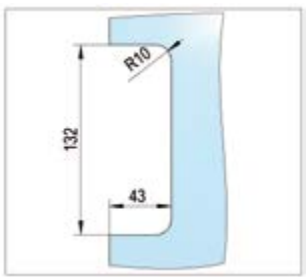
Middle Lock with flat bolt US20

FINISH	ART. NO.
brushed	BO 5214281

Material	stainless steel AISI 304

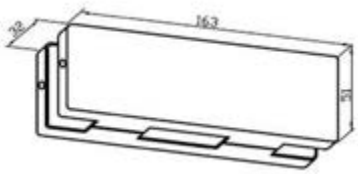


Euro profile cylinder (individual key) 60 mm (30/30) · incl. 4 keys · When used as a centre lock on double doors, one door must be used as a slave door · Glass thickness tempered glass 10, 12 mm

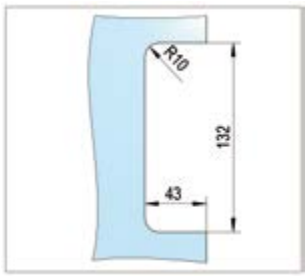


Keep GK50

FINISH	ART. NO.
brushed	BO 5214282
Material	stainless steel AISI 304

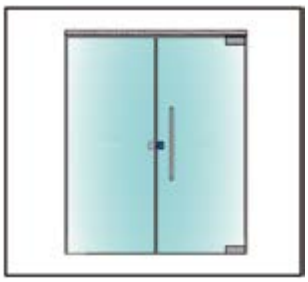


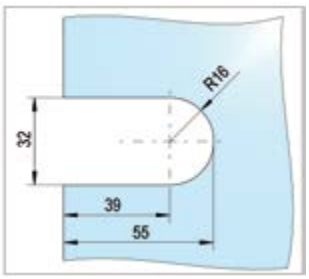
Glass thickness tempered glass 10, 12 mm · When used as a centre lock on double doors, one door must be used as a slave door



Middle Lock with round bolt and one side rotating twist lock

FINISH	ART. NO.
brushed	BO 5214283
Material	stainless steel AISI 304



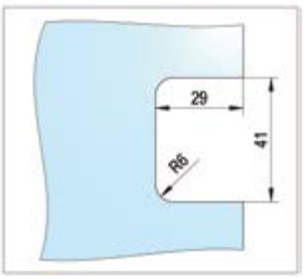


When used as a centre lock on double doors, one door must be used as a slave door · Glass thickness tempered glass 10, 12 mm · Size 53 x 64 mm · Round bolt ø7 mm · single throw / 17 mm bolt projection · one-side lockable · incl. strike plate and fixing screws

Keep

FINISH	ART. NO.
brushed	BO 5214284

Material	stainless steel AISI 304



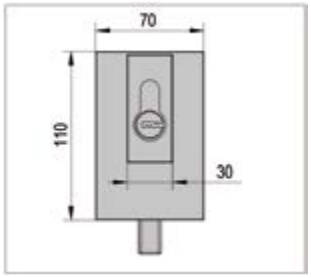
When used as a centre lock on double doors, one door must be used as a slave door · Glass thickness tempered glass 10, 12 mm · Size 53 x 40 mm

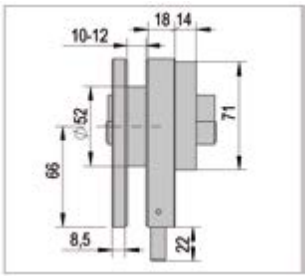
Lock with Profile Cylinder

The patch lock is equipped with a profile cylinder cover plate on one side and can be installed both in the upper and the lower corner area. The fitting is suitable for swinging, sliding and one-side opening doors made of glass.

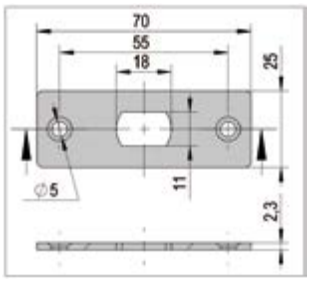
FINISH	ART. NO.
Matt black RAL 9005	BO 5213850
brushed	BO 5213851

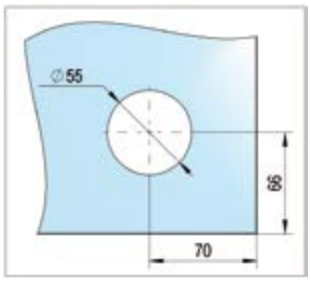
Material	stainless steel V2A





Euro profile cylinder (individual key), 70 mm (35/35) · incl. strike plate, floor bush and fixing screws · Glass thickness tempered glass 10, 12 mm · one drill hole in the glass required





INCLUDED IN DELIVERY:

5x Keys
1x Strike Plate
1x Floor Bush
Fixing Screws

Hook Lock with Keep and hook bolt

FINISH	ART. NO.
brushed	BO 5214285

Material	stainless steel AISI 304

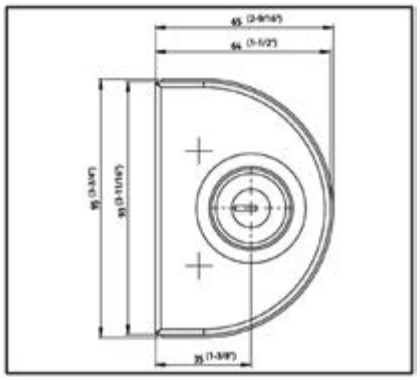
When used as a centre lock on double doors, one door must be used as a slave door · No glass cutouts or drill holes required, clamp-on function · Glass thickness tempered glass 10, 12 mm · Deduction dimension glass-glass 6 mm · incl. 3 keys · individual key · Cylinder not exchangeable

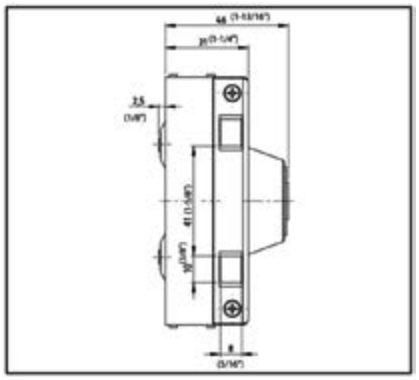
Hook Lock with Keep and hook bolt

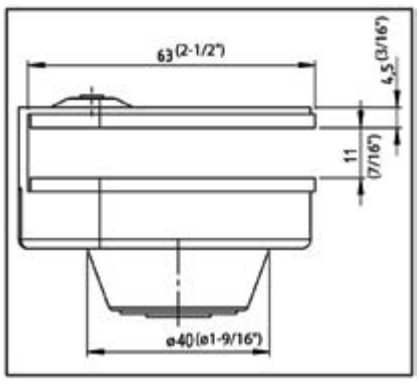
FINISH	ART. NO.
brushed	BO 5214286

Material	stainless steel AISI 304

When used as a centre lock on double doors, one door must be used as a slave door · No glass cutouts or drill holes required, clamp-on function · Glass thickness tempered glass 10, 12 mm · Deduction dimension glass-glass 5 mm · incl. 3 keys · individual key · Cylinder not exchangeable



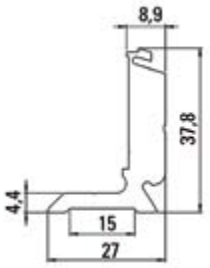


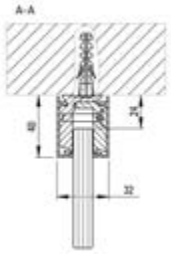


Wall Connecting Profile

	ART. NO.
	BO 5214290

Size	40 x 32 mm
Material	aluminium
Finish	mill finish
Length	3000 mm





No glass processing required · Easy mounting · different clamping parts for 8 to 12.7 mm glass · The profiles are pre-drilled

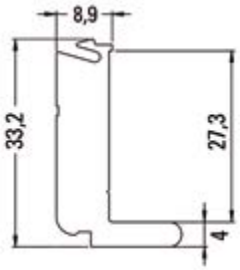
INCLUDED IN DELIVERY:

1x Wall Connecting Profile

Clamping Parts for Wall Connecting Profile incl. inserts and screw

DESCRIPTION	ART. NO.
for glass thickness 8 mm	BO 5214291
for glass thickness 10 mm	BO 5214292
for glass thickness 12 mm	BO 5214293
for glass thickness 12.7 mm	BO 5214294

Material	aluminium
Finish	mill finish
Length	60 mm



Suitable clamping part for wall connecting profile BO 5214290 · Packaging unit 1 pc · 10 pieces are needed for 3000 mm

INCLUDED IN DELIVERY:

1x Clamping Part
2x Inserts
1x Screw

Cover Profile for Wall Connecting Profile

FINISH	ART. NO.
aluminium-coloured anodised E4/EV1 brushed	BO 5214295
stainless steel look anodised E1/C31 brushed	BO 5214296

Material	aluminium
Length	3000 mm

Two are needed for each base profile (one front and one back) · Packaging unit 1 pc

INCLUDED IN DELIVERY:

1x Cover Profile

Handle type ø 19 mm

LENGTH (L) · DISTANCE BETWEEN HOLE CENTRES (C-C) · FINISH	ART. NO.
250 mm · 150 mm · brushed	BO 5213740
300 mm · 200 mm · brushed	BO 5213738
400 mm · 300 mm · brushed	BO 5213742
500 mm · 300 mm · brushed	BO 5213739
500 mm powder coated · 300 mm · black	BO 5213739B
600 mm · 500 mm · brushed	BO 5213745
800 mm · 600 mm · brushed	BO 5213746
1000 mm · 800 mm · brushed	BO 5213747

Width (ø)	19 mm
Depth (H)	52 mm
Material	stainless steel AISI 304
Glass thickness	6 - 12 mm
Glass processing	yes

Modern, timeless design · Stainless steel with high quality brushed finish · For universal use: suitable for all all-glass sliding and swinging doors (e.g. MasterTrack FT / all-glass installation with patch fittings) · Complies with all visual requirements: Lengths between 300 mm and 2000 mm and three different diameters: ø19 mm, ø25 mm, ø32 mm · Drill hole in glass ø12 mm

INCLUDED IN DELIVERY:

Screws for doors up to 40 mm included (for use with: wood, steel, aluminium, plastic)

Handle type ø 25 mm

Drill hole in glass ø14 mm

LENGTH (L) · DISTANCE BETWEEN HOLE CENTRES (C-C) · FINISH	ART. NO.
300 mm · 200 mm · brushed	BO 5213749
400 mm · 300 mm · brushed	BO 5113701
500 mm · 400 mm · brushed	BO 5113702
500 mm powder coated · 400 mm · black	BO 5113702B
600 mm · 400 mm · brushed	BO 5113703
700 mm · 500 mm · brushed	BO 5113704
800 mm · 600 mm · brushed	BO 5113705
1000 mm · 800 mm · brushed	BO 5113706
1200 mm · 1000 mm · brushed	BO 5113707

Width (ø)	25 mm
Depth (H)	65 mm
Material	stainless steel AISI 304
Glass thickness	6 - 12 mm
Glass processing	yes

INCLUDED IN DELIVERY:

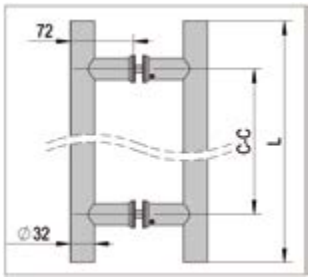
Screws for doors up to 40 mm included (for use with: wood, steel, aluminium, plastic)

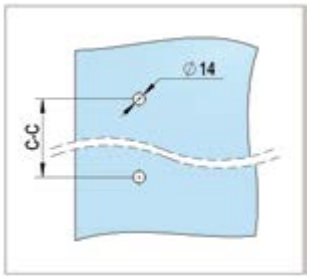
Handle type ø 32 mm

Drill hole in glass ø14 mm

LENGTH (L) · DISTANCE BETWEEN HOLE CENTRES (C-C) · FINISH	ART. NO.
300 mm · 200 mm · brushed	BO 5113711
450 mm · 300 mm · brushed	BO 5213789
600 mm · 400 mm · brushed	BO 5213790
800 mm · 600 mm · brushed	BO 5113715
1000 mm · 800 mm · brushed	BO 5213779
1200 mm · 1000 mm · brushed	BO 5113716
1600 mm · 1000 mm · brushed	BO 5113717
1800 mm · 1000 mm · brushed	BO 5113718
2000 mm · 1000 mm · brushed	BO 5113719

Width (ø)	32 mm
Depth (H)	72 mm
Material	stainless steel AISI 304
Glass thickness	6 - 12 mm
Glass processing	yes





INCLUDED IN DELIVERY:

Screws for doors up to 40 mm included (for use with: wood, steel, aluminium, plastic)

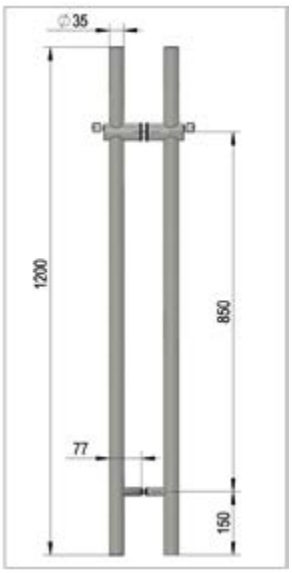
Lockable Rod Handle

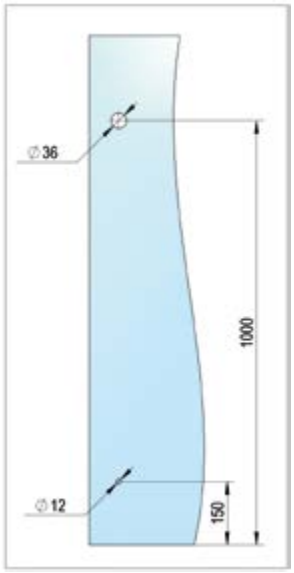
The lockable rod handle is a comfortable locking system with the lock positioned in a convenient, ergonomic height. It is well suited for all standard 30/160 Euro profile cylinders. The cylinder is easily exchangeable and can therefore simply be adapted to individual locking systems. Both double and knob cylinders can be used for this system. With a length of 1,900 (1,200) mm and a downward closing mechanism, the rod handle is universally applicable for sliding and swinging doors.

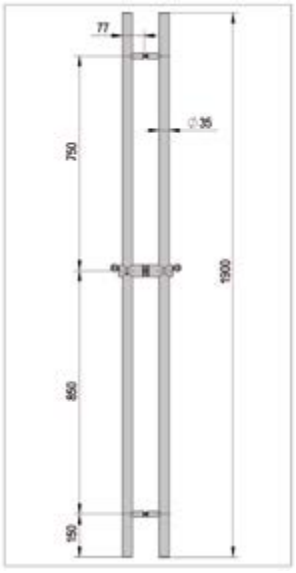
HANDLE TYPE · LENGTH (L)	ART. NO.
Handle type · 1200 mm	BO 5213346
Handle type · 1900 mm	BO 5213347
Cylinder lock without knob · 30/160 mm	BO 5213348
Cylinder lock with knob · 30/160 mm	BO 5213349

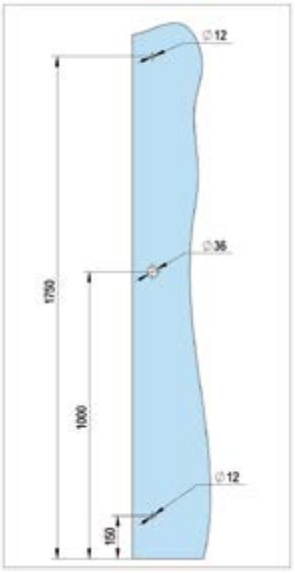
Width (ø)	35 mm
Depth (H)	77 mm
Distance between hole centres (C-C)	– mm
Material	stainless steel AISI 304
Finish	brushed
Glass processing	yes

For 30/160 Euro profile cylinders (not included in delivery) · One floor sleeve per pair of handles included in delivery

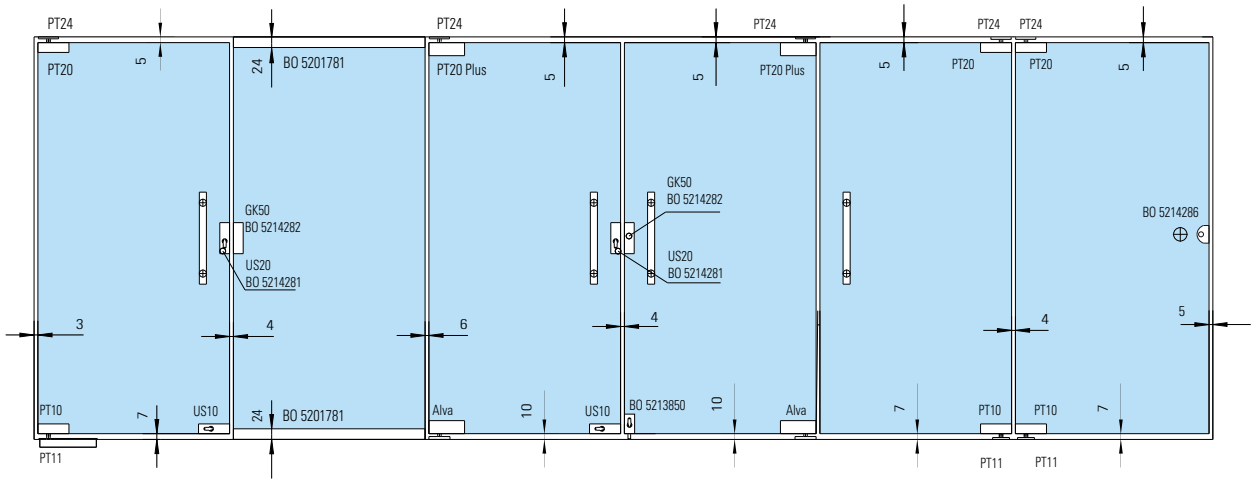


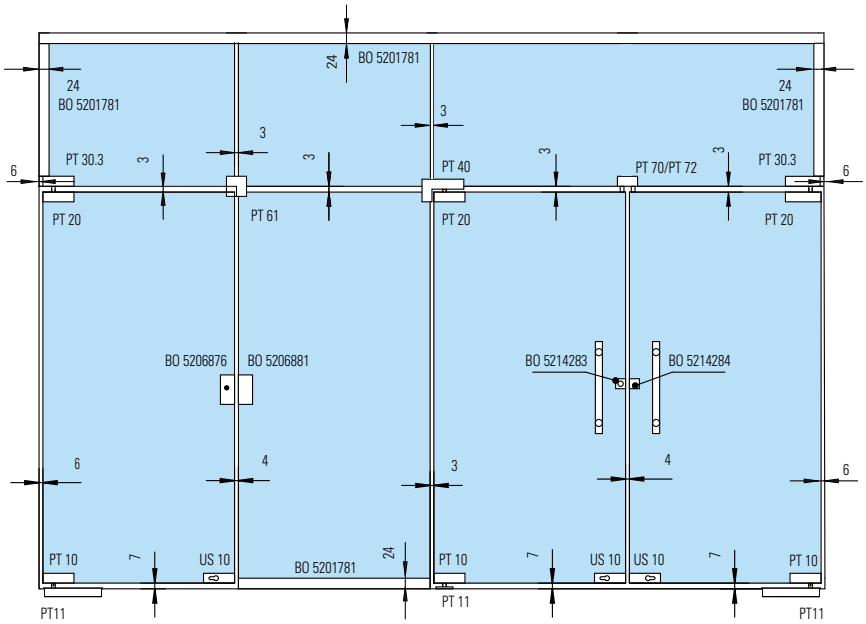


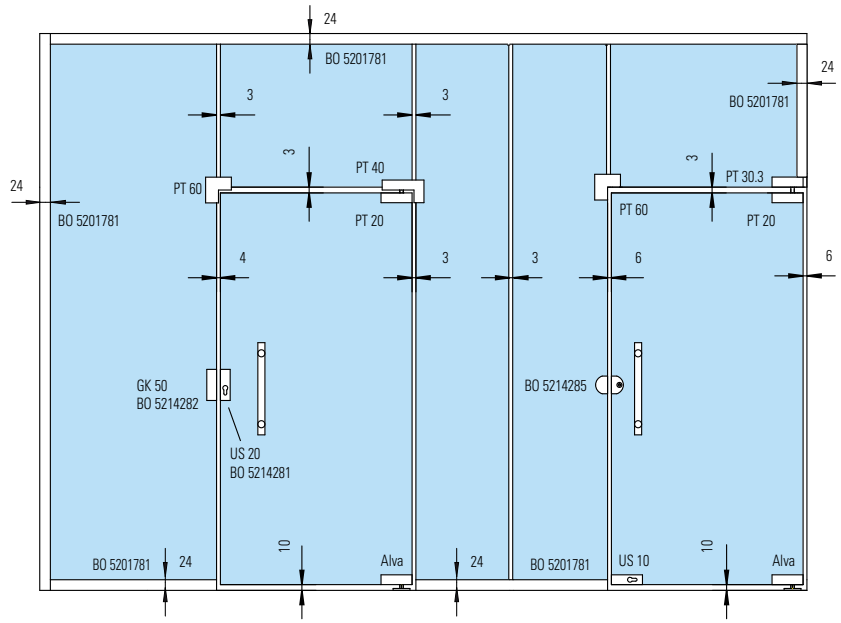




Application Examples







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