

# UNIVERSAL

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## UNIVERSAL ... AS THE NAME SAYS

With its broad spectrum of basic types and variants, the Universal range of patch fittings enables the realisation in toughened glass of almost any conceivable design. Toughened glass assemblies can be provided with fixed parts in widely differing arrangements – with corner fittings or fin fittings at different angles, and with double or single-action doors in single-leaf or double-leaf designs.

### Easy glass preparation, secure fixing

DORMA-Glas has an intimate knowledge of the special properties of glass as a building material. This has led to the design of fittings requiring only minimal glass preparation – a quick and easy cut-out with additional holes.

Carefully considered and positive measures have been taken to create the maximum clamping surface with optimum clamping efficiency.

### Suitable for common glass thicknesses

Universal fittings are supplied as standard with gasket to suit 10 mm glass (TSG). For 8 mm and 12 mm glass, correspondingly thicker and thinner gasket is available. Some patches are even designed to fit directly with different glass thicknesses.

### Variable pivot point

The inserts for corner and over-panel patches in the Universal program have been designed and manufactured to give two options in the pivot point distance from the sidepanel or frame. It can be either 55 mm

or 65 mm. At 65 mm pivot point and the use of a special round profile (page 19) doors can be built with a constant air gap of only 4 mm.

For information regarding patch fittings Universal with 15 mm pivot point for pinch free doors see page 24 and following pages.

### Reliability built in

Quality materials and thorough workmanship mean that Universal fittings have the features necessary to meet the most demanding of specifications. The fittings are designed to cope with large and heavy doors up to a maximum weight of 130 kgs\*: for instance, a door blade 3000 mm high by 1300 mm\* wide, using 12 mm glass is quite possible.

For heavier and wider doors up to a maximum of 150 kgs and max. 1400 mm and for high frequented doors, rails with reinforced straps are available.

### Matching range of locks

The Universal range includes every type of accessory, and of course, a variety of locks and strike boxes in a matching design concept, giving the designer plenty of choice from the options available.

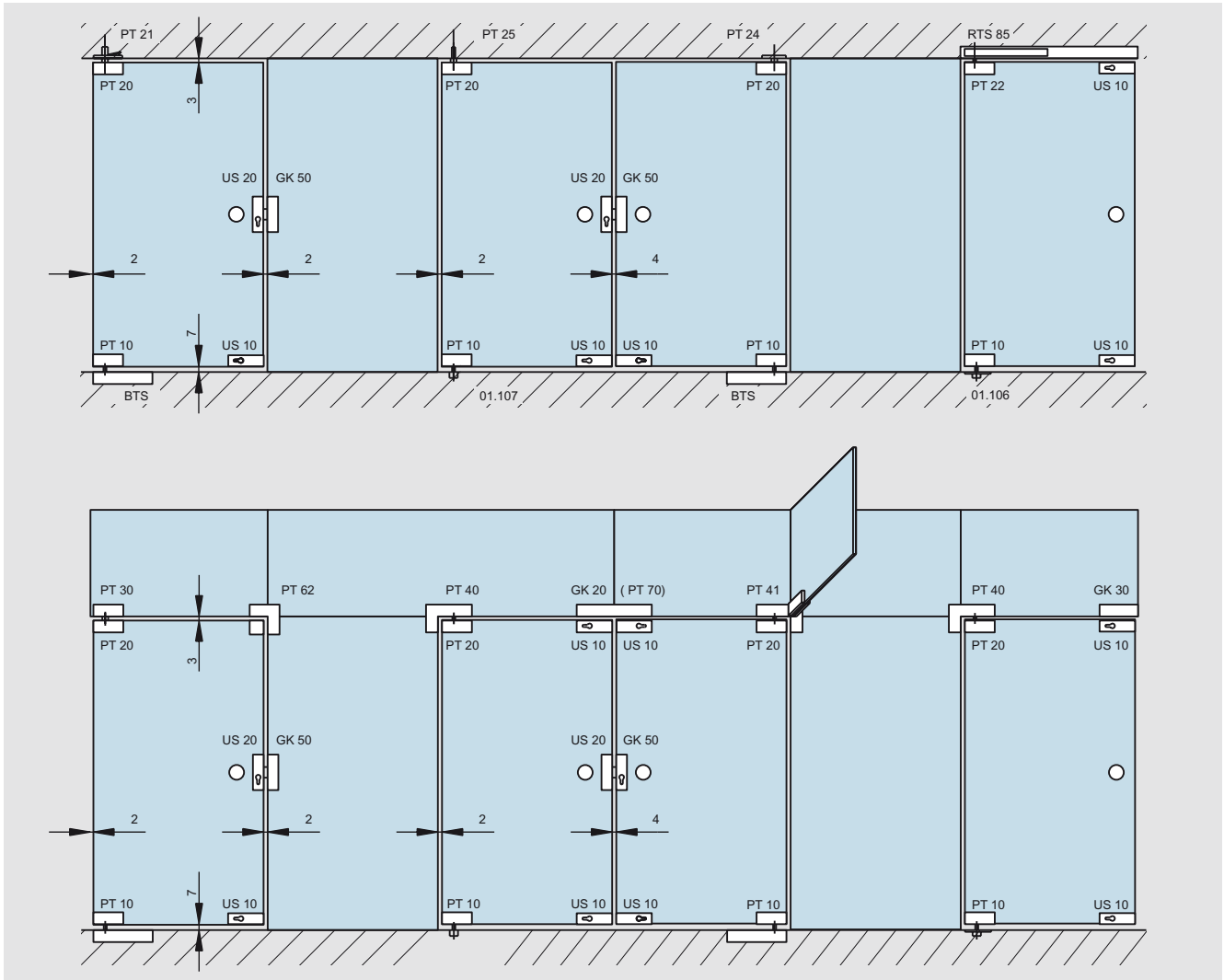
### Short delivery times

All the common patterns and types are available ex-stock (factory). Specials will be prepared promptly.



# TYPE SELECTION

Toughened glass assemblies with fittings (55/65 mm pivot point) and locks. All standard assembly types see page 5.



BTS = Floor spring  
 GK = Strike box  
 PT = Centre hung door fittings  
 RTS = Transom closer  
 US = Lock

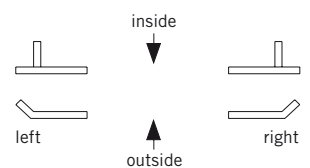
**Maximum door weight and width for Universal fittings**  
 max. door weight: 130 kg\*  
 max. door width: 1300 mm\*

For doors with higher frequency and in public areas we would advice to use a door rail for doors above 110 kg and door width larger than 1100 mm.  
 For door weights up to 150 kg and widths up to 1400 mm door rails should be used.

**Torque for fixing screws**  
 Screws M 6: 10 Nm (4 mm)\*  
 Screws M 6: 15 Nm (5 mm)\*  
 Screws M 8: 20 Nm (5 mm)\*  
 \*Allan key size

**Please note: If angle fittings or fin fittings are used:**  
 "Left" or "Right" have to be determined in any case by view from outside and above.

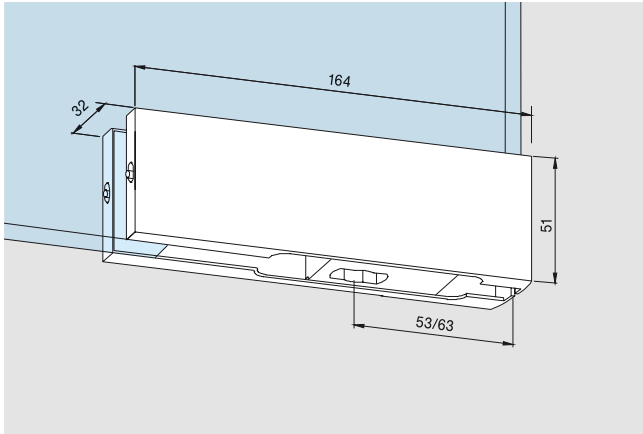
- \* **For door heights up to 2500 mm**  
 For doors with a height of more than 2,500 mm we have to keep additional conditions/limits:
  - Glass thickness  $\geq 10$  mm
  - + Usage of a handle bar with 3 connection points in minimum and a minimum height of 2/3 door height
- \* **Use of door closers:**  
 Doors  $\geq 100$  Kg must be used with door closers type EN4 (with or without back check) or a higher type (e.g. EN5) without back check



# PATCH FITTINGS

Shown with 10 mm glass. When used with 8 and 12 mm glass the measurements change accordingly.

Accessories for additional versions with 8 or 10 mm glass see page 132.



**PT 10 bottom patch**  
with insert for DORMA floor spring spindle, or round pivot 14 mm Ø

**Art. No. 03.100**

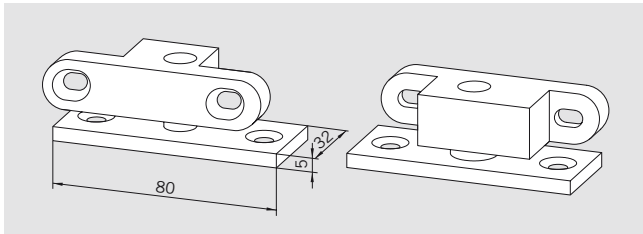
Not illustrated:  
For 12 mm glass thickness, only in satin stainless steel

**Art. No. 03.860**

For 15 and 19 mm glass thicknesses. Please specify with order.

**Art. No. 03.280**

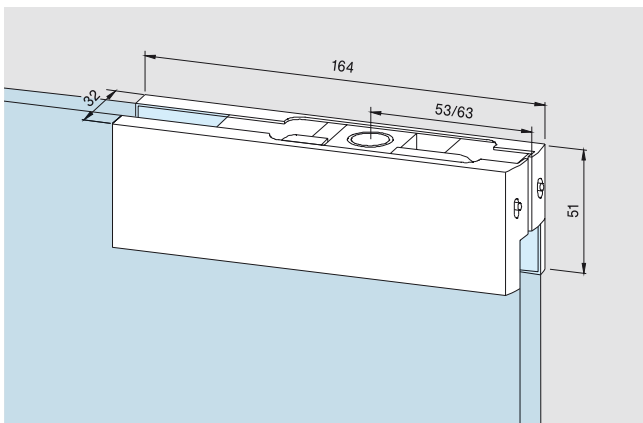
Weight in kg:  
aluminium 0.564  
brass 0.680  
stainless steel 0.662



**Floor pivot bearing**  
for damp environments, with insert for PT 10, **without floor recess**, max. door weight 80 kg

**Art. No. 01.137**

Weight in kg: 0.195



**PT 20 top patch**  
with plastic socket for top pivot 15 mm Ø

**Art. No. 03.110**

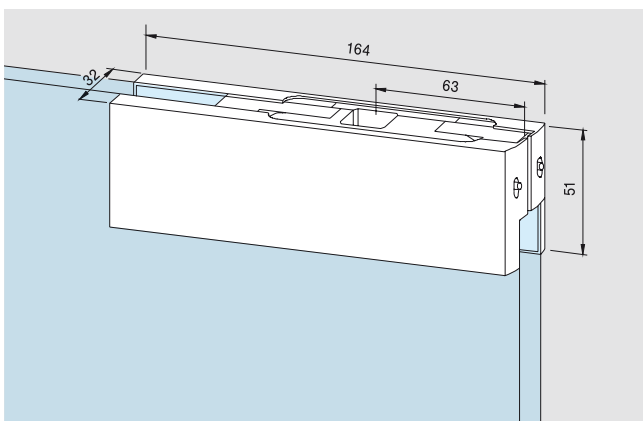
Not illustrated:  
For 12 mm glass thickness, only in satin stainless steel

**Art. No. 03.861**

For 15 and 19 mm glass thicknesses. Please specify with order.

**Art. No. 03.281**

Weight in kg:  
aluminium 0.477  
brass 0.593  
stainless steel 0.575



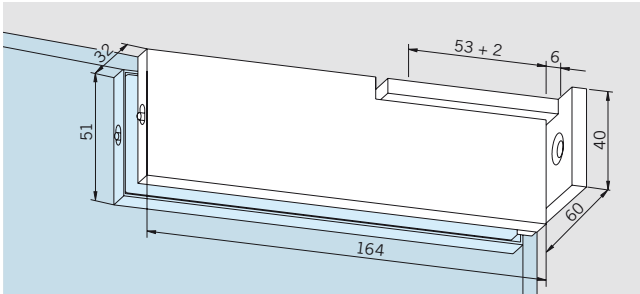
**PT 22 top patch**  
with insert for DORMA RTS transom closer

**Art. No. 03.112**

Not illustrated:  
For 12 mm glass thickness, only in satin stainless steel

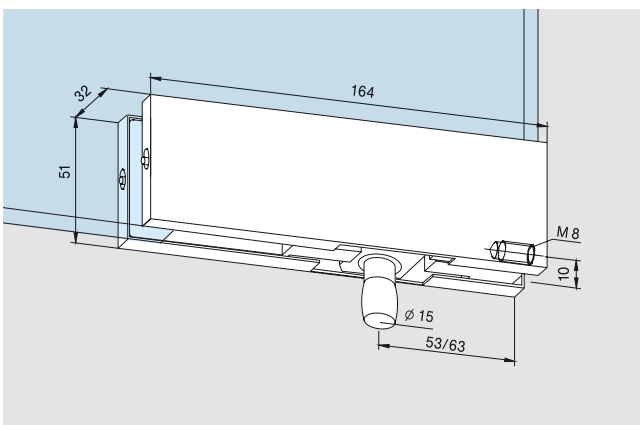
**Art. No. 03.862**

Weight in kg:  
aluminium 0.578  
brass 0.695  
stainless steel 0.677



**PT 29 top patch**  
with pivot fixing plate,  
to countersink into ceiling  
(pivot point = 55 mm)  
max. door width: 1000 mm  
max. door weight: 70 kg

**Art. No. 03.114**  
  
Weight in kg:  
aluminium 0.544  
brass 0.692



**PT 30 overpanel patch**  
with pivot 15 mm Ø, with  
M 8 tapped hole at the side

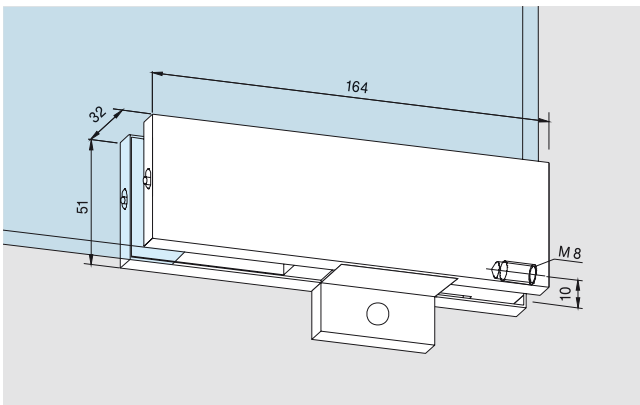
**Art. No. 03.120**

Not illustrated:  
For 12 mm glass thickness,  
only in satin stainless steel

**Art. No. 03.863**

For 15 and 19 mm glass  
thickness. Please specify with  
order.

**Art. No. 03.282**  
  
Weight in kg:  
aluminium 0.528  
brass 0.654  
stainless steel 0.636



**PT 30 overpanel patch**  
with stop insert

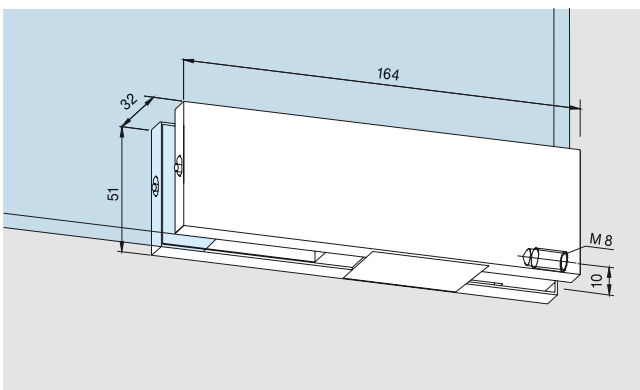
**Art. No. 03.420**

Not illustrated:  
For 12 mm glass thickness,  
only in satin stainless steel

**Art. No. 03.873**

For 15 and 19 mm glass  
thickness. Please specify with  
order.

**Art. No. 03.482**  
  
Weight in kg:  
aluminium 0.528  
brass 0.654  
stainless steel 0.580



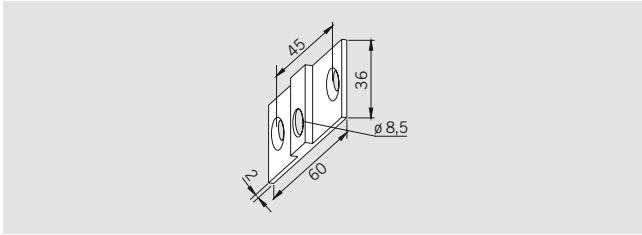
**PT 30 overpanel patch**  
with blank insert

**Art. No. 03.421**

Not illustrated:  
for 15 and 19 mm glass  
thickness. Please specify with  
order.

**Art. No. 03.484**

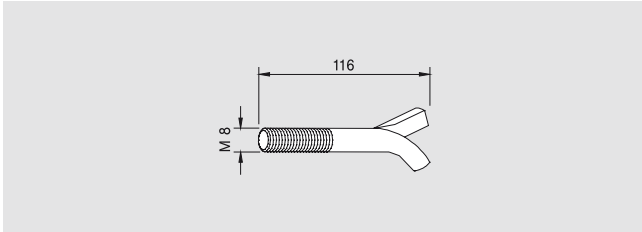
Weight in kg:  
aluminium 0.519  
brass 0.645  
stainless steel 0.571



**Fixing plate**  
for overpanel patch PT 30

**Art. No. 03.128**

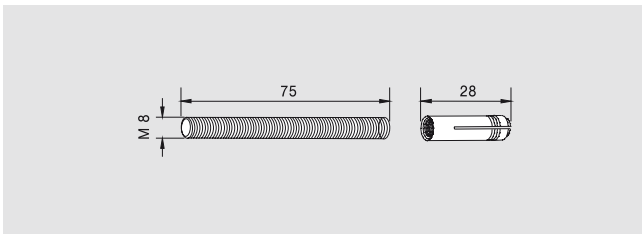
Weight in kg:  
aluminium 0.016  
brass 0.038  
Stainless steel not available,  
satin chrome on brass supplied.



**Wall anchor**  
with thread M 8 for overpanel  
patch PT 30

**Art. No. 01.133**

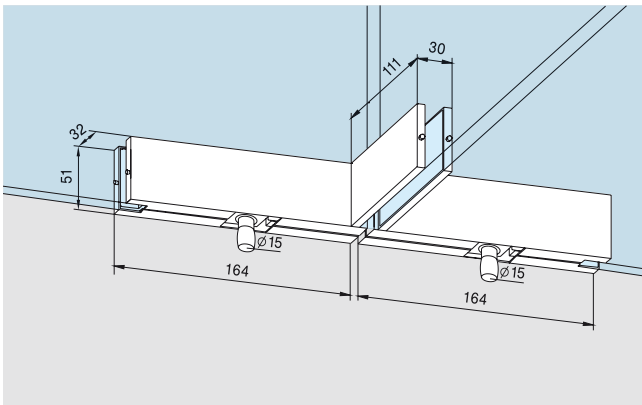
Weight in kg: 0.040



**Threaded rod**  
M 8 with plug for overpanel  
patch PT 30

**Art. No. 01.134**

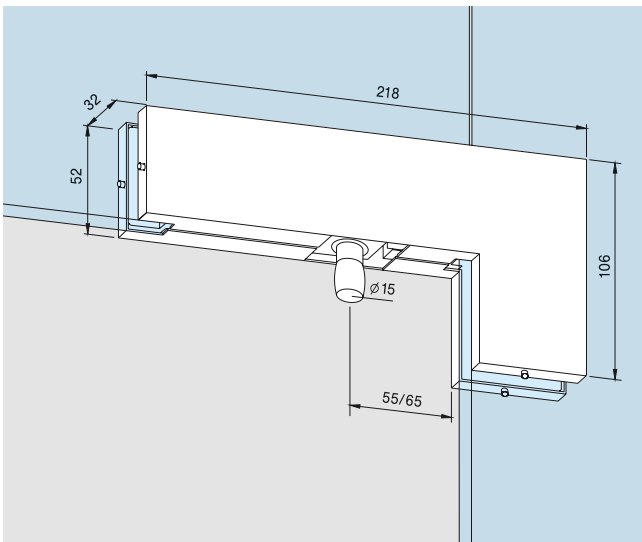
Weight in kg: 0.032



**PT 51 patch for overpanel with  
fin fitting inside for back to  
back doors**  
with two pivots 15 mm Ø

**Art. No. 03.160**

Weight in kg:  
aluminium 1.299  
stainless steel 1.576



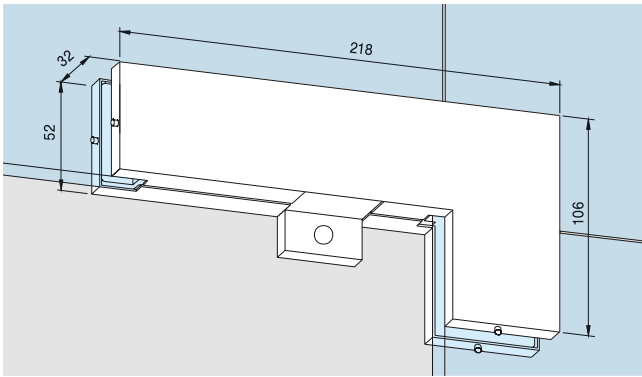
**PT 40 patch for overpanel and  
sidelight**  
with pivot 15 mm Ø

**Art. No. 03.140**

Not illustrated:  
For 15 and 19 mm glass  
thickness. Please specify with  
order.

**Art. No. 03.283**

Weight in kg:  
aluminium 0.755  
brass 0.958  
stainless steel 0.937



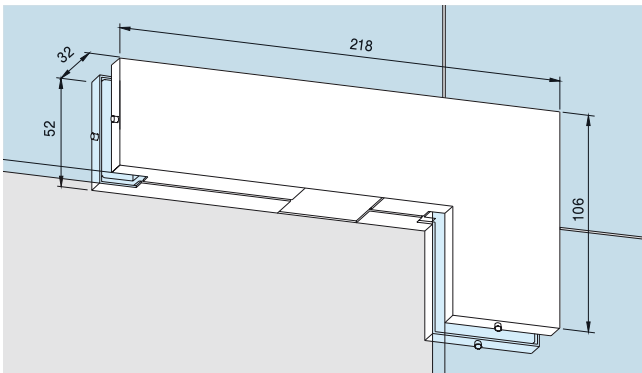
**PT 40 patch for overpanel and sidelight**  
with stop insert

**Art. No. 03.440**

Weight in kg:  
aluminium 0.755  
brass 0.958  
stainless steel 0.937

Not illustrated:  
For 15 and 19 mm glass thickness. Please specify with order.

**Art. No. 03.483**



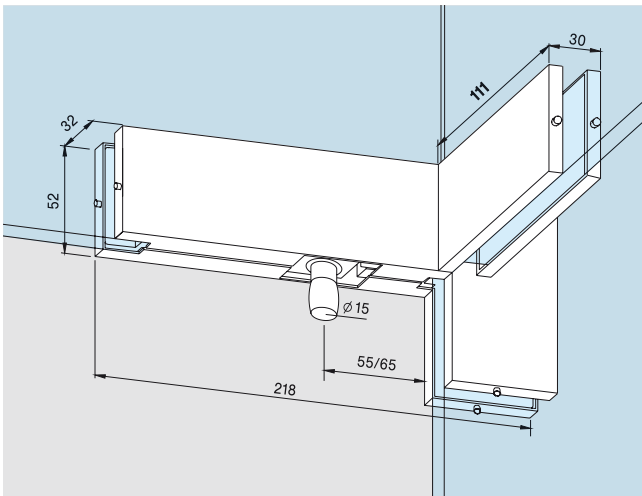
**PT 40 patch for overpanel and sidelight**  
with blank insert

**Art. No. 03.441**

Weight in kg:  
aluminium 0.746  
brass 0.949  
stainless steel 0.928

Not illustrated:  
For 15 and 19 mm glass thickness. Please specify with order.

**Art. No. 03.485**



**PT 41 patch for overpanels and sidelight** with fin fitting inside,  
with pivot 15 mm Ø

**Art. No. \*03.162 / 03.163**

Not illustrated:

**PT 41 patch for overpanels and sidelight** with stop insert

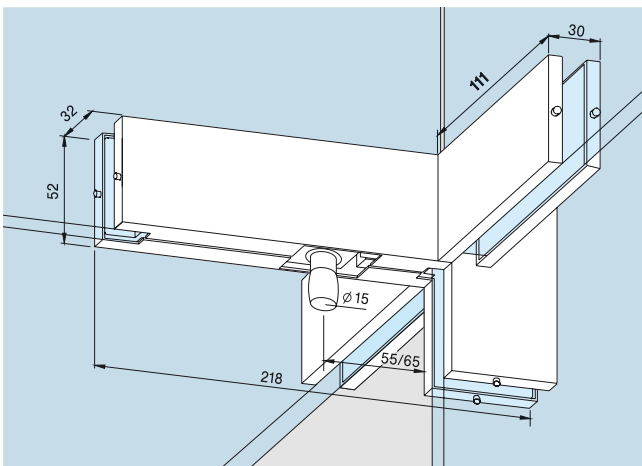
**Art. No. \*03.262 / 03.263**

Not illustrated:

**PT 41 patch for overpanels and sidelight** with blank insert

**Art. No. \*03.264 / 03.265**

Weight in kg:  
aluminium 0.952  
stainless steel 1.197



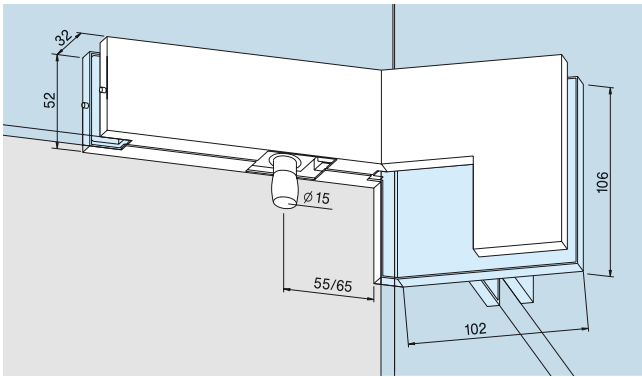
**PT 41 patch for overpanels and sidelight** with fin fitting on both sides,  
with pivot 15 mm Ø

**Art. No. 03.161**

Weight in kg:  
aluminium 1.149  
stainless steel 1.457

\* Left hand fin (illustration shows left hand) / right hand fin.  
Left or right hand are determined by view from outside.



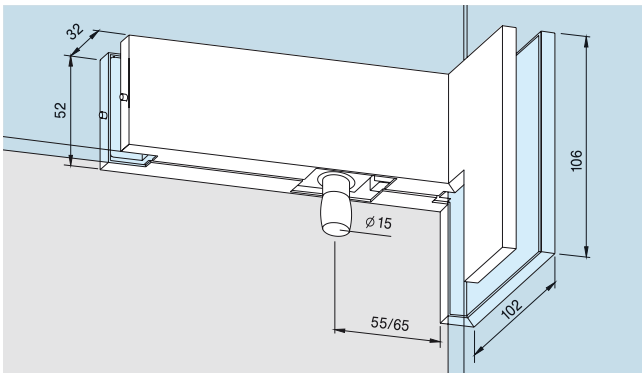


**PT 41 patch for overpanel and sidelight**, with fin fitting inside, with pivot 15 mm Ø angle 135° – 179°

**Art. No. \*03.168 / 03.169**

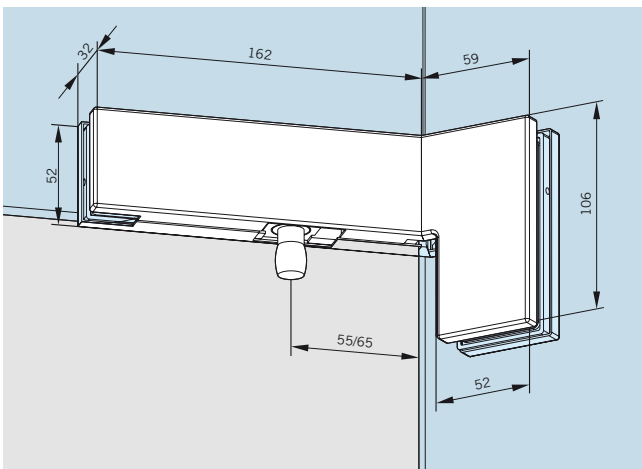
Weight in kg:  
aluminium 1.200  
stainless steel 1.522

**Glass preparation on request, please send your drawing.**



**PT 42 overpanel patch for single action doors** with angled connector inside, pivot 15 mm, angle 90°

**Art. No. \*03.164 / 03.165**



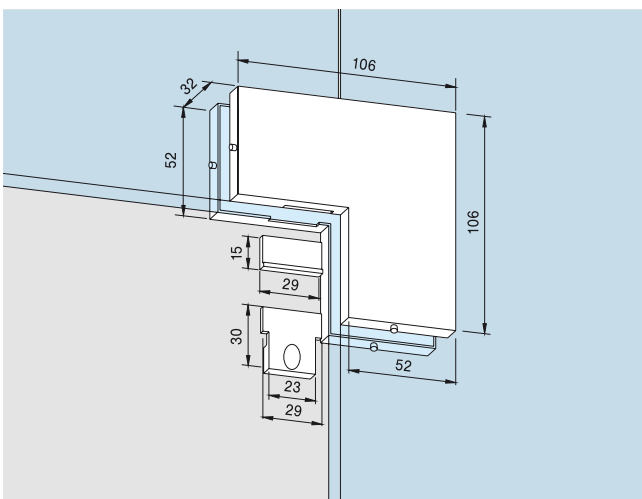
**PT 42 overpanel patch for double or single action doors** with angled connector inside, pivot 15 mm, angle 135°

**Art. No. \*03.464 / 03.465**

Not illustrated:  
angle 105°–134° / 136°–179°  
(glass preparation on request)

**Art. No. \*03.166 / 03.167**

Weight in kg:  
aluminium 0.882  
stainless steel 1.059



**PT 60/61 connector** for overpanel and sidelight, for double or single action doors with one stop insert and two blank inserts, also suitable for 12 mm glass thickness.

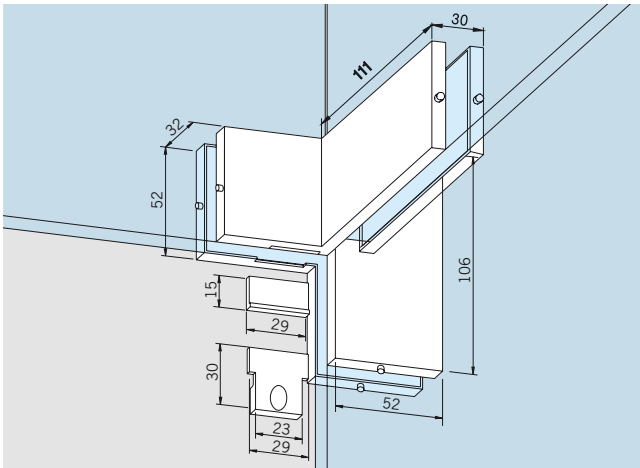
**Art. No. 03.150**

Not illustrated:  
For 15 and 19 mm glass thicknesses. Please specify with order.

**Art. No. 03.452**

Weight in kg:  
aluminium 0.343  
brass 0.461  
stainless steel 0.436

\* Left hand fin (illustration shows left hand) / right hand fin. Left or right hand are determined by view from outside.

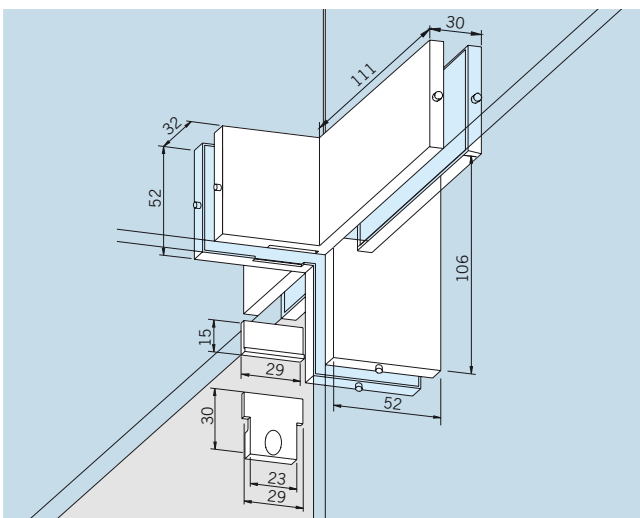


**PT 60/61 connector** for over-panel and sidelight, for double or single action doors, with fin fitting inside, with one stop insert and two blank inserts

**Art. No. \*03.158 / 03.157**

Weight in kg:  
aluminium 0.448  
stainless steel 0.600

Also suitable for 12 mm glass thickness.

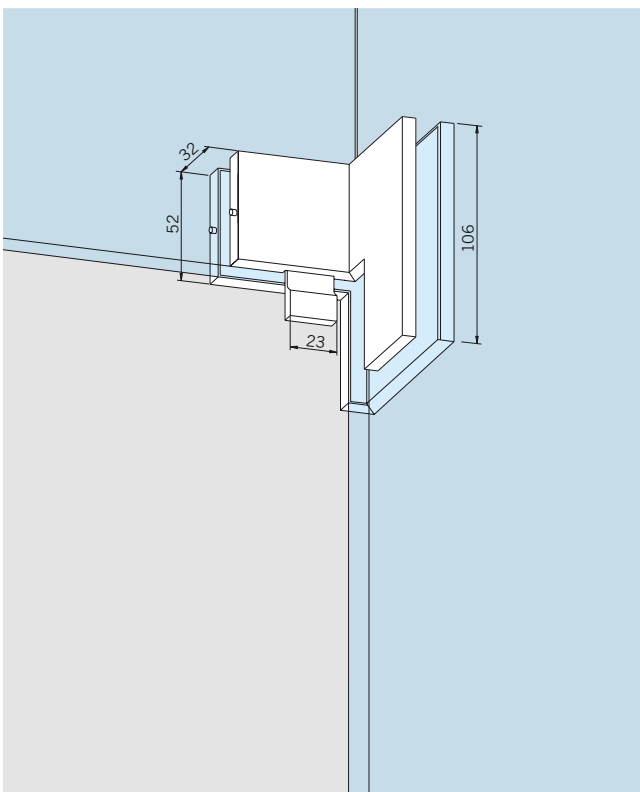


**PT 60/61 connector** for over-panel and sidelight, for double or single action doors, with fin fitting on both sides, with one stop insert and two blank inserts

**Art. No. 03.159**

Weight in kg:  
aluminium 0.645  
stainless steel 0.860

Also suitable for 12 mm glass thickness.



**PT 60/61 connector** for overpanel and sidelight for single action doors, with stop inside, angle 90°

**Art. No. \*03.454 / 03.455**

Weight in kg:  
aluminium 0.251  
stainless steel 0.344

Not illustrated:

**PT 60/61** for double or single action doors, with one stop insert and two blank inserts, angle 135°

**Art. No. \*03.450 / 03.451**

angle 105°–134° / 136°–179° (specify angle with order)

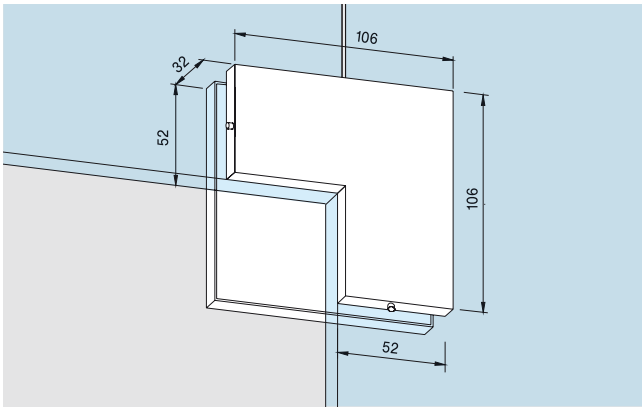
**Art. No. \*03.156 / 03.155**

Weight in kg:  
aluminium 0.343  
stainless steel 0.435

Also suitable for 12 mm glass thickness.

**Glass preparation on request.**

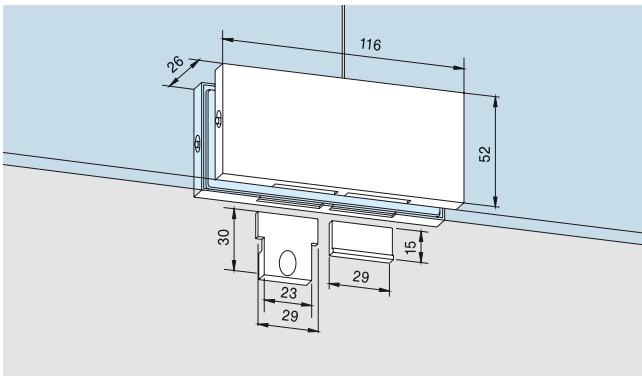
\* Left hand fin (illustration shows left hand) / right hand fin. Left or right hand are determined by view from outside.



**PT 62 connector** for overpanel and sidelight, with stop

**Art. No. 03.173**

Weight in kg:  
aluminium 0.475  
stainless steel 0.670



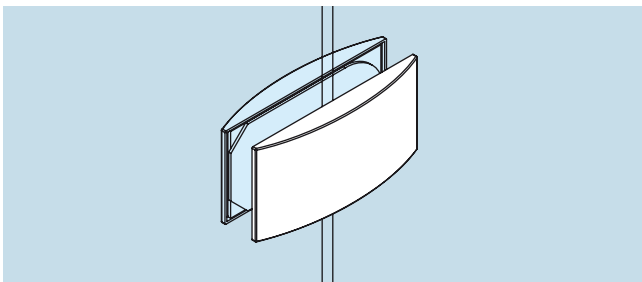
**PT 70 overpanel connector** with two stop inserts and two blank inserts, also suitable for 12 mm glass thickness

**Art. No. 01.150**

Not illustrated:  
For 15 and 19 mm glass thicknesses. Please specify with order.

**Art. No. 01.158**

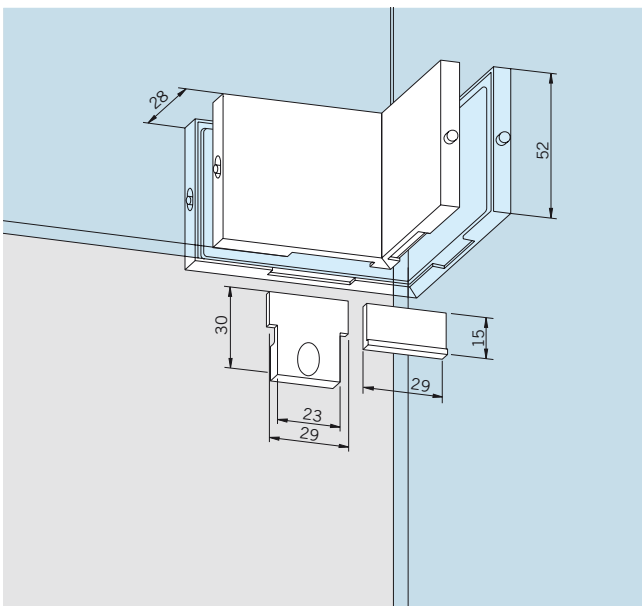
Weight in kg:  
aluminium 0.272  
stainless steel 0.335



**Overpanel-sidelight connector**

**Art. No. 12.536**

Weight in kg:  
aluminium 0,146



**PT 70 connector** with two stop inserts and two blank inserts, angle 90°

**Art. No. 01.156**

Not illustrated:  
angle 135°

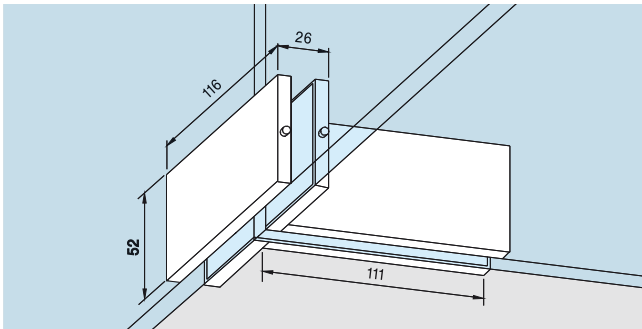
**Art. No. 01.157**

angle 91° – 134° / 136° – 179°  
(glass preparation on request)

**Art. No. 01.155**

Weight in kg:  
aluminium 0.272  
stainless steel 0.335

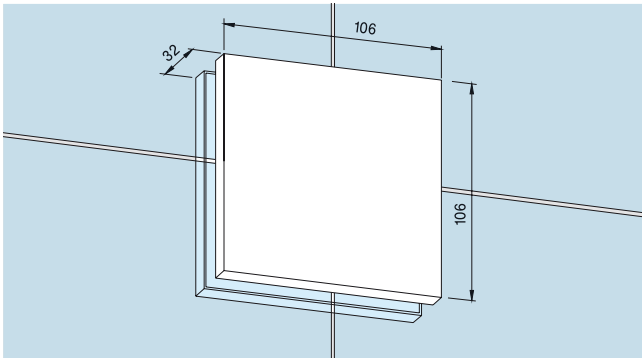
Also suitable for 12 mm glass thickness.



**PT 71 overpanel connector**  
with fin fitting

**Art. No. 01.161**

Weight in kg:  
aluminium 0.458  
stainless steel 0.608



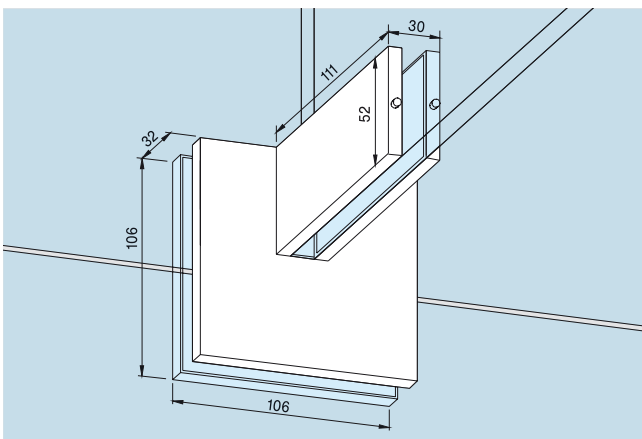
**PT 80 connector**

**Art. No. 03.170**

Not illustrated:  
For 15 and 19 mm glass  
thicknesses. Please specify  
with order.

**Art. No. 03.472**

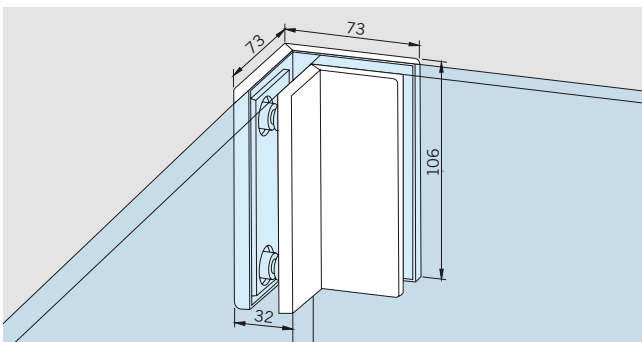
Weight in kg:  
aluminium 0.555  
stainless steel 0.780



**PT 81 connector**  
with fin fitting

**Art. No. 03.175**

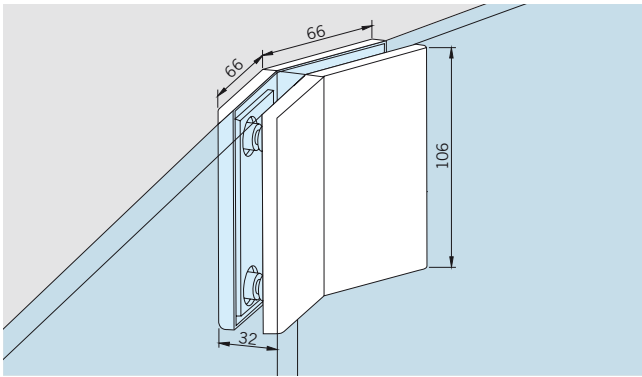
Weight in kg:  
aluminium 0.784  
stainless steel 1.065



**PT 80 connector**  
angle 90°

**Art. No. 03.171**

Weight in kg:  
aluminium 0.467  
stainless steel 0.540



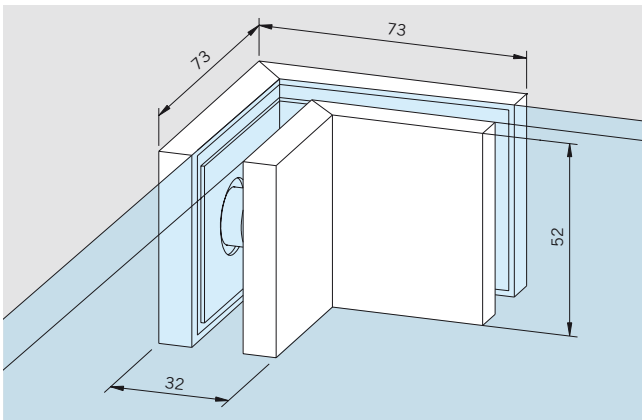
**PT 80 connector,**  
angle 135°

**Art. No. 03.172**

Not illustrated:  
angle 91° – 134° / 136° – 179°  
(Please specify angle with order)

**Art. No. 03.178**

Weight in kg:  
aluminium 0.472  
stainless steel 0.541



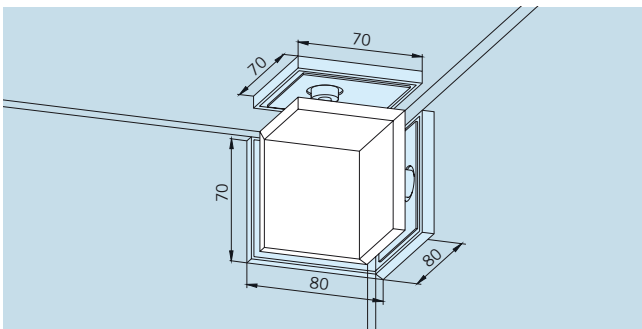
**PT 80 connector,**  
shortened, angle 90°

**Art. No. 03.470**

Not illustrated:  
angle 91° – 134° / 136° – 179°  
(Please specify angle with order)

**Art. No. 03.179**

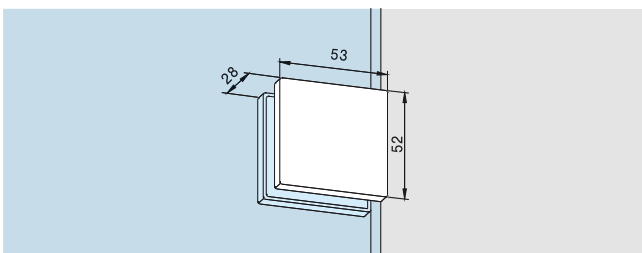
Weight in kg:  
aluminium 0.236  
stainless steel 0.270



**Three way box corner connector,**  
angle 90°

**Art. No. 03.198**

Weight in kg:  
aluminium 0.099  
stainless steel 0.131



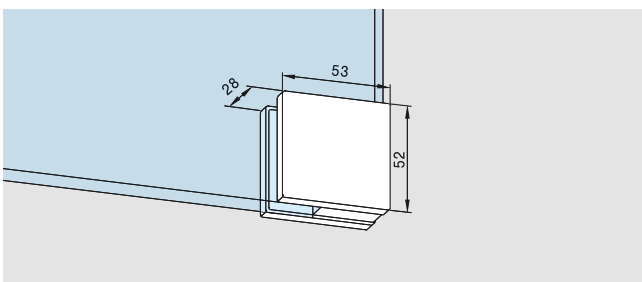
**PT 90 screw on fitting**

**Art. No. 07.021**

Weight in kg:  
aluminium 0.120  
brass 0.160  
stainless steel 0.155

for 13.5–19 mm  
glass thicknesses

**Art. No. 07.210**



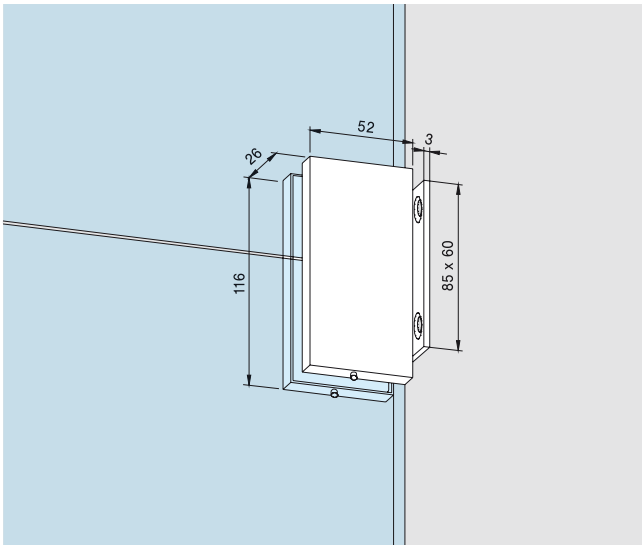
**PT 91 corner fitting**

**Art. No. 07.023**

Weight in kg:  
aluminium 0.120  
brass 0.160  
stainless steel 0.155

for 13.5–19 mm  
glass thicknesses

**Art. No. 07.211**



**Side connector**  
with fixing plate

**Art. No. 01.153**

Weight in kg:  
aluminium 0.313  
stainless steel 0.376

Also suitable for 12 mm glass thickness.

Not illustrated:

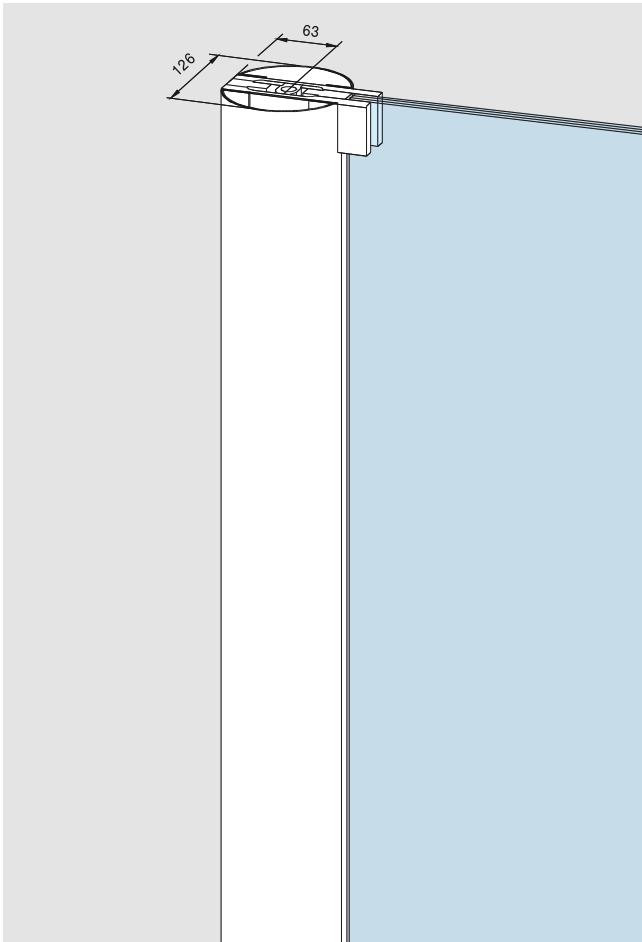
**Gasket**  
for 8 mm glass thickness

**Art. No. 01.900**

for 12 mm glass thickness

**Art. No. 01.901**

Please indicate glass thickness and Art. No. of fitting.



**Aluminium round profile**  
for pinch free doors with 65 mm pivot point, consisting of 2 halves, prepared for Universal fittings or door rails (76.5 mm or 100 mm).

**Art. No. 03.380**

Please indicate:

- Panel height (max. 2500 mm, higher dimension on request)
- Required preparation of the profile for top and bottom fittings

**Aluminium round profile,**  
as above,  
stock length 6000 mm  
(unprepared)

**Art. No. 03.381**

**Aluminium round profile,**  
as above,  
stock length 3000 mm  
(unprepared)

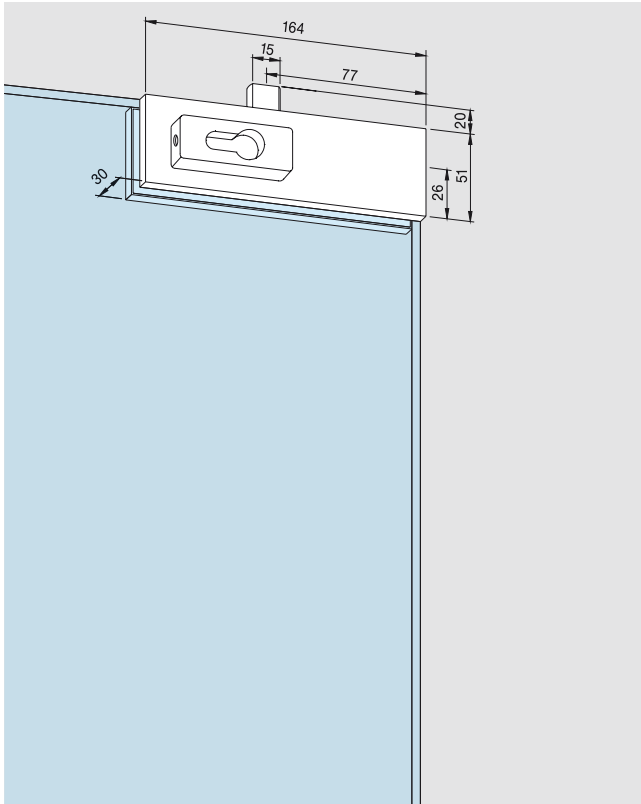
**Art. No. 03.382**

**Aluminium round profile,**  
as above,  
stock length 2800 mm  
(unprepared)

**Art. No. 03.383**

Weight in kg/m:  
Aluminium 4.744

## LOCKS, COMPLETE FOR 10 MM GLASS THICKNESS



### US 10 corner lock,

prepared for Europrofile cylinder, single throw, bolt projection 20 mm, with security rosettes on both sides, 14 mm thick.

Lock insert:

- high corrosion resistance according to EN 1670, class 4
- with regard to type-test according to DIN 18251, class 3\*\*

For 10 mm glass thickness

**Art. No. 03.206**

Not illustrated:

For 12 mm glass thickness, only in satin stainless steel

**Art. No. 03.867**

For 15 and 19 mm glass thickness. Please specify with order.

**Art. No. 03.285**

Prepared for KABA

**Art. No. 03.340**

For half profile cylinder

**Art. No. 03.288**

Left hand top/ right hand bottom

**Art. No. 03.287**

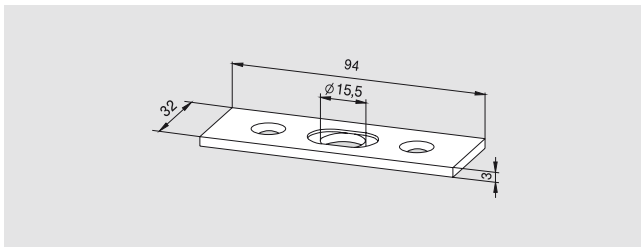
Left hand bottom/right hand top

Weight in kg:

aluminium	0.942
brass	1.061
stainless steel	1.053

**Art. No. 05.190**

Weight in kg: 0.048



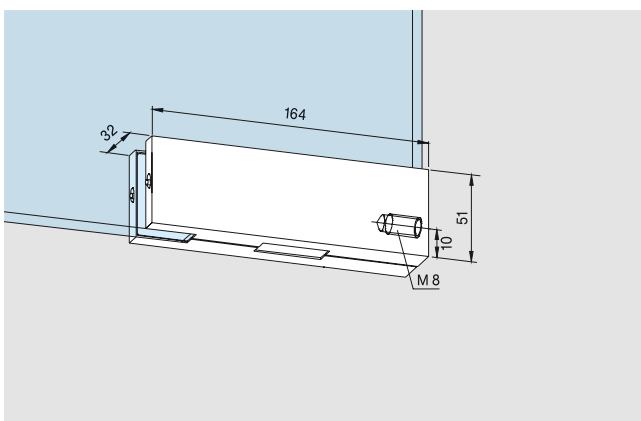
### Lock keeper plate,

stainless steel, two parts, adjustable  $\pm 5$  mm

Alternative (not illustrated):

**Floor sockets**  
(see accessories page 135)

**Art. No. 05.192, 05.193, 05.194**



**GK 30 single overpanel strike box** with threaded hole at side, to suit US 10 corner lock

**Art. No. 03.230**

Not illustrated:

For 12 mm glass thickness, only in satin stainless steel

**Art. No. 03.870**

Weight in kg:

aluminium	0.418
brass	0.555
stainless steel	0.536

Not illustrated:

**GK 30 with stop**

**Art. No. \*03.234/03.235**

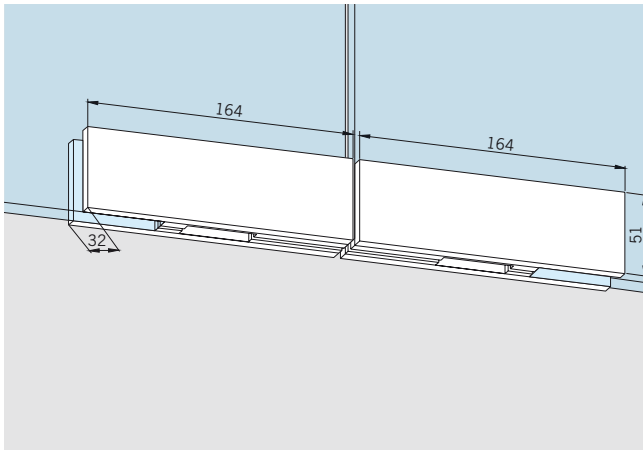
Weight in kg:

Fixing material see accessories page 138.

aluminium	0.463
stainless steel	0.597

\* Left or right hand are determined by view from outside.

\*\* Extract from DIN 18251, class 3: Type-test with 50,000 locking bolt operating cycles. Furthermore the lock was tested successfully by a neutral testing institute with 100,000 locking bolt operating cycles.



**GK 20 double overpanel strike box** to suit US 10 corner lock, consisting of two GK 30 with threaded connecting bolt

**Art. No. 03.245**

Not illustrated:

For 12 mm glass thickness, only in satin stainless steel

**Art. No. 03.871**

Weight in kg:  
aluminium 0.844  
brass 1.096  
stainless steel 0.948

Not illustrated:

**GK 20 with stop**

**Art. No. 03.247**

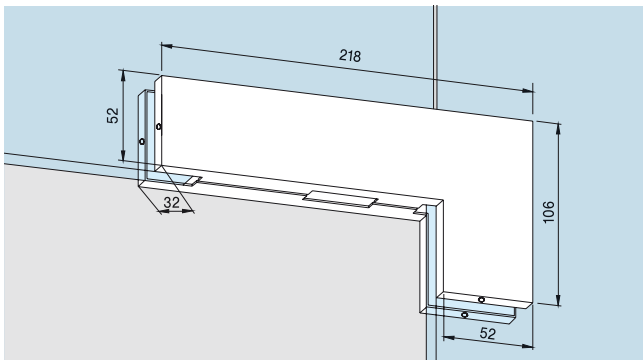
Weight in kg:  
aluminium 1.490  
brass 4.465

Not illustrated:

For 12 mm glass thickness, only in satin stainless steel

**Art. No. 03.872**

Weight in kg:  
aluminium 0.709  
brass 1.035  
stainless steel 1.010



**GK 40 corner overpanel strike box** to suit US 10 corner lock

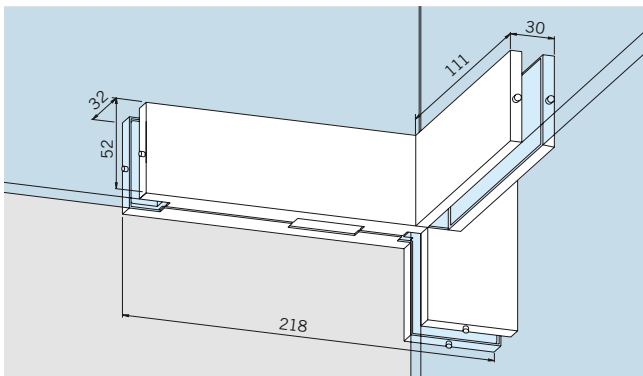
**Art. No. 03.250**

Not illustrated:

**GK 40 with stop**

**Art. No. \*03.254 / 03.255**

Weight in kg:  
aluminium 0.754  
brass 1.035  
stainless steel 1.010

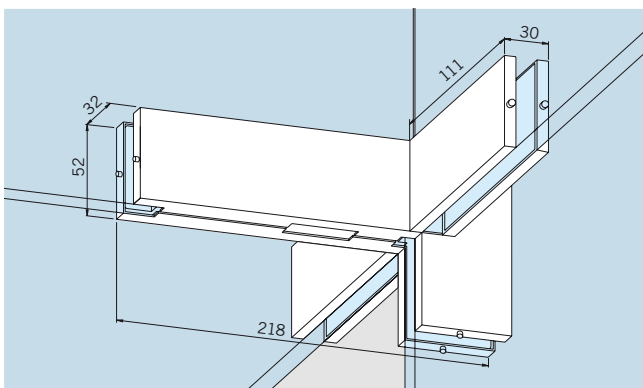


**GK 41 strike box**

to suit US 10 corner lock, with fin fitting

**Art. No. \*03.194 / 03.193**

Weight in kg:  
aluminium 0.906  
stainless steel 1.270



**GK 41 strike box**

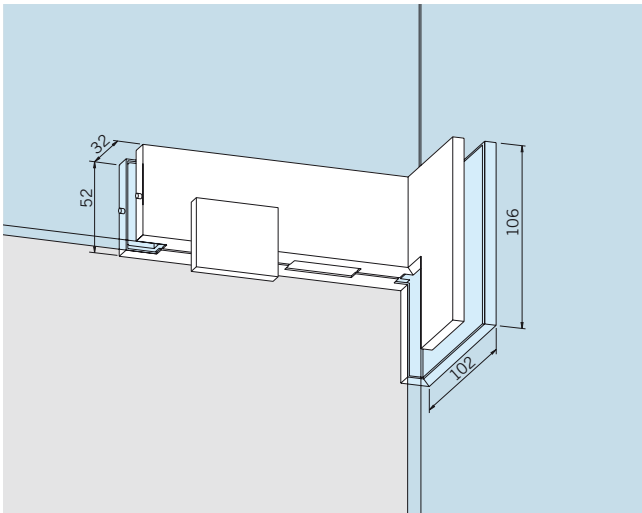
with fin fitting on both sides

**Art. No. 03.195**

Weight in kg:  
aluminium 1.103  
stainless steel 1.411

\* Order of Art. No.: left hand fin / right hand fin – determined by view from outside. (Illustration shows left hand)





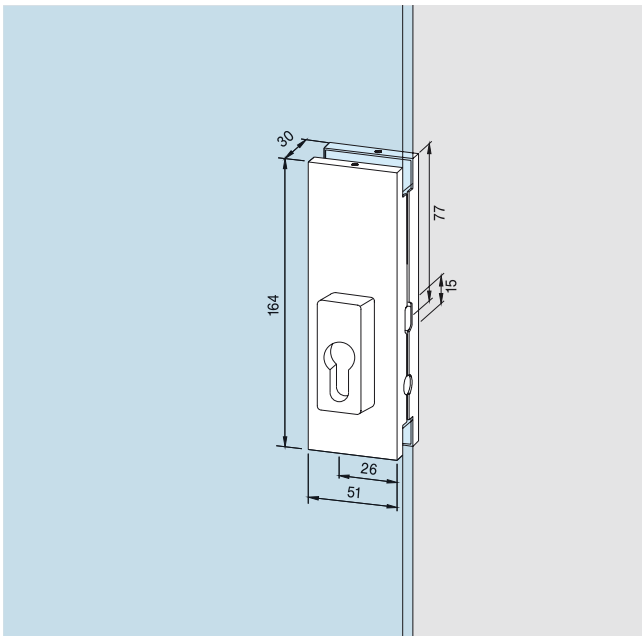
**GK 42 strike box,**  
to suit US 10 corner lock,  
angle 90°, with stop inside

**Art. No. \*03.274/03.275**

Not illustrated:  
angle 135°, without stop

**Art. No. \*03.276/03.277**

Weight in kg:  
aluminium 0.910  
stainless steel 1.247



**US 20 centre lock,**  
prepared for Europrofile  
cylinder, single throw, bolt pro-  
jection 20 mm, with security  
rosettes 14 mm thick.

Lock insert:  
– high corrosion resistance  
according to EN 1670, class 4  
– with regard to type-test  
according to DIN 18251,  
class 3\*\*

For 10 mm glass thickness

**Art. No. 03.215**

For 12 mm glass thickness,  
only in satin stainless steel

**Art. No. 03.868**

Not illustrated:  
prepared for KABA

**Art. No. 03.345**

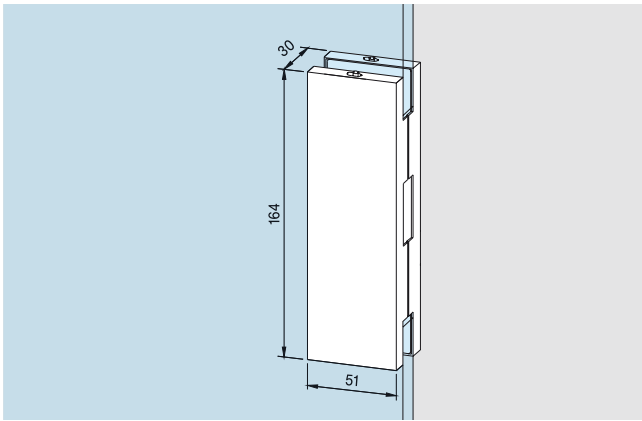
Prepared for half profile cylinder

**Art. No. \*03.290 / 03.289**

Weight in kg:  
aluminium 0.942  
brass 1.061  
stainless steel 1.053

\* Order of Art.No.: left hand fin / right hand fin – determined by view from outside.

\*\* Extract from DIN 18251, class 3: Type-test with 50,000 locking bolt operating cycles. Furthermore the lock was tested successfully by a neutral testing institute with 100,000 locking bolt operating cycles.



**GK 50 strike box**  
to suit US 20 centre lock

For 10 mm glass thickness

For 12 mm glass thickness,  
only in satin stainless steel

**Art. No. 03.224**

**Art. No. 03.869**

Weight in kg:

aluminium	0.602
brass	0.730
stainless steel	0.727

# UNIVERSAL PINCH FREE

## Completely pinch free double swing doors

Universal pinch free patch fittings with their 15 mm pivot point help to resolve this problem by means of the closeness of the pivot point to the frame. In order to eliminate finger traps completely, the special radiused edging strip should be used.

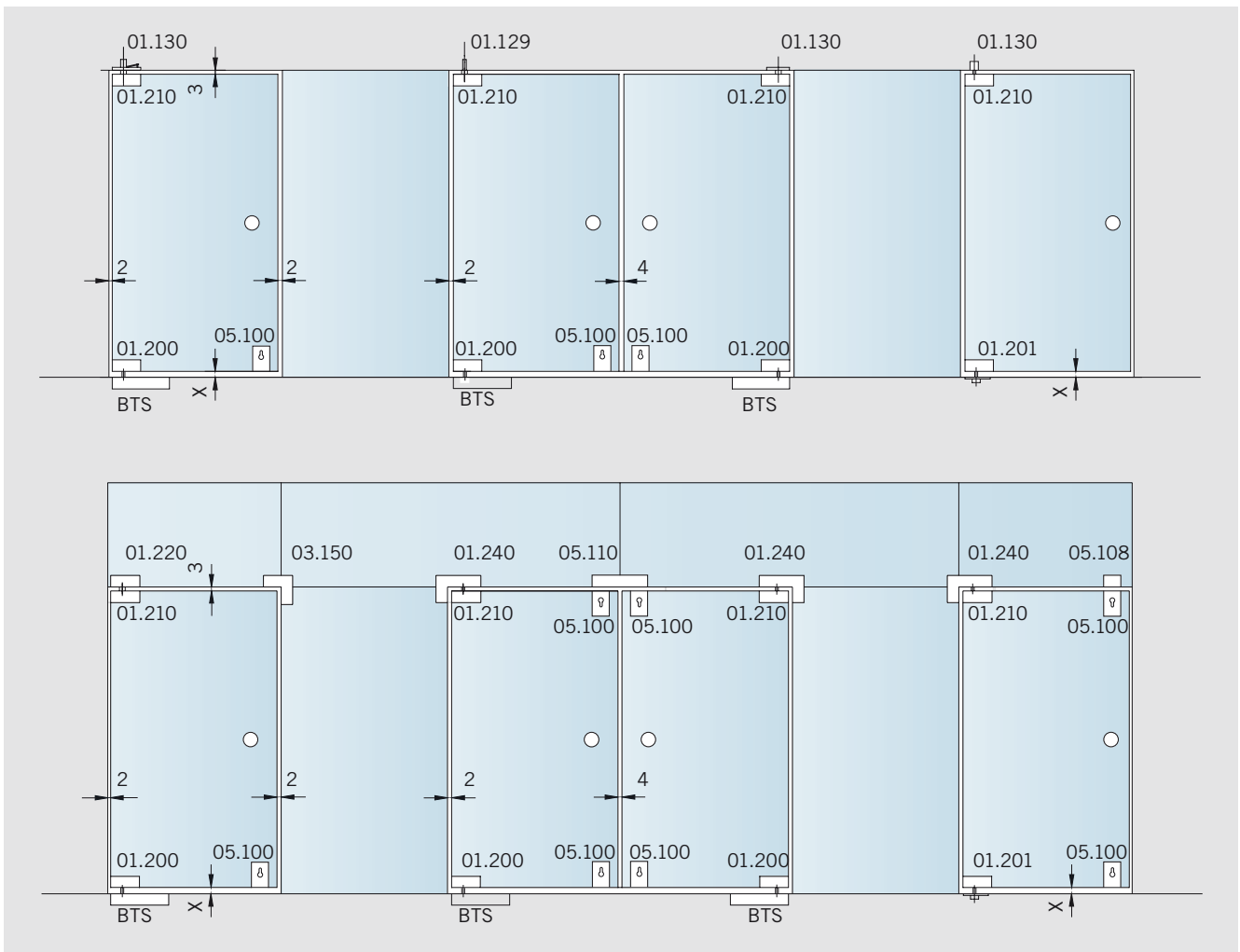
## Suitable for 10 mm and 8 mm glass thicknesses

DORMA Universal pinch free corner patches are supplied as standard with gasket to suit 10 mm glass.

For 8 mm glass, correspondingly thicker gasket is available.

# TYPE SELECTION

Toughened glass assemblies with patches for pinch free centre hung doors. All standard assembly types see page 5.



BTS = Floor spring

X = 10 mm with  
Art. No. 01.200

X = see page 41

for

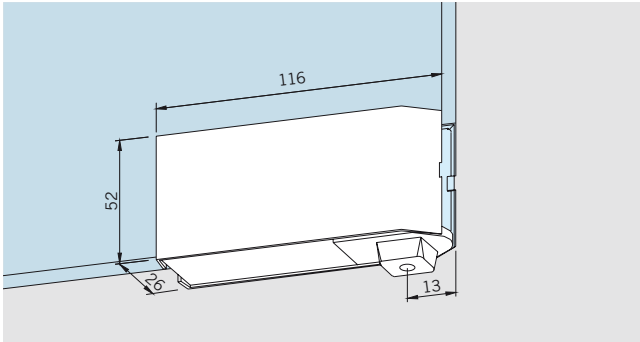
Art. No. 01.201

Maximum door weight and  
width for patch fittings  
max. door weight: 80 kg

max. door width: 1100 mm  
For door weights up to 150 kg  
and widths up to 1400 mm,  
door rails should be used.

Torque for fixing screws  
Screws M 6: 10 Nm (4 mm)\*  
Screws M 6: 15 Nm (5 mm)\*  
Screws M 8: 20 Nm (5 mm)\*  
\*Allan key size

Pinch free patch fittings with 15 mm pivot point, complete,  
for 10 mm glass thickness  
Accessories see page 137.

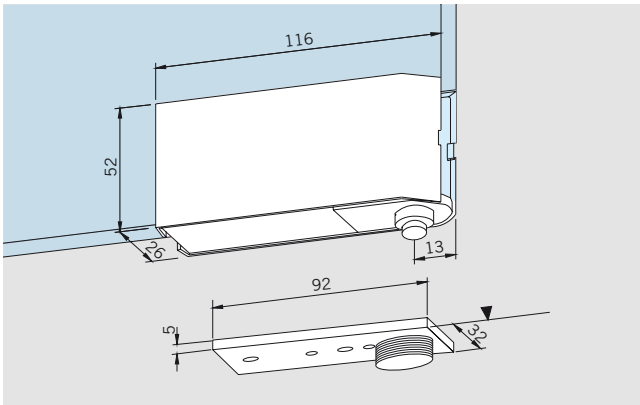


**Bottom patch**

complete with spindle insert for  
DORMA BTS floor spring

**Art. No. 01.200**

Weight in kg:  
aluminium 0.473  
stainless steel 0.535

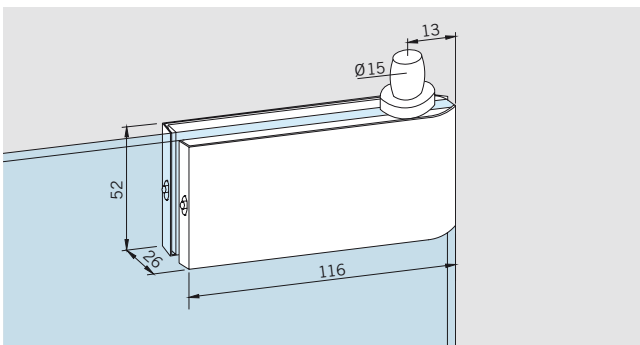


**Bottom patch**

complete with pivot insert and  
pivot bearing, with cover plate,  
height adjustable by 5 mm;  
floor clearance see page 41

**Art. No. 01.201**

Weight in kg:  
aluminium 0.560  
stainless steel 0.622

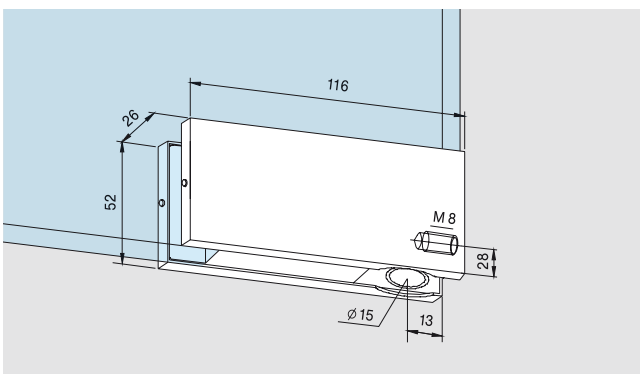


**Top patch fitting**

with pivot pin 15 mm Ø

**Art. No. 01.210**

Weight in kg:  
aluminium 0.453  
stainless steel 0.526

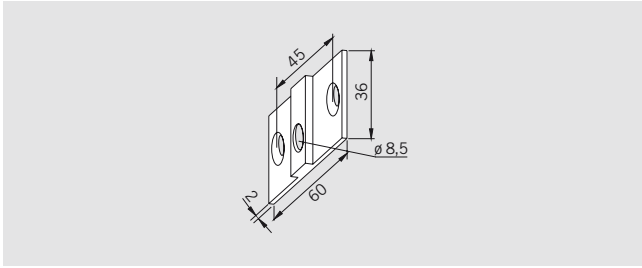


**Overpanel patch**

with 15 mm Ø pivot pin  
and threaded hole at side

**Art. No. 01.220**

Weight in kg:  
aluminium 0.262  
stainless steel 0.335

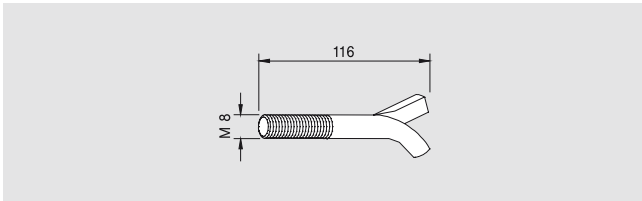


**Fixing plate**  
for overpanel patch EP

**Art. No. 01.127**

Weight in kg:  
aluminium 0.019  
brass 0.045

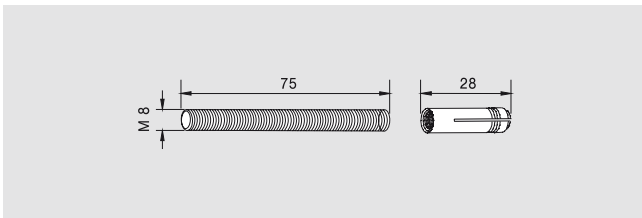
Stainless steel not available,  
satin chrome on brass supplied.



**Wall anchor**  
with thread M 8 for overpanel  
patch

**Art. No. 01.133**

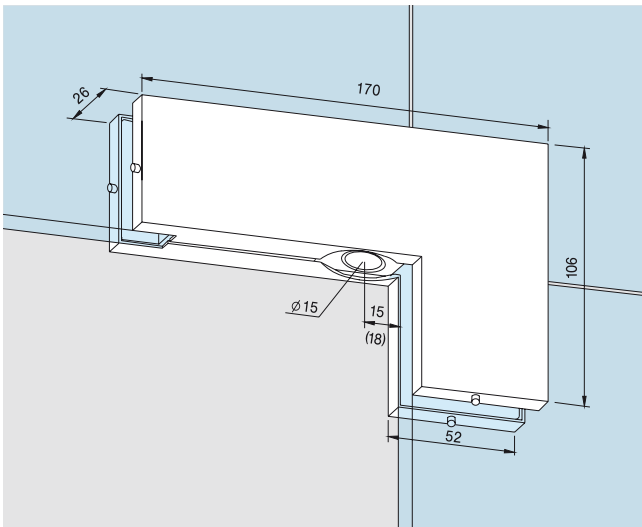
Weight in kg: 0.040



**Threaded rod**  
M 8 with plug for overpanel  
patch

**Art. No. 01.134**

Weight in kg: 0.032



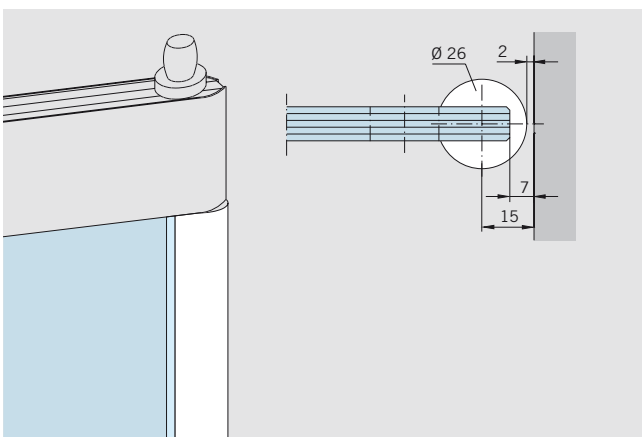
**Patch for overpanel and side-  
light** with plastic socket for  
15 mm Ø pivot pin, pivot point  
15 mm in combination with  
patch fittings

**Art. No. 01.240**

Not illustrated:  
pivot point 18 mm  
in combination with door rails

**Art. No. 01.245**

Weight in kg:  
aluminium 0.542  
stainless steel 0.547



**Radiused edging strip\***  
for pinch free doors, (strip is  
clamped onto free glass edge),  
acrylic.

**Art. No. 01.231**

Length: up to 4500 mm  
(please specify height)

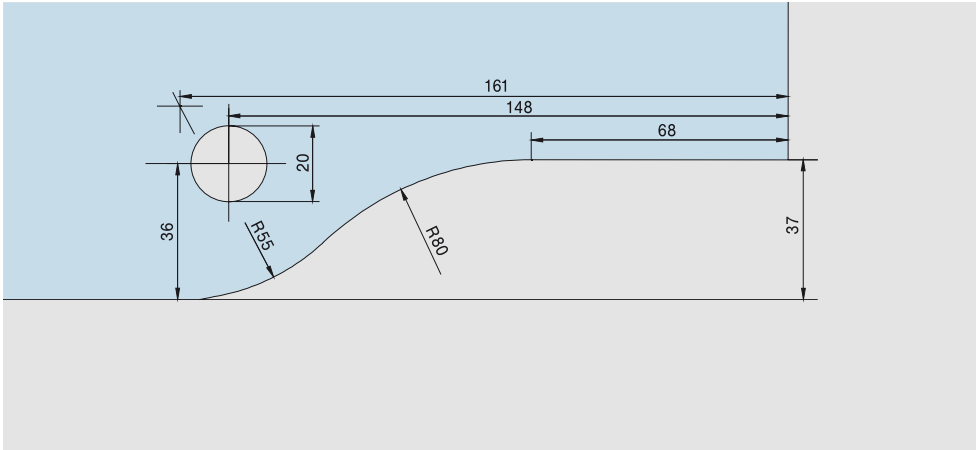
**Art. No. 01.230**

Length: 2250 mm

Weight in kg/m: 0.408

\* Important information: If radiused edging strip is used, special glass preparation is necessary (see page 39).

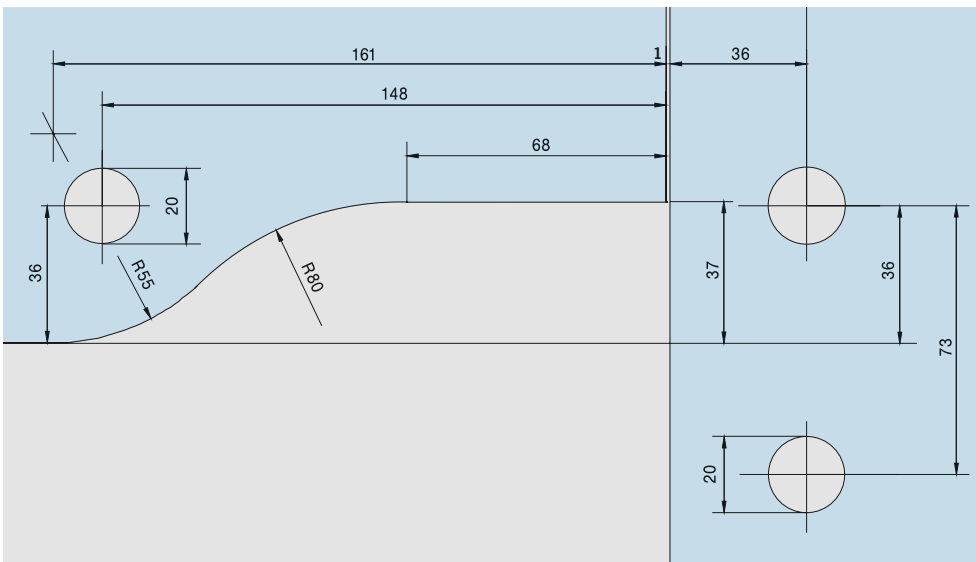
# GLASS PREPARATION FITTINGS



**PT 10, PT 20, PT 22, PT 29, PT 30**

Top and bottom patches, overpanel patch  
 Art. No. 03.100, 03.110, 03.114, 03.120, 03.212, 03.280, 03. 281, 03.282, 03.420, 03.421

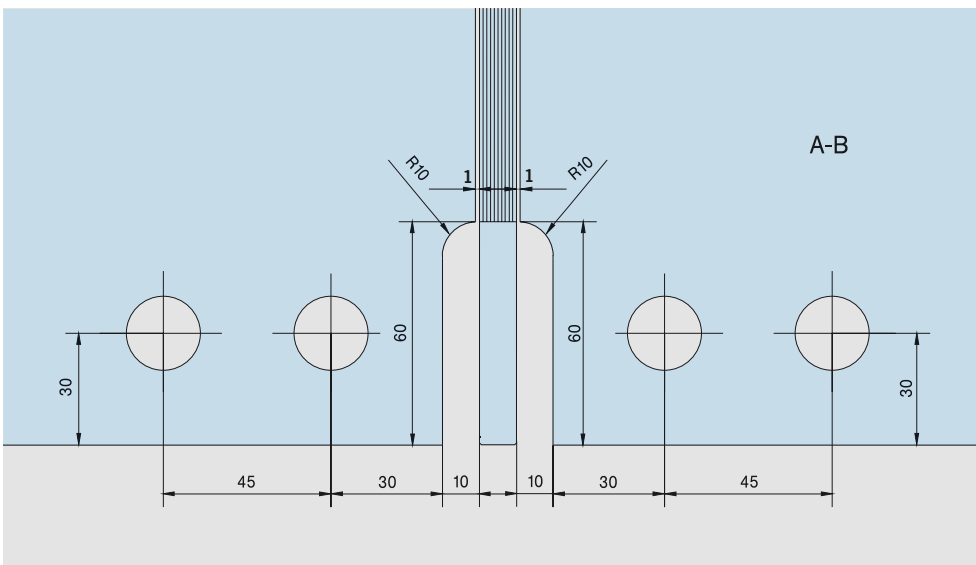
**Scale 1 : 2**



**PT 40**

Patch for overpanel and sidelight  
 Art. No. 03.140, 03.283, 03.440, 03.441

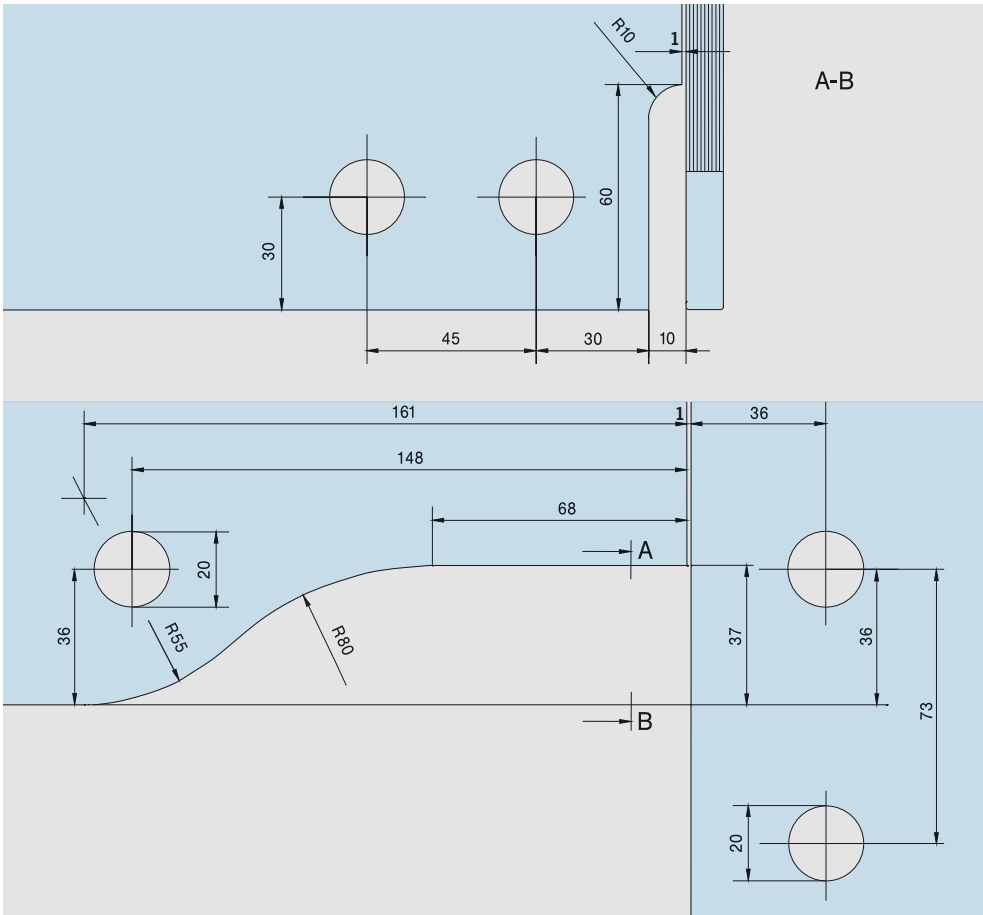
**Scale 1 : 2**



**PT 41, GK 41**

Patch for overpanel and sidelight with fin fitting on both sides  
 Art. No. 03.161, 03.195

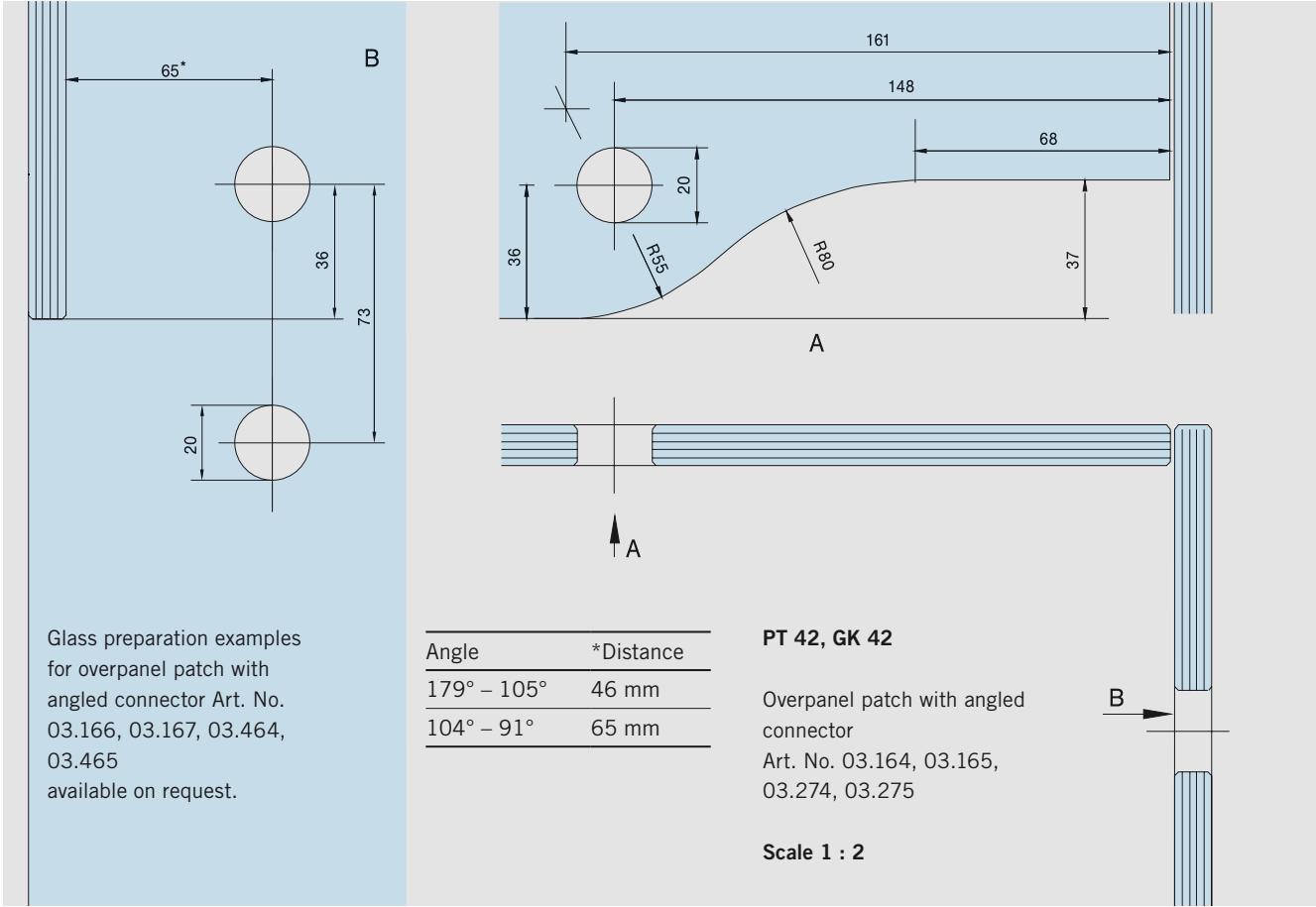
**Scale 1 : 2**



**PT 41, GK 41**

Patch for overpanel and side-light with fin fitting inside  
 Art. No. 03.162, 03.163, 03.193, 03.194

**Scale 1 : 2**



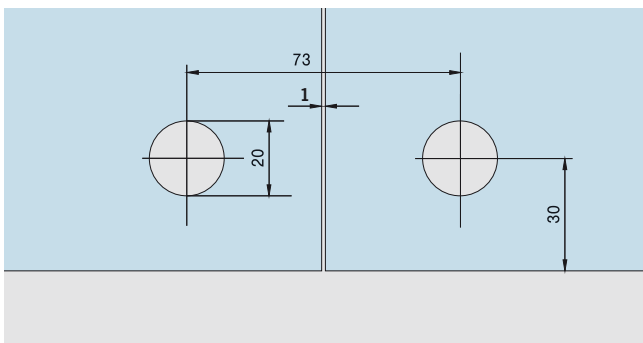
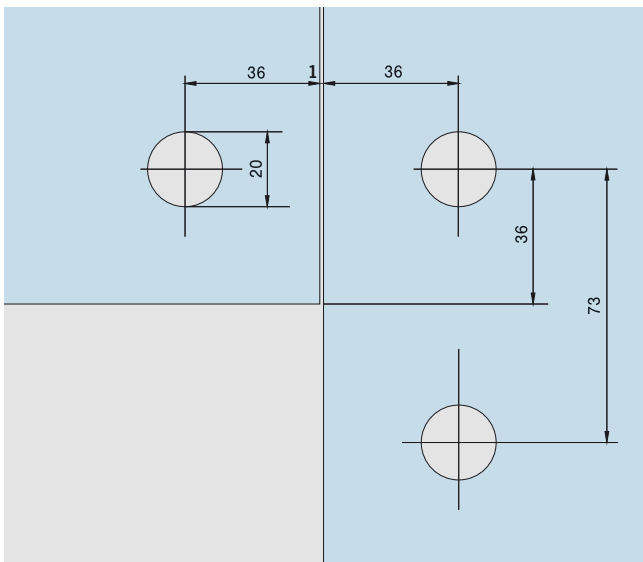
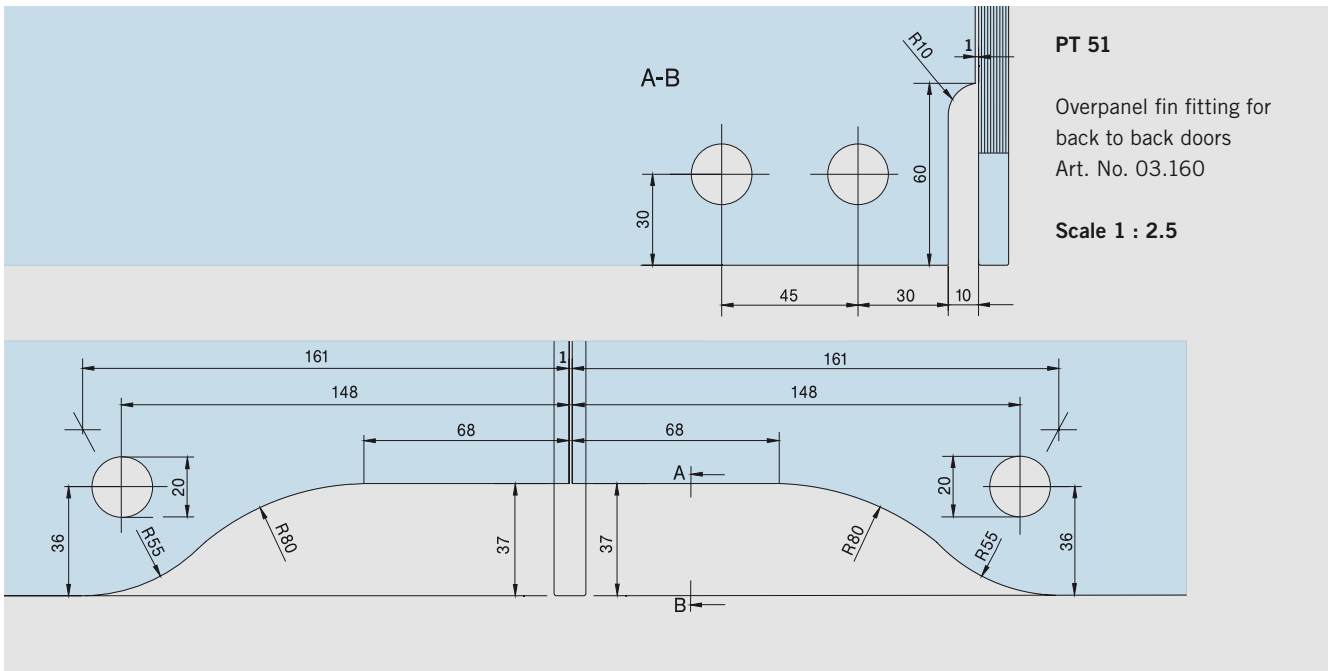
Glass preparation examples for overpanel patch with angled connector Art. No. 03.166, 03.167, 03.464, 03.465 available on request.

Angle	*Distance
179° - 105°	46 mm
104° - 91°	65 mm

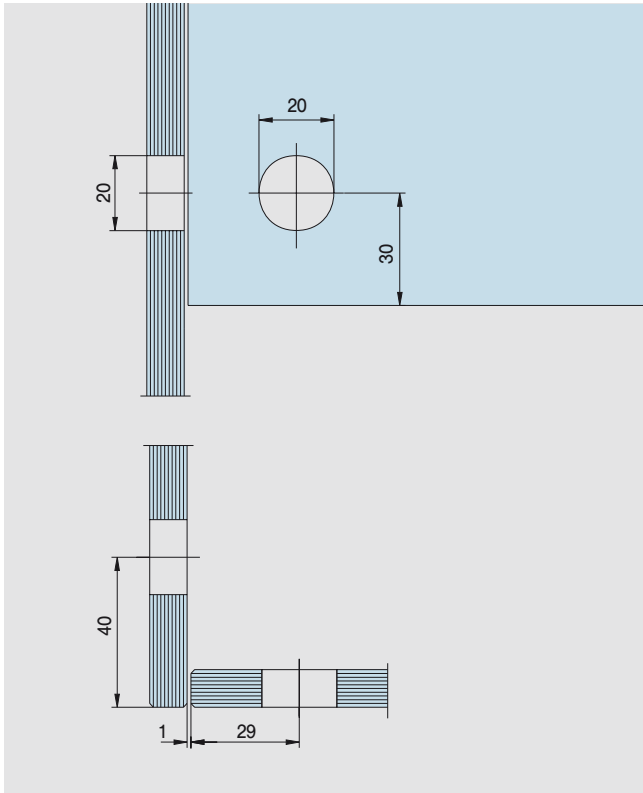
**PT 42, GK 42**

Overpanel patch with angled connector  
 Art. No. 03.164, 03.165, 03.274, 03.275

**Scale 1 : 2**





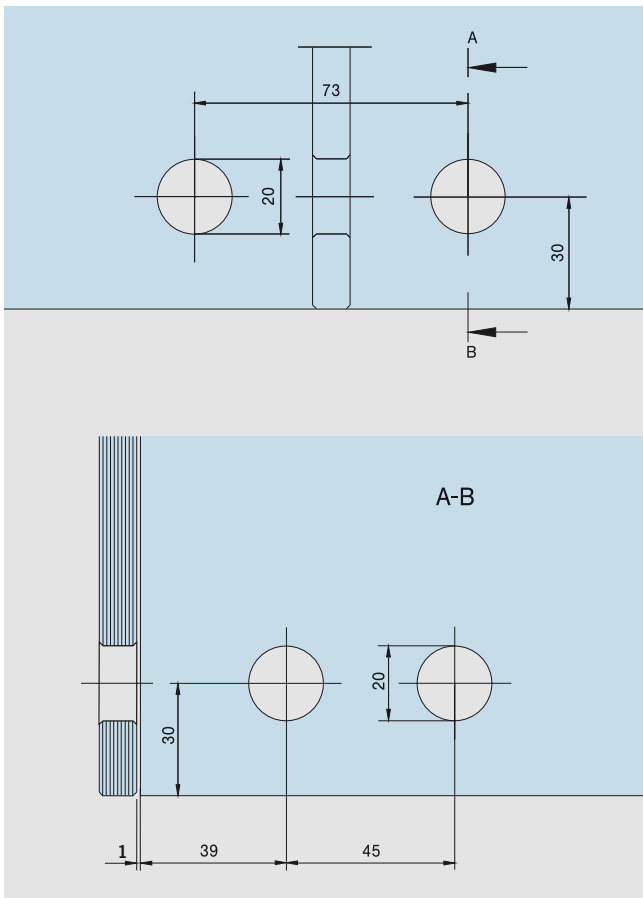


**PT 70**

Connectors for overpanels and sidelights, 90°  
Art. No. 01.156

Glass preparation examples for angles between 91° – 179° available on request.

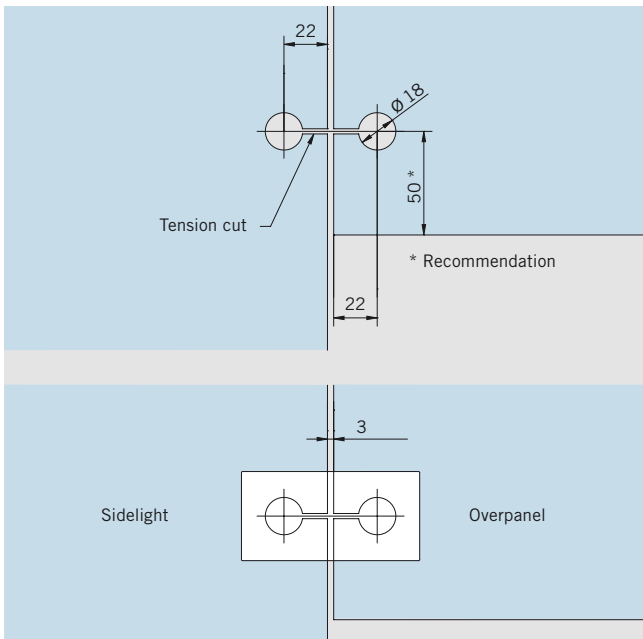
**Scale 1 : 2**



**PT 71**

Overpanel connector with fin fitting  
Art. No. 01.161

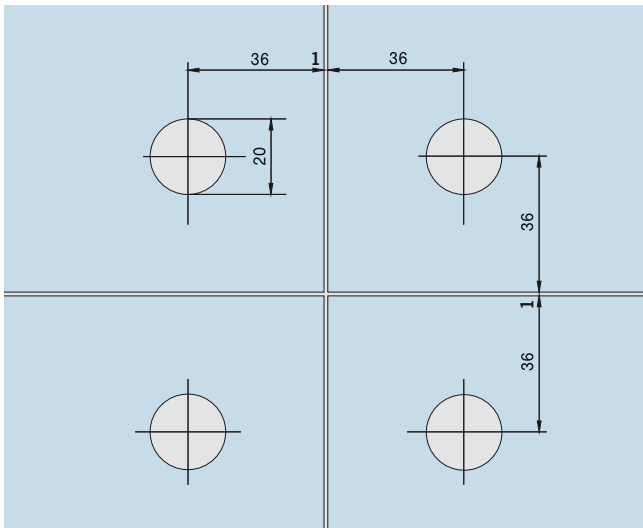
**Scale 1 : 2**



**Overpanel-sidelight connector**

**Art. No. 12.536**

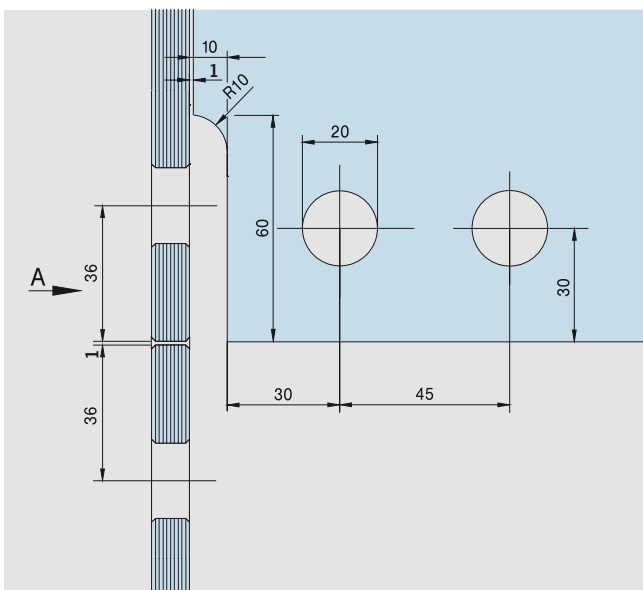
Weight in kg:  
aluminium 0,146



**PT 80**

Connector  
Art. No. 03.170, 03.472

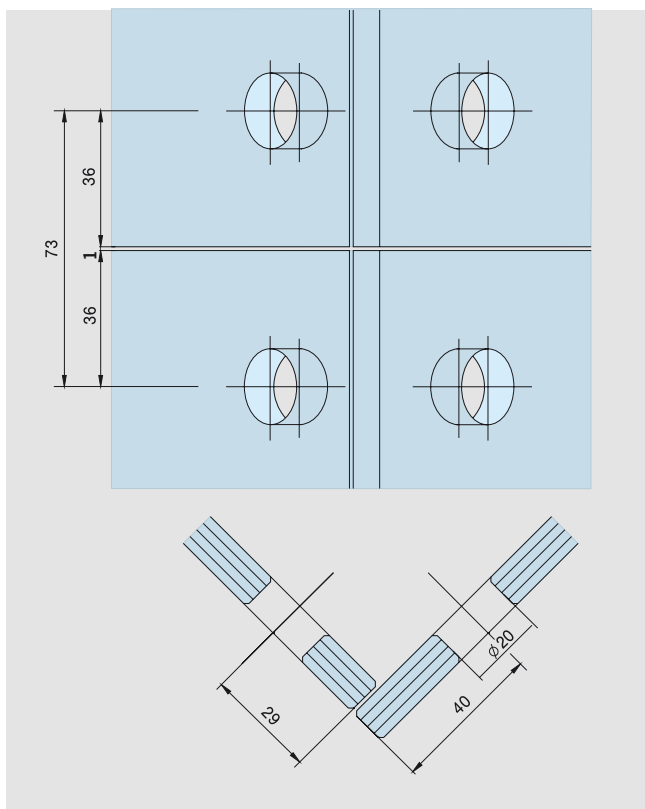
**Scale 1 : 2**



**PT 81**

Connector with  
fin fitting  
Art. No. 03.175

**Scale 1 : 2**

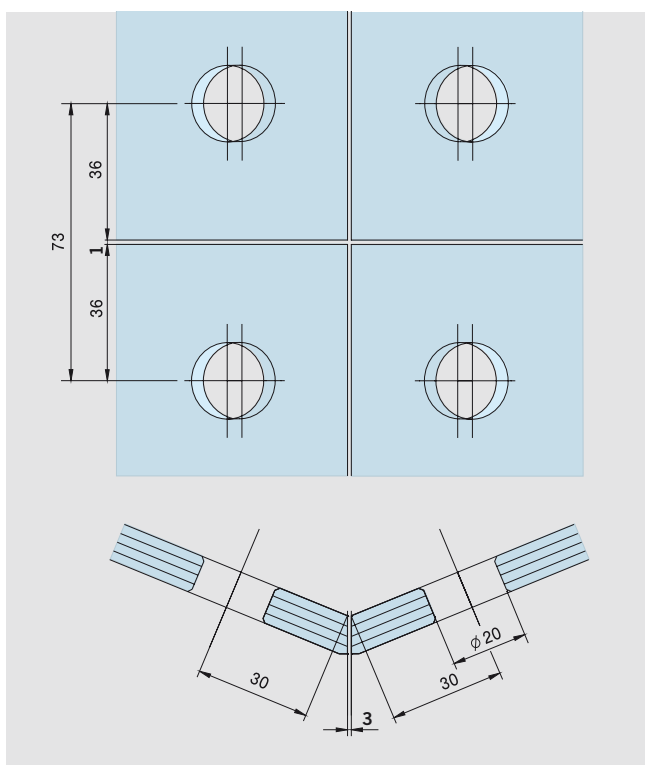


**PT 80**

Angled connector, 90°  
Art. No. 03.171

Glass preparation examples  
for angles between  
91° – 134° / 136° – 179°  
available on request.

**Scale 1 : 2**

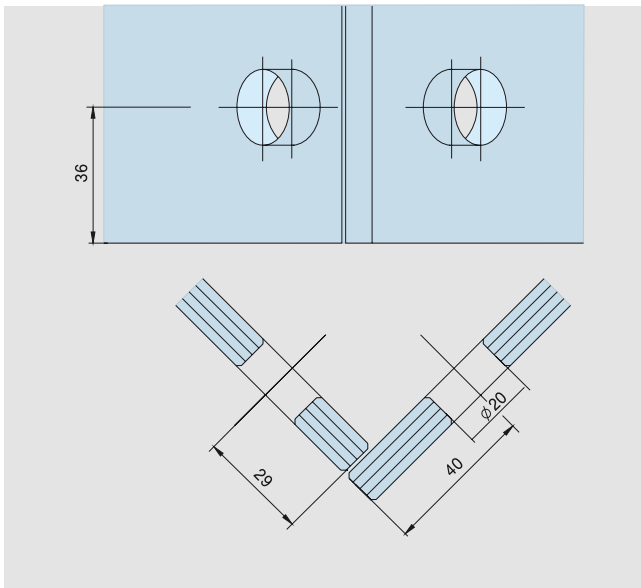


**PT 80**

Angled connector, 135°  
Art. No. 03.172

Glass preparation examples  
for angles between  
91° – 134° / 136° – 179°  
available on request.

**Scale 1 : 2**

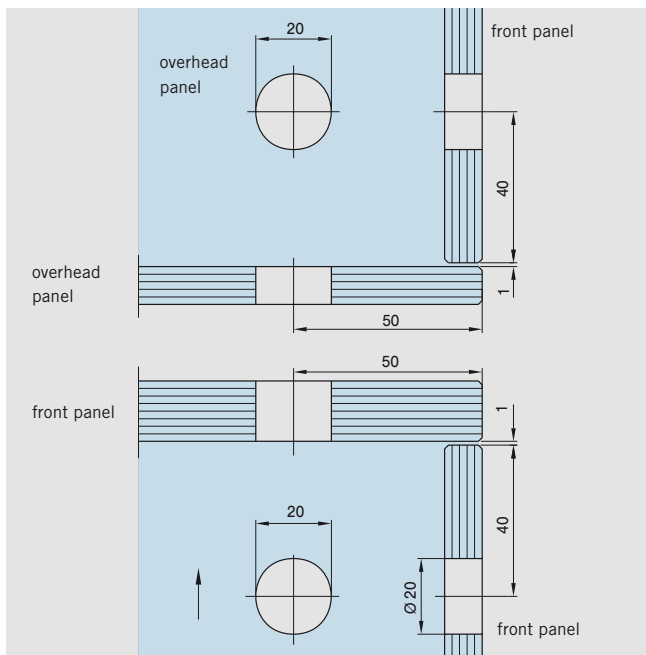


**PT 80 shortened**

Angled connector, 90°  
shortened  
Art. No. 03.470

Glass preparation examples  
for angles between  
91° – 134° / 136° – 179°  
available on request.

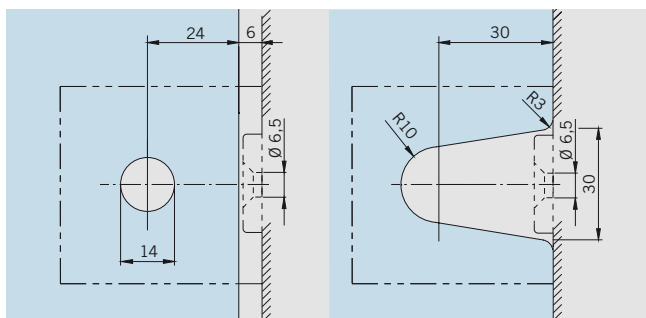
**Scale 1 : 2**



**Three way box corner connector**

angle 90°  
Art. No. 03.198

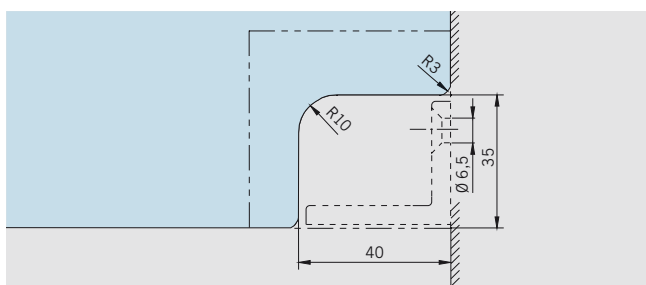
**Scale 1 : 2**



**PT 90**

Screw on fitting  
Art. No. 07.021

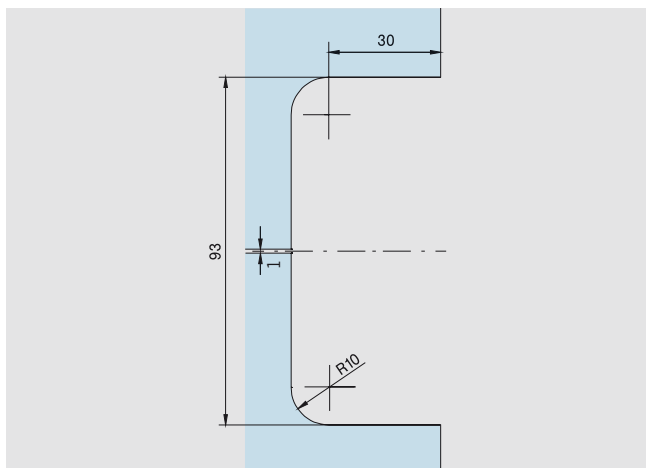
**Scale 1 : 2**



**PT 91**

Corner fitting  
Art. No. 07.023

**Scale 1 : 2**

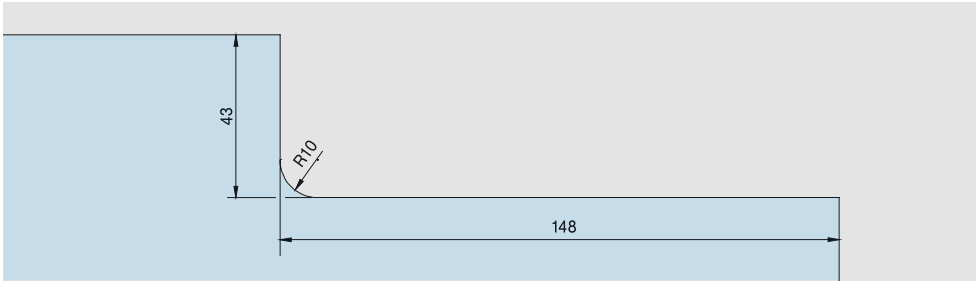


**Side connector**

with fixing plate  
Art. No. 01.153

**Scale 1 : 2**

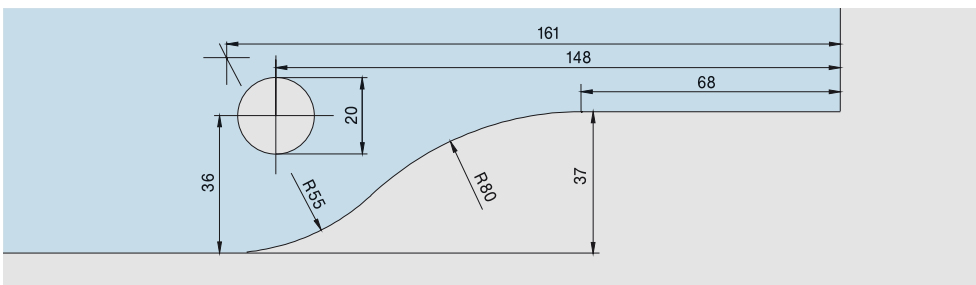
# GLASS PREPARATION LOCKS



**US 10**

Corner locks  
Art. No. 03.206, 03.285,  
03.287, 03.288, 03.340

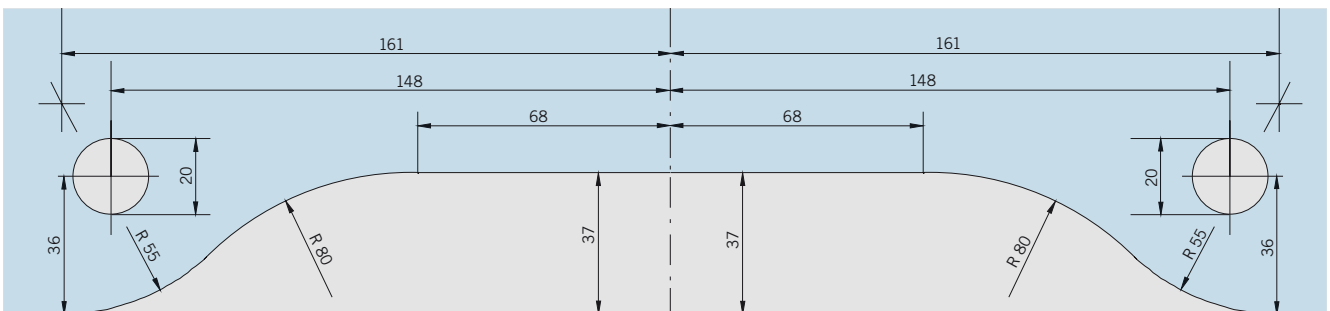
**Scale 1 : 2**



**GK 30 (PT 30)**

Single overpanel strike box  
Art. No. 03.230, 03.234,  
03.235

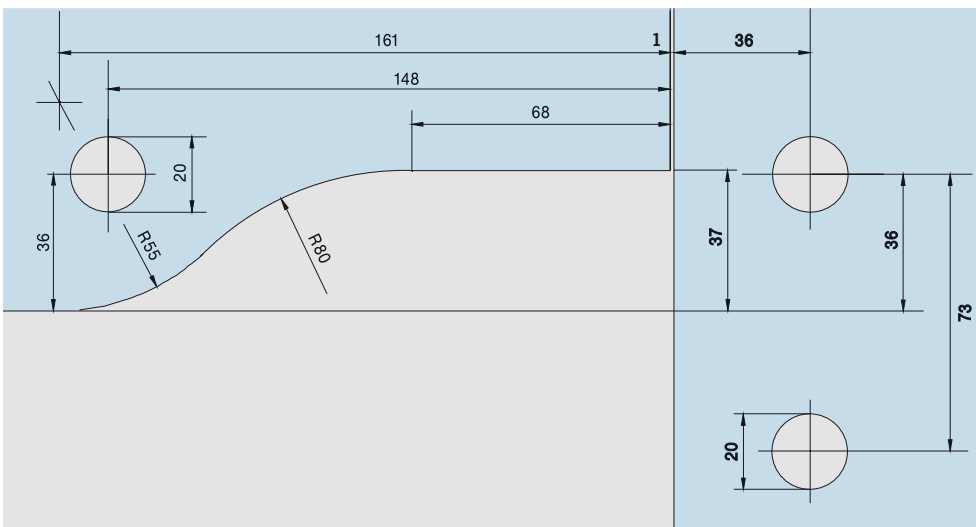
**Scale 1 : 2**



**GK 20**

Double overpanel strike box  
Art. No. 03.245, 03.247

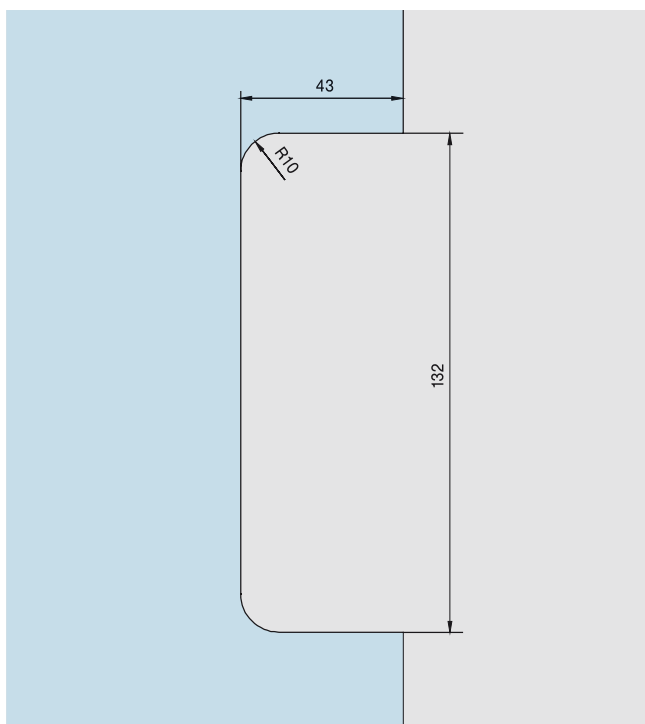
**Scale 1 : 2**



**GK 40 (PT 40)**

Corner overpanel  
strike box  
Art. No. 03.250, 03.254,  
03.255

**Scale 1 : 2**



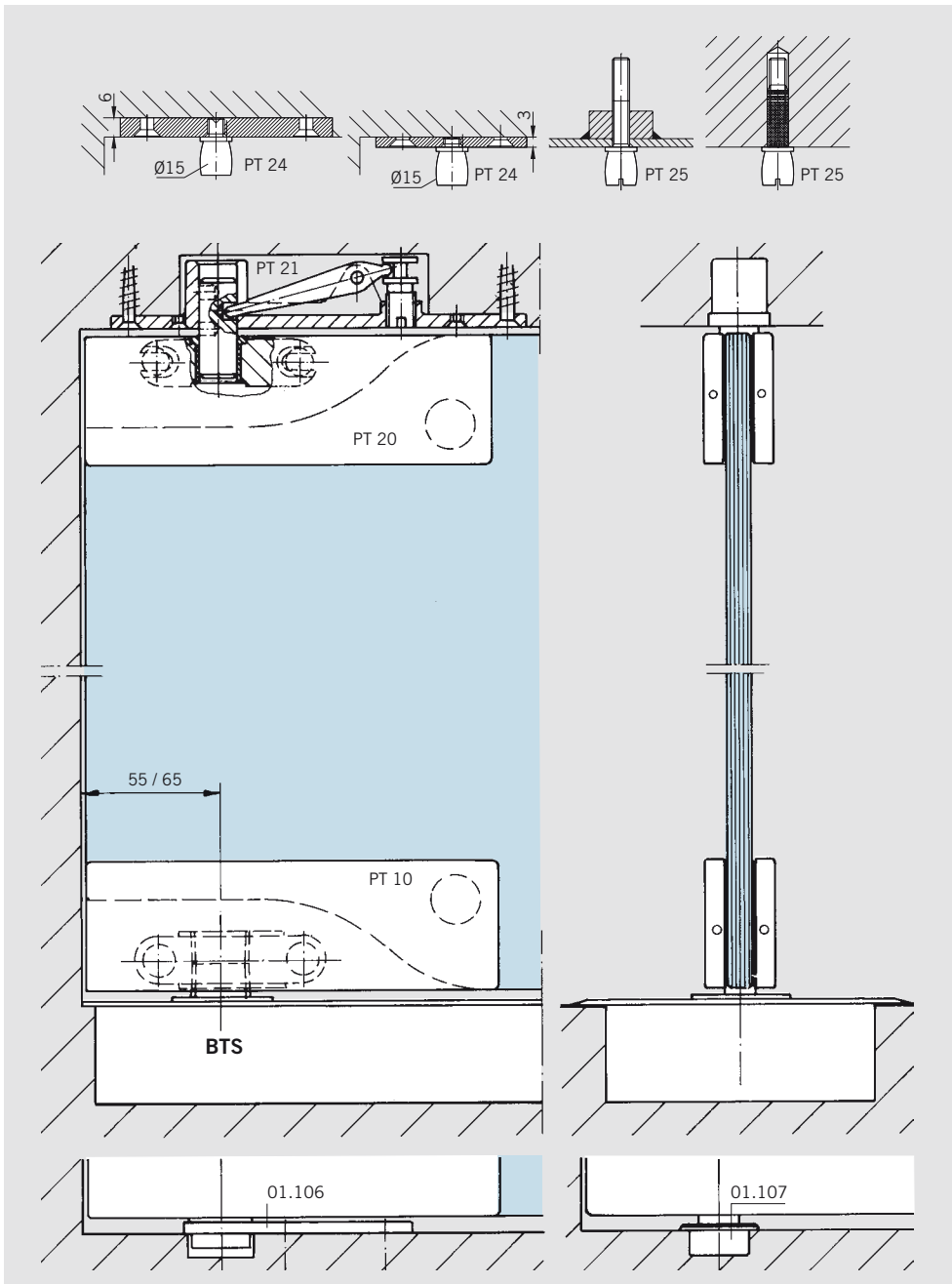
**US 20, GK 50**

Centre lock  
Art. No. 03.215, 03.345,  
03.289, 03.290

and strike box to suit  
centre lock  
Art. No. 03.224

**Scale 1 : 2**

# FIXING OF PIVOTS AND TOP CENTRES

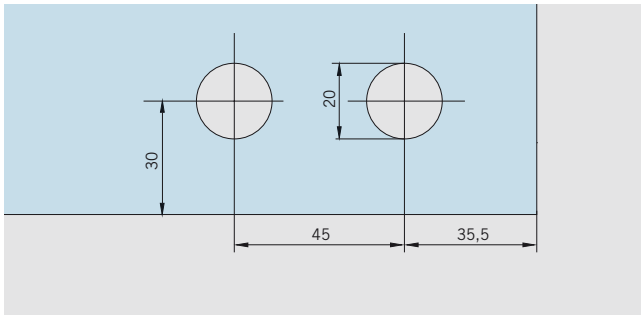


Fixing of top pivots and top centres for PT 20.

Fixing of floor springs, pivot bearings for PT 10.



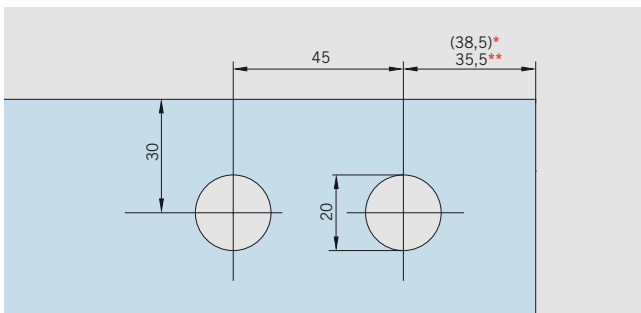
# GLASS PREPARATION



## Bottom patch fitting

Art. No. 01.200, 01.201

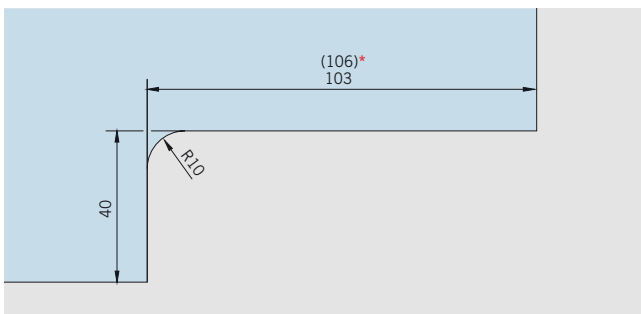
Scale 1 : 2



## Top patch fittings

Art. No. 01.210\*

Scale 1 : 2



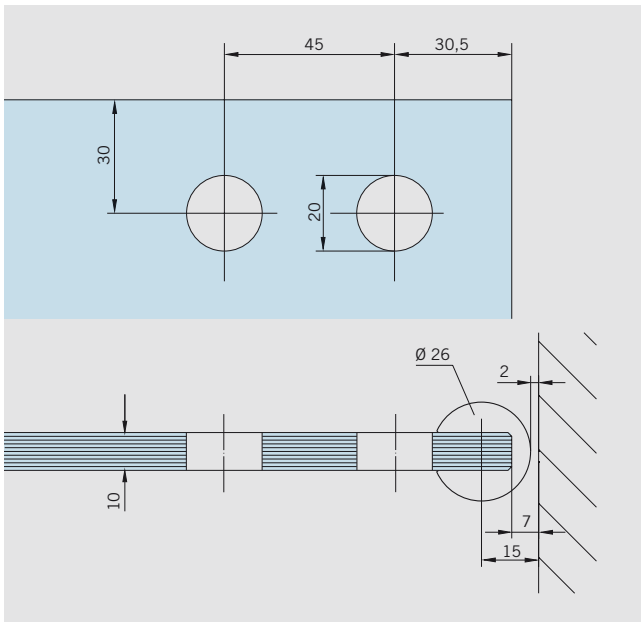
## Overpanel patch fittings

Art. No. 01.220\*

Scale 1 : 2

\* When used in conjunction with pinch free bottom rail, with 18 mm pivot point

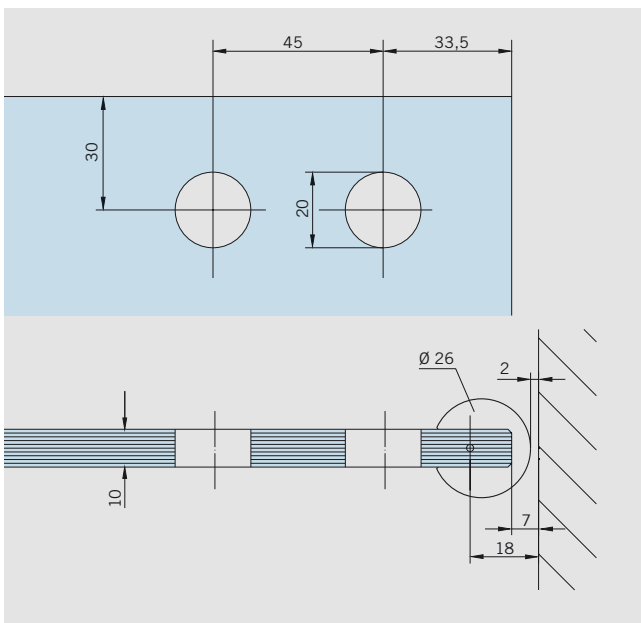
\*\* Important information:  
If radiused edging strip is used, special glass preparation is necessary. (see page 41).



**Top and bottom patch fittings**

Art. No. 01.200, 01.201 and 01.210,  
in conjunction with radiused  
edge strip  
Art. No. 01.021.001.00

**Scale 1 : 2**



**Top patch fitting**

Art. No. 01.210  
in conjunction with bottom rail  
and radiused edge strip  
Art. No. 01.021.001.00

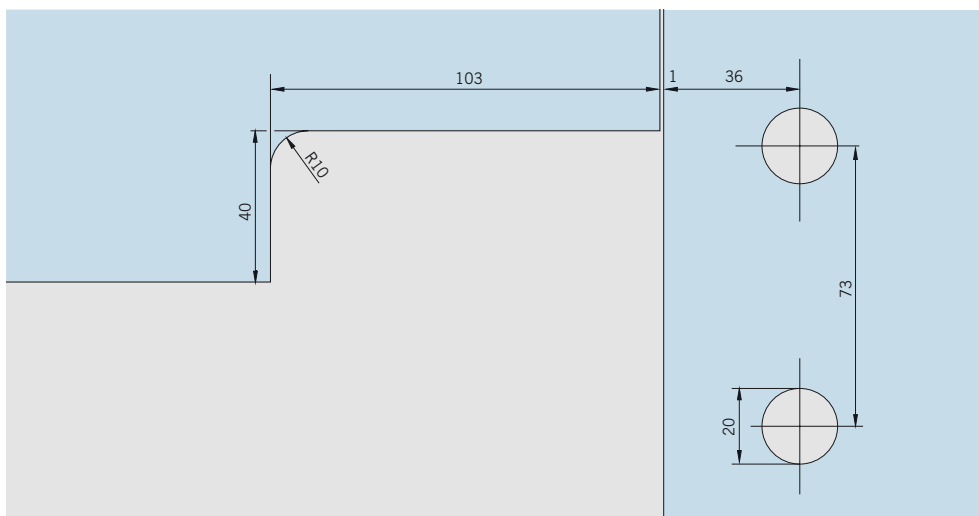
**Scale 1 : 2**

# OVERPANEL AND SIDELIGHT

## Divided overpanel

Art. No. 01.240, 01.245

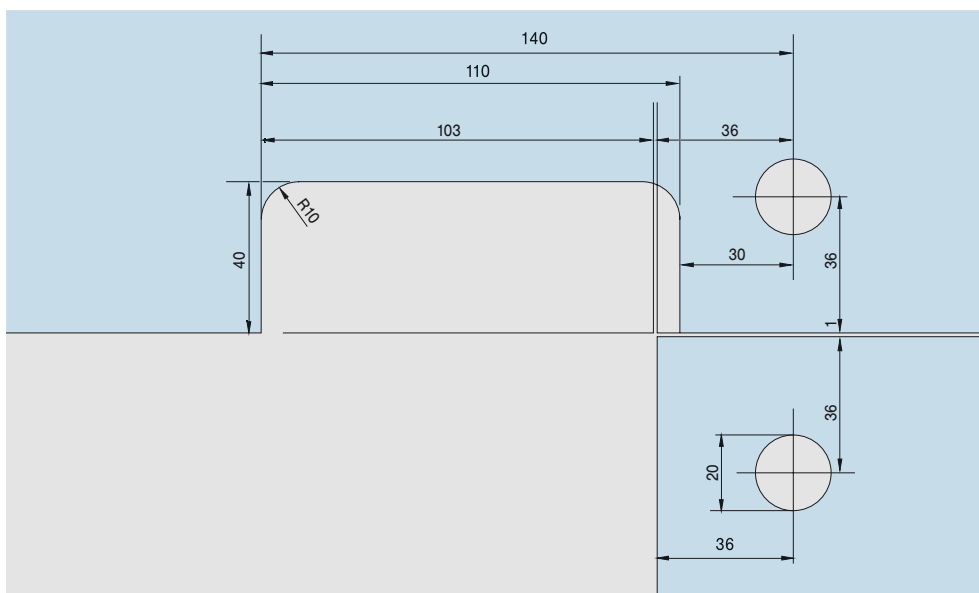
Scale 1 : 2



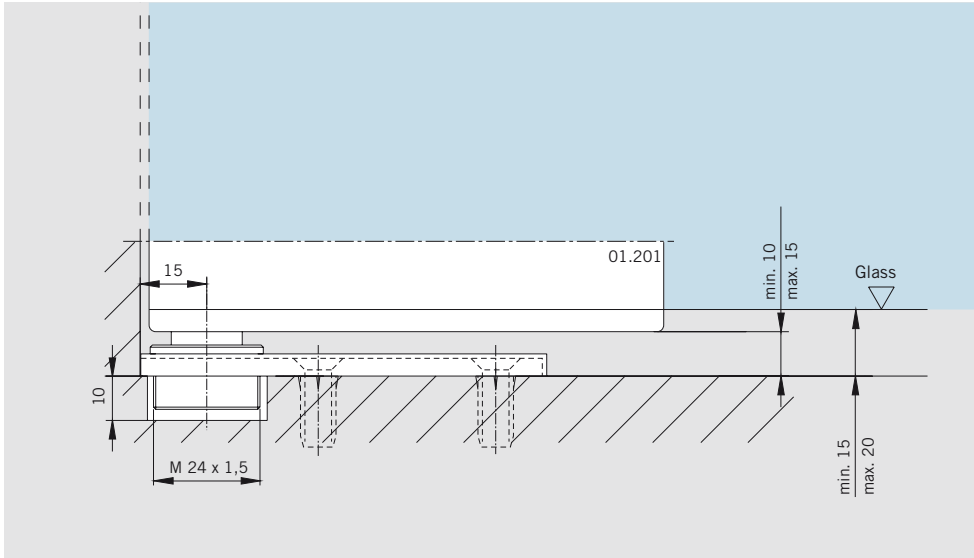
## Undivided overpanel

Art. No. 01.240, 01.245

Scale 1 : 2



# CONSTRUCTION DETAILS



Using the bottom patch on pivot bearing with cover plate (Art. No. 01.201) the air gap between floor and glass is 15–20 mm (by height adjustability). To reduce the air gap to 10 mm: Embed base plate into the floor.