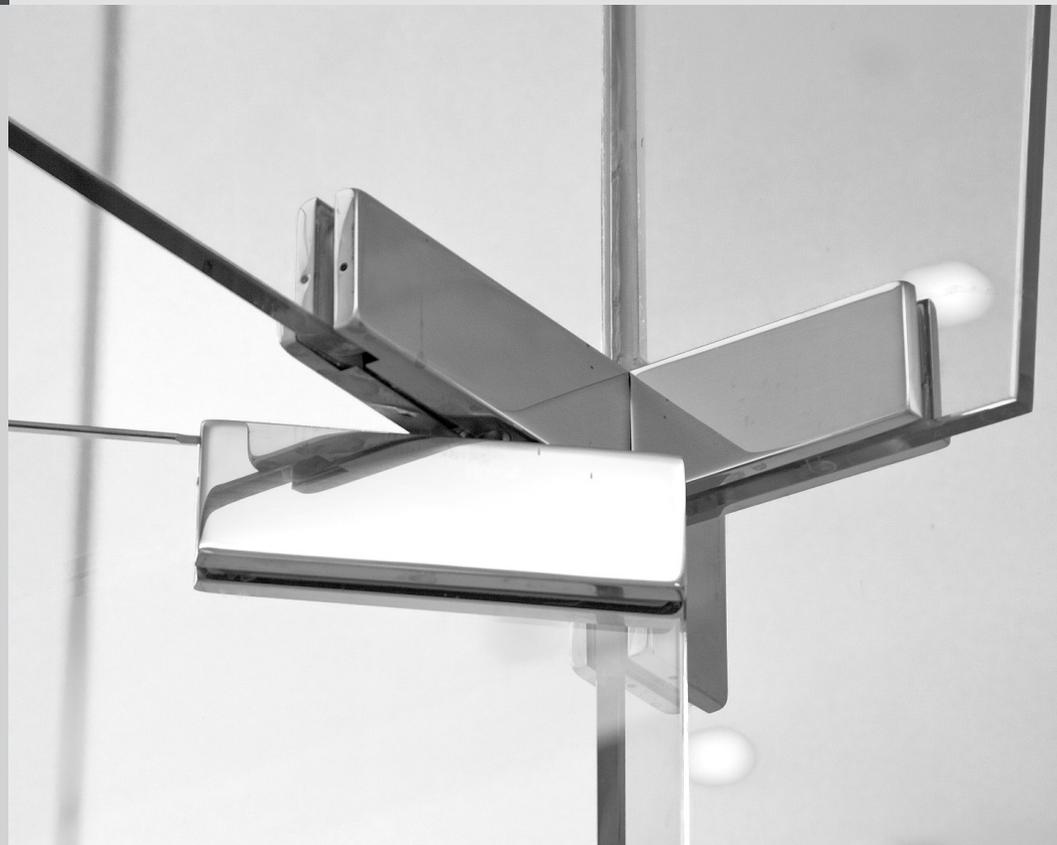


Universal & EA patch fittings

for tempered glass
assemblies



Universal & EA patch fittings

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Patch fittings for tempered glass assemblies

dormakaba offers one of the most comprehensive ranges of patch fittings available today, providing tempered glass assemblies that are technically sound and visually attractive. This range gives the architect or designer a wide variety of creative options for expression with tempered glass—either internally or externally.

All dormakaba fittings are based on a modular system, consisting of a base unit, functional inserts, and clip-on covers in a wide range of finishes. Glass preparations are quick and easy.

Quality materials and thorough workmanship guarantee a long service life and a reflection of excellence for years to come.

In addition to standard patch fitting solutions, the dormakaba family may have additional products available to address unusual, curved, angled or other application challenges. Please contact our Customer Service or Technical Service teams for assistance with application solutions not found in dormakaba USA literature or price lists. Additional cost and lead-time may be required.

Universal

With their broad range of options and configurations, Universal patch fittings are ideal for almost any design. Tempered glass assemblies are provided with fixed parts in a variety of arrangements—with corner fittings or fin fittings at different angles, and with double or single-action doors in single-leaf or double-leaf designs.



EA

EA patch fittings are characterized by their slim, neat shape and skillful Euro hinge design. This comprehensive range of fittings allows the transparent elegance of single-acting doors to reach their full potential—whether hung in frames or integrated into tempered glass openings.



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

Patch fitting selection chart

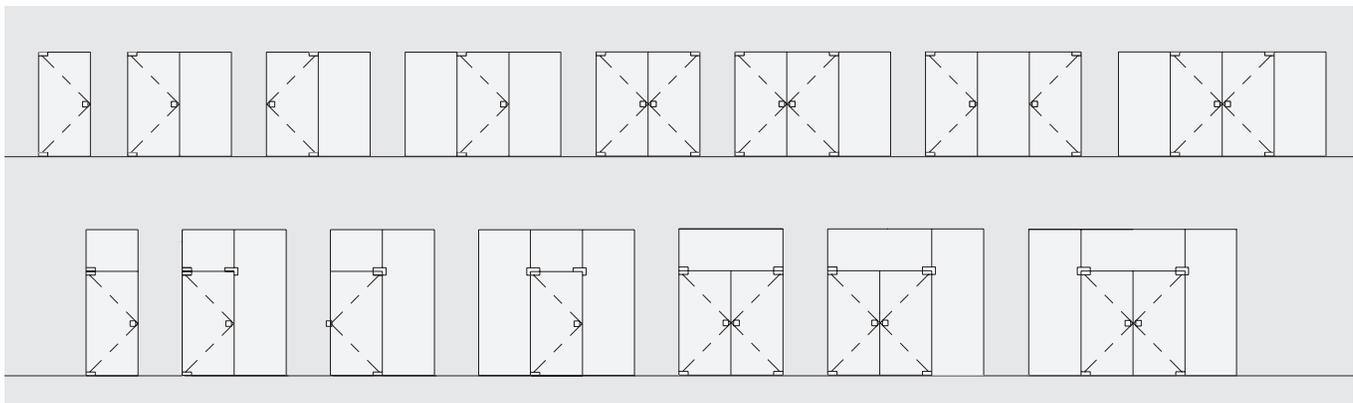
Applications & features	Universal	EA
For external assemblies	+++	+++
For internal assemblies	+++	+++
For standard tempered glass applications	+++	+++
For individually designed assemblies with corner fittings, fin fittings, etc.	+++	+
For double-acting doors	•	-
For single-acting doors	•	•
Glass thickness – in (mm)	3/8" & 1/2" (10 & 12) ¹	3/8" & 1/2" (10 & 12) ¹
Max. door weight – lb (kg)	275 lb (125 kg)	220 lb (100 kg)
Max. door width – in (mm)	48" (1219)	43" (1092)
Materials & finishes*		
Aluminum, silver anodized, EV1 (101)	•	◦
Similar to satin stainless (107)	-	◦
Aluminum, dark bronze anodized (108)	•	-
Black anodized (109)	•	-
Aluminum, EV1 (114)	-	-
Special anodizing (199)	◦	◦
Special clad plated (299)	-	-
Brass, polished (503)	◦	◦ ²
Satin brass w/o lacquer (599)	◦	-
Satin bronze no lacquer (600)	-	-
Polished bronze w/o lacquer (601)	-	-
Stainless steel, satin (700)	•	-
Stainless steel, polish (701)	•	-
Special paint or powder coating (999)	◦ ²	◦

- +++ Suitable
- + Partially Suitable
- Standard
- Optional
- Not available
- ¹ Under certain circumstances also 5/8" (15) and 3/4" (19) glass thickness
- ² Available upon request

NOTE:
All measurements are shown in inches followed by (millimeters); for example: 3/8" (10).

*Not all finishes are available with all products.

Standard assembly types



Universal

... as the name says.

With their broad range of options and configurations, Universal patch fittings are ideal for almost any design. Tempered glass assemblies are provided with fixed parts in a variety of arrangements—with corner fittings or fin fittings at different angles, and with double or single-acting doors in single-leaf or double-leaf designs.

Easy glass preparation, secure mounting

dormakaba understands the special properties of glass as a building material, designing fittings that require only minimal glass preparation—a quick and easy cut-out with additional holes. Careful consideration and positive measures have been taken to create the maximum clamping surface with optimum clamping efficiency.

Suitable for common monolithic glass thicknesses

Universal fittings are available for 3/8" (10) through 3/4" (19) for most fittings.

Reliability built in

Quality materials and thorough workmanship mean that Universal fittings have the features necessary to meet the most demanding specifications. The fittings are designed to withstand large and heavy doors up to a maximum weight of 275 lb (125 kg). Rails are available for heavier doors (330 lb [150 kg] maximum), wider doors (48" [1219] maximum), and high traffic doors.

Short delivery times

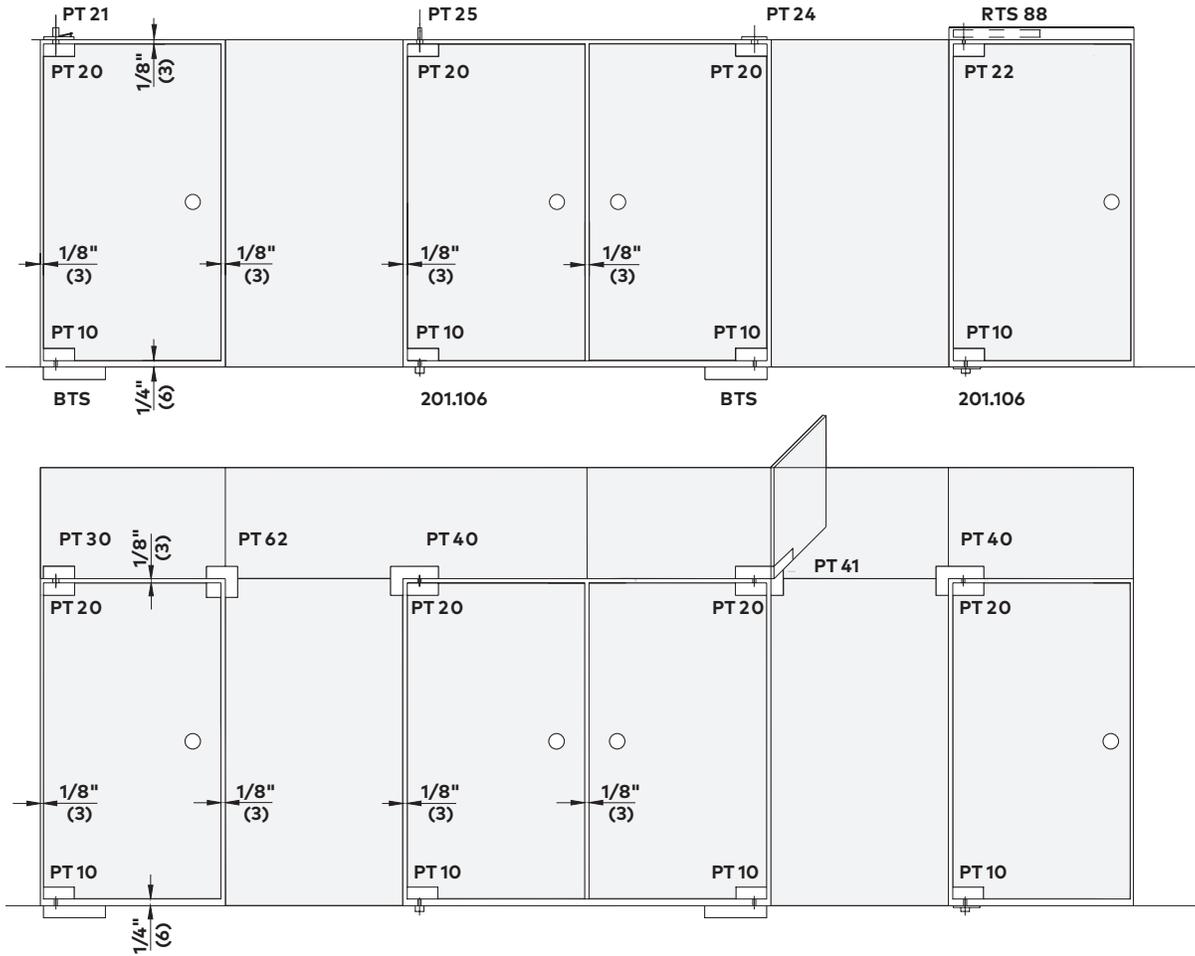
Most common patch fittings and finishes are available quickly.



Type selection

Tempered glass assemblies with fittings 2-3/4" (70) pivot point.

For all standard assembly types, see page 5.



- BTS** Floor closer
- PT** Center hung door fittings
- RTS** Header/Transom closer (see RTS Series Technical Information for details)

Max. door weight
275 lb (125 kg)

Max. door width
48" (1219)

For door weights up to 330 lb (150 kg) and widths up to 48" (1219), DRS door rails should be used.

Torque for mounting screws

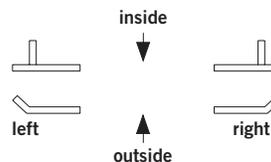
Screws M 6
7.5 lb-ft / 10 Nm (4)*

Screws M 6
11 lb-ft / 15 Nm (5)*

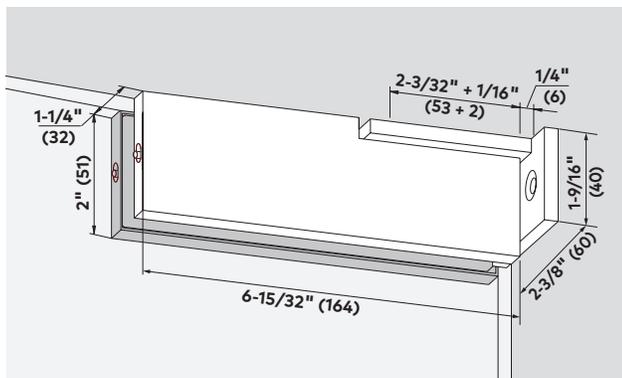
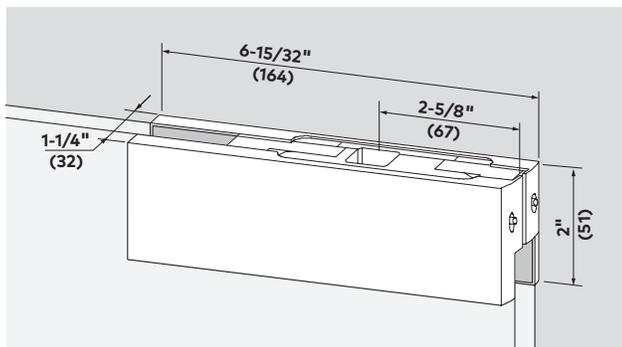
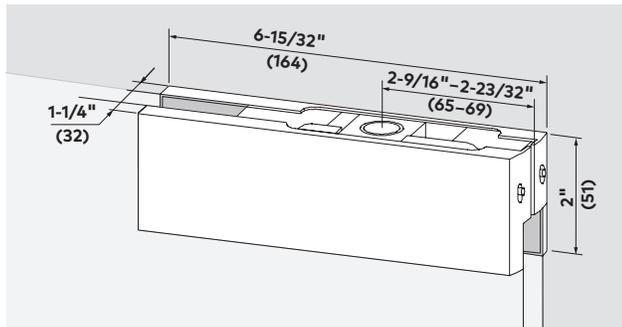
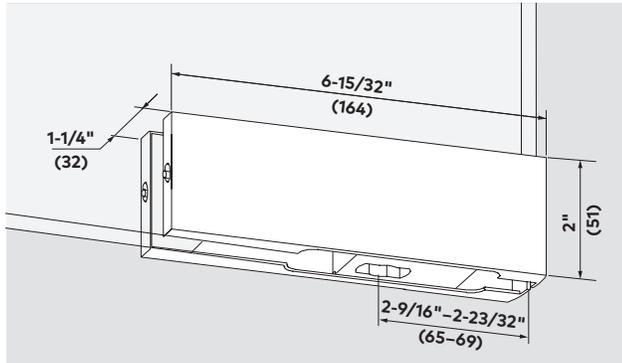
Screws M 8
15 lb-ft / 20 Nm (5)*

*Allan key size

NOTE:
If angle fittings or fin fittings are used, "Left" or "Right" has to be determined by view from outside and above.

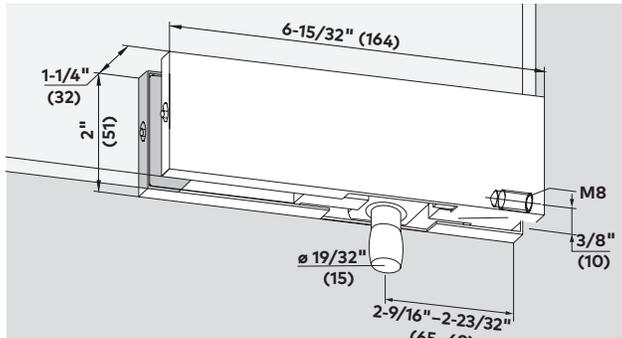


Universal patch fittings

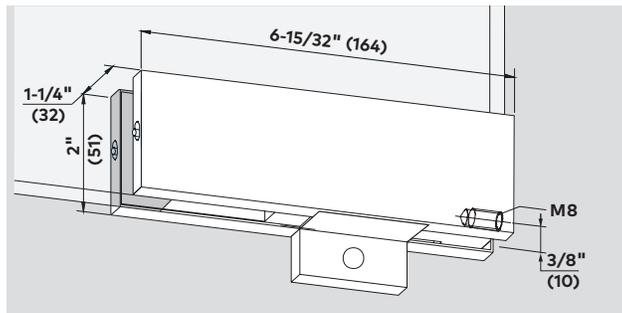


Product description	Glass thickness	Ref. no.
PT 10 bottom patch with insert for floor closer, pivot, or round pivot Ø 9/16" (14)	3/8" (10)	833.300
	1/2" (12)	833.100
	5/8" (15)	833.301
	3/4" (19)	833.101
Pivot location 2-3/4" (70)		
Weight in lb (kg) Aluminum 1.241 (0.564) Brass 1.496 (0.680) Stainless steel 1.456 (0.662)		
PT 20 top patch with safety insert for top pivot Ø 19/32" (15) used with PT21	3/8" (10)	833.310
	1/2" (12)	833.110
	5/8" (15)	833.311
	3/4" (19)	833.111
Pivot location 2-3/4" (70)		
Weight in lb (kg) Aluminum 1.049 (0.477) Brass 1.305 (0.593) Stainless steel 1.265 (0.575)		
PT 22 top patch with insert for RTS concealed overhead closer	3/8" (10)	833.312
	1/2" (12)	833.112
	5/8" (15)	833.313
	3/4" (19)	833.113
Pivot location 2-3/4" (70)		
Weight in lb (kg) Aluminum 1.272 (0.578) Brass 1.529 (0.695) Stainless steel 1.489 (0.677)		
PT 29 top patch with pivot fixing plate, wall mount	3/8" (10)	833.314
	1/2" (12)	833.109
	5/8" (15)	N/A
	3/4" (19)	N/A
Pivot location 2-3/16" (55)		
Weight in lb (kg) Aluminum 1.197 (0.544) Brass 1.522 (0.692) Stainless steel 1.483 (0.674)		
		Max. door width 39-3/8" (1000)
		Max. door weight 154 lb (70 kg)

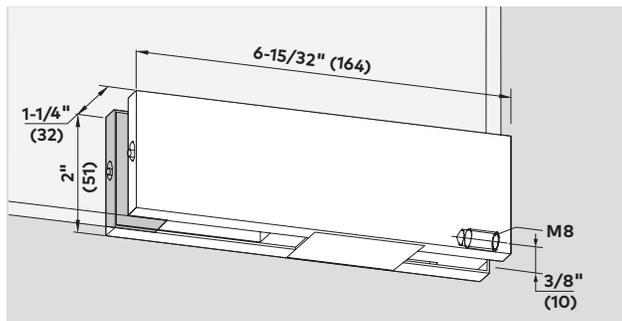
Universal patch fittings



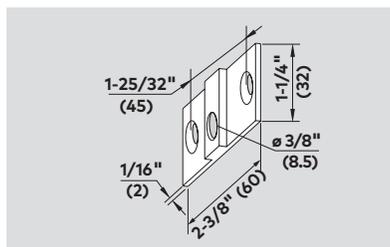
Product description	Glass thickness	Ref. no.
PT 30 transom patch	3/8" (10)	833.330
with pivot \varnothing 19/32" (15),	1/2" (12)	833.131
with M8 tapped hole at side	5/8" (15)	833.321
	3/4" (19)	833.121
Weight in lb (kg)		
Aluminum	1.162 (0.528)	
Brass	1.439 (0.654)	
Stainless steel	1.399 (0.636)	



PT 30 transom patch	3/8" (10)	833.332
with stop insert, with M8	1/2" (12)	833.132
tapped hole at side	5/8" (15)	833.333
	3/4" (19)	833.133
Weight in lb (kg)		
Aluminum	1.162 (0.528)	
Brass	1.439 (0.654)	
Stainless steel	1.276 (0.580)	

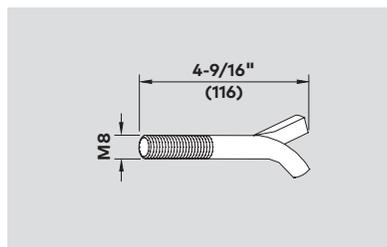


PT 30 transom patch	3/8" (10)	833.334
with blank insert, with M8	1/2" (12)	833.134
tapped hole at side	5/8" (15)	833.335
	3/4" (19)	833.135
Weight in lb (kg)		
Aluminum	1.142 (0.519)	
Brass	1.419 (0.645)	
Stainless steel	1.256 (0.571)	



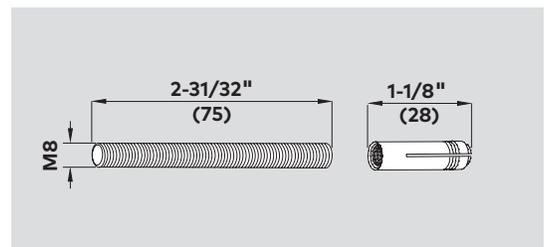
Fixing plate
for transom patch PT 30
Ref. no. **903.128**

Weight in lb (kg)
Aluminum 0.035 (0.016)
Brass 0.084 (0.038)
Stainless steel not available,
Satin chrome on brass supplied.



Wall anchor
with thread M 8 for
transom patch PT 30

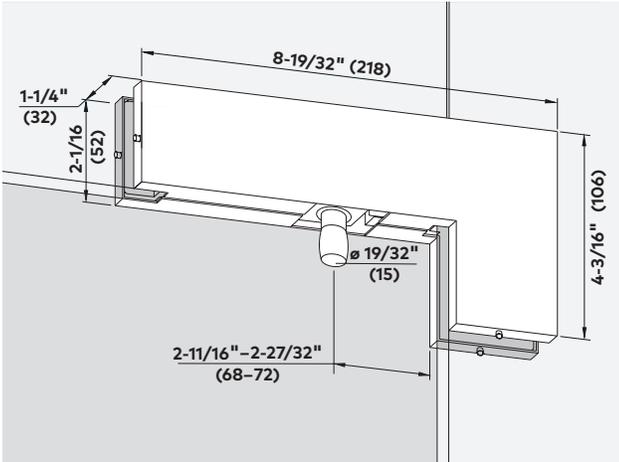
Ref. No. **901.133**
Weight in lb (kg)
0.088 (0.040)



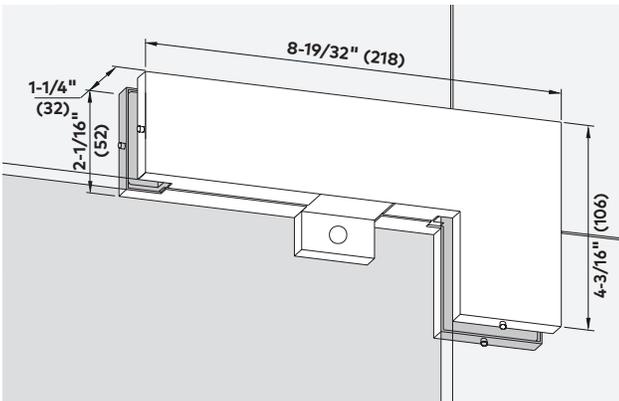
Threaded rod
M 8 with plug for transom
patch PT 30

Ref. No. **901.134**
Weight in lb (kg)
0.070 (0.032)

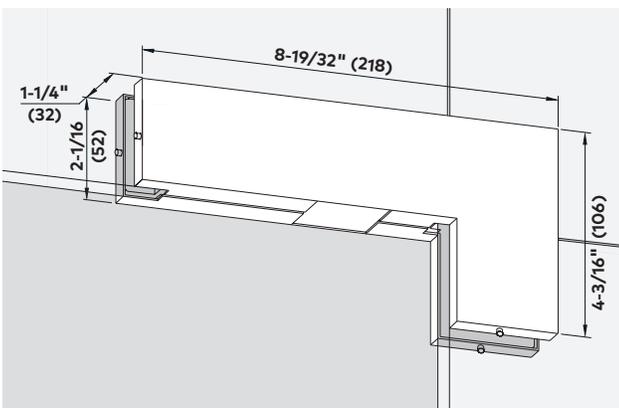
Universal connectors



Product description	Glass thickness	Ref. no.
PT 40 transom sidelite patch with pivot $\varnothing 19/32$ (15)	3/8" (10)	833.343
	1/2" (12)	833.143
	5/8" (15)	833.344
Pivot location	3/4" (19)	833.144
Weight in lb (kg)		
Aluminum	2.955 (0.755)	
Brass	2.108 (0.958)	
Stainless steel	2.061 (0.937)	



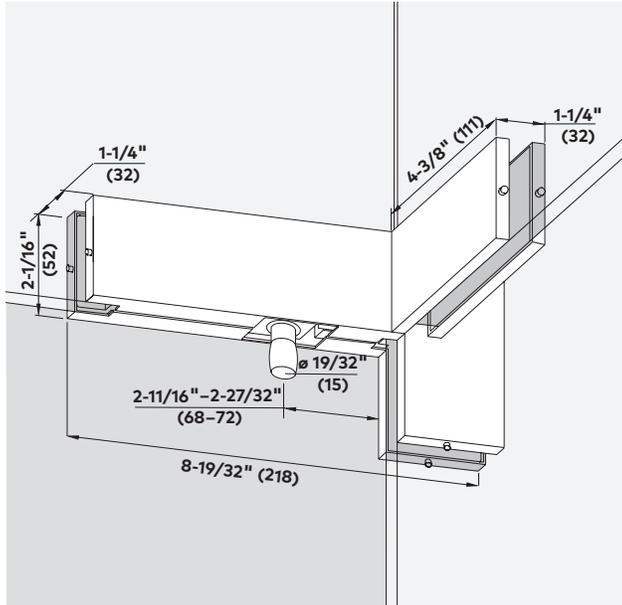
PT 40 transom sidelite patch with stop insert	3/8" (10)	833.336
	1/2" (12)	833.136
	5/8" (15)	833.337
Weight in lb (kg)	3/4" (19)	833.137
Weight in lb (kg)		
Aluminum	1.661 (0.755)	
Brass	2.108 (0.958)	
Stainless steel	2.061 (0.937)	



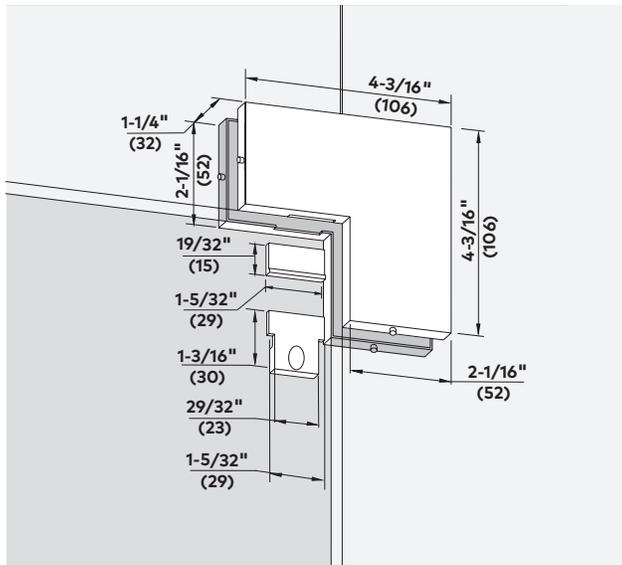
PT 40 transom sidelite patch with blank insert	3/8" (10)	833.338
	1/2" (12)	833.138
	5/8" (15)	833.339
Weight in lb (kg)	3/4" (19)	833.139
Weight in lb (kg)		
Aluminum	1.641 (0.746)	
Brass	2.088 (0.949)	
Stainless steel	2.042 (0.928)	

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

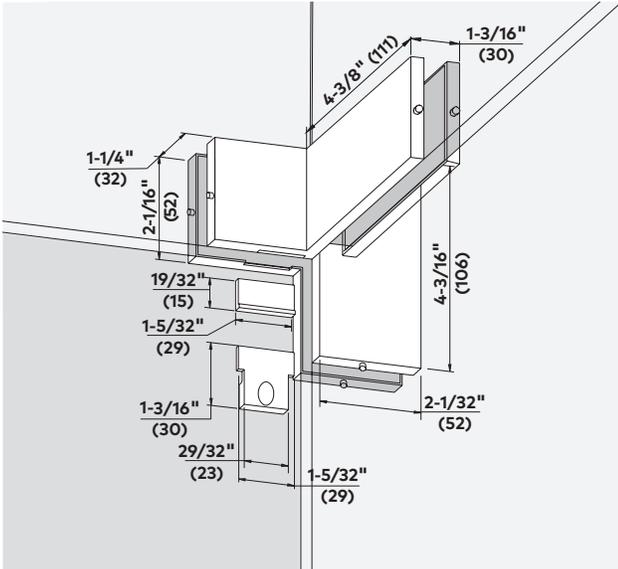
Universal connectors



Product description	Glass thickness	Ref. no.	
		LH	RH
PT 41 transom sidelite patch with fin fitting inside with pivot \varnothing 19/32 (15) (shown)	3/8" (10)	833.355	833.354
	1/2" (12)	833.155	833.154
	5/8" (15)	833.356	833.357
	3/4" (19)	833.156	833.157
PT 41 transom sidelite patch with fin fitting inside with stop insert (not shown)	3/8" (10)	833.391	833.393
	1/2" (12)	833.191	833.193
	5/8" (15)	833.392	833.394
	3/4" (19)	833.192	833.194
PT 41 transom sidelite patch with fin fitting inside with blank insert (not shown)	3/8" (10)	833.395	833.397
	1/2" (12)	833.195	833.197
	5/8" (15)	833.396	833.398
	3/4" (19)	833.196	833.198
Pivot location 2-3/4" (70)			
Weight in lb (kg)			
Aluminum	2.094	(0.952)	
Brass	2.708	(1.231)	
Stainless steel	2.633	(1.197)	



PT 60/61 transom sidelite connector for double or single acting doors, includes 1 stop and 2 blank inserts	3/8" (10)	803.150
	1/2" (12)	803.150
	5/8" (15)	803.452
	3/4" (19)	803.452
Specify glass thickness.		
Weight in lb (kg)		
Aluminum	0.755	(0.343)
Brass	1.014	(0.461)
Stainless steel	0.959	(0.436)



PT 60/61 transom sidelite connector with fin fitting inside

for double or single acting doors, includes 1 stop and 2 blank inserts

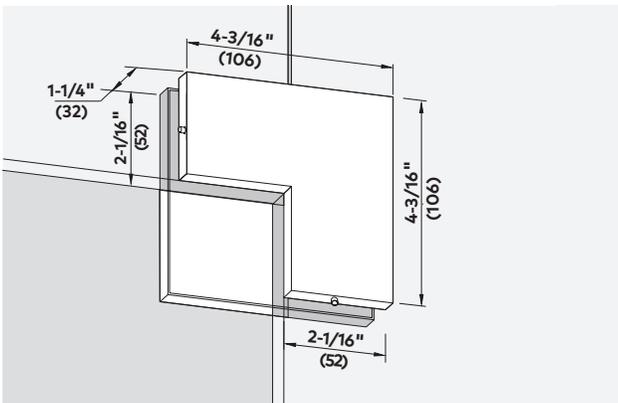
Weight in lb (kg)

Aluminum 0.986 (0.448)
 Brass 1.415 (0.643)
 Stainless steel 1.320 (0.600)

Left hand fin (illustration shows left hand) / Right hand fin. Left or right hand is determined by view from outside.

Product description	Glass thickness	Ref. no.	
		LH	RH

PT 60/61 transom sidelite connector with fin fitting inside	3/8" (10)	803.158	803.157
	1/2" (12)	803.158	803.157
	5/8" (15)	N/A	N/A
	3/4" (19)	N/A	N/A



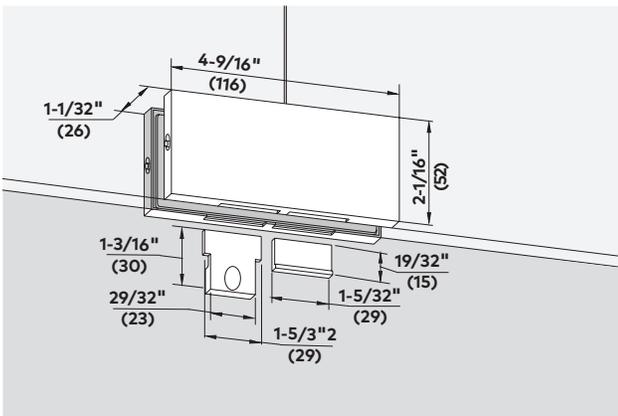
PT 62 transom sidelite connector with fixed stop

connector with fixed stop

Weight in lb (kg)

Aluminum 1.045 (0.475)
 Brass 1.507 (0.685)
 Stainless steel 1.474 (0.670)

PT 62 transom sidelite connector with fixed stop	3/8" (10)	803.173	
	1/2" (12)	803.173	
	5/8" (15)	N/A	
	3/4" (19)	N/A	



PT 70 transom connector

includes 2 stop and 2 blank inserts

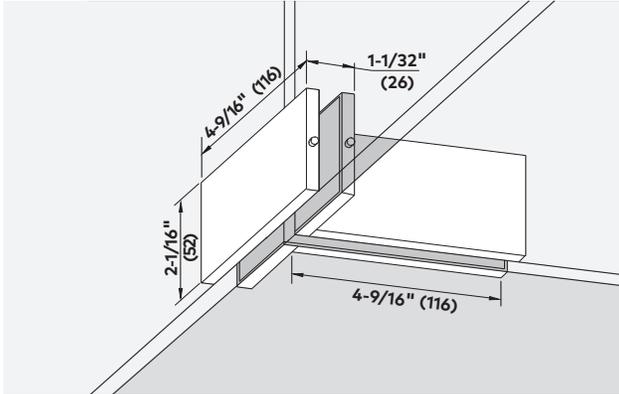
Specify glass thickness.

Weight in lb (kg)

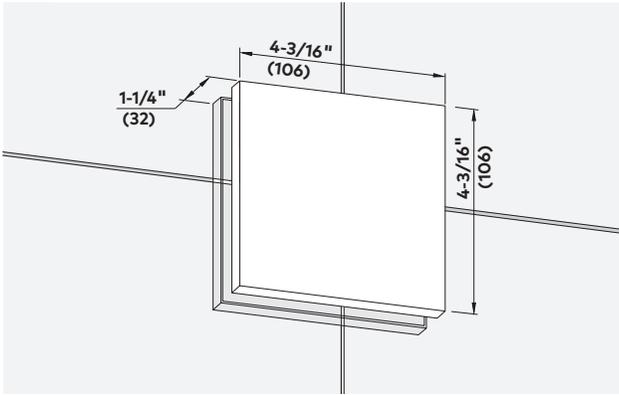
Aluminum 0.598 (0.272)
 Brass 0.766 (0.348)
 Stainless steel 0.737 (0.335)

PT 70 transom connector	3/8" (10)	801.150	
	1/2" (12)	801.150	
	5/8" (15)	801.158	
	3/4" (19)	801.158	

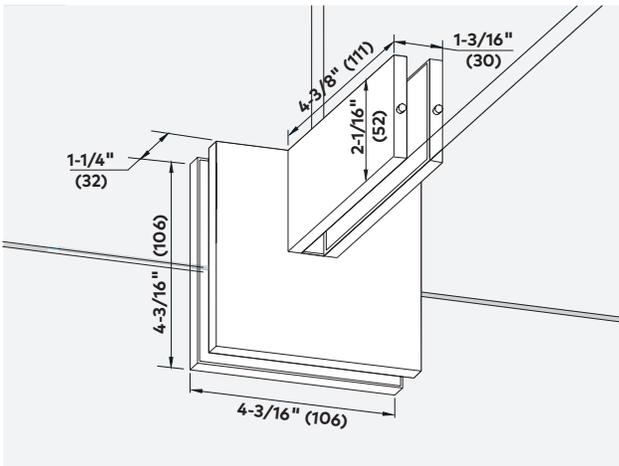
Universal connectors



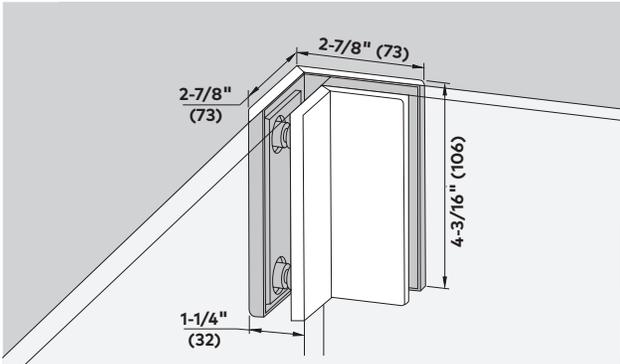
Product description	Glass thickness	Ref. no.
PT 71 transom connector with fin fitting	3/8" (10)	801.161
	1/2" (12)	801.161
	5/8" (15)	N/A
	3/4" (19)	N/A
Weight in lb (kg)		
Aluminum	1.008 (0.458)	
Brass	1.375 (0.625)	
Stainless steel	1.338 (0.608)	



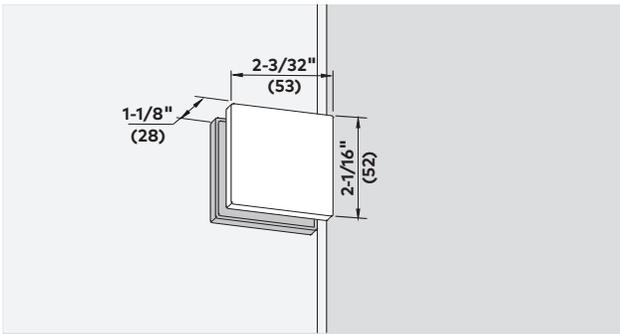
PT 80 connector	3/8" (10)	803.170
Specify glass thickness	1/2" (12)	803.170
	5/8" (15)	803.472
	3/4" (19)	803.472
Weight in lb (kg)		
Aluminum	Brass	
Stainless steel		
Weight in lb (kg)		
Aluminum	1.221 (0.555)	
Brass	1.760 (0.800)	
Stainless steel	1.716 (0.780)	



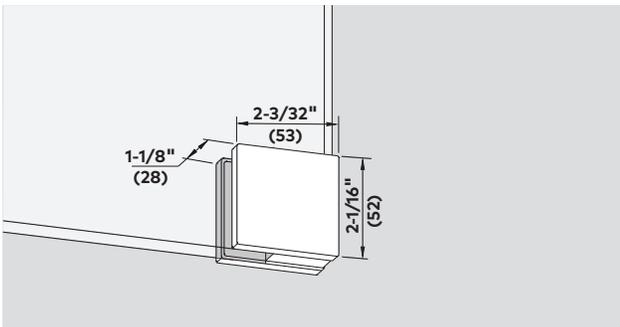
PT 81 connector with fin fitting	3/8" (10)	803.175
	1/2" (12)	803.175
	5/8" (15)	N/A
	3/4" (19)	N/A
Weight in lb (kg)		
Aluminum	1.725 (0.784)	
Brass	2.372 (1.078)	
Stainless steel	2.343 (1.065)	



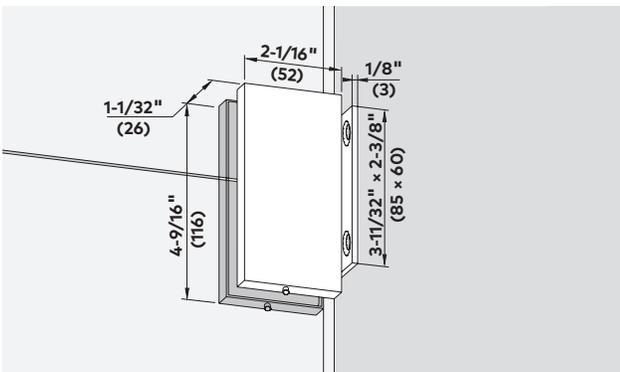
Product description	Glass thickness	Ref. no.
PT 80-90 connector angled 90°	3/8" (10)	803.171
	1/2" (12)	803.171
	5/8" (15)	N/A
Weight in lb (kg)	3/4" (19)	N/A
	Aluminum	1.027 (0.467)
	Brass	1.232 (0.560)
	Stainless steel	1.188 (0.540)



PT 90 screw on fitting	3/8" (10)	807.021
	1/2" (12)	807.021
	Specify glass thickness.	
	5/8" (15)	807.210
Weight in lb (kg)	3/4" (19)	807.210
	Aluminum	0.264 (0.120)
	Brass	0.352 (0.160)
	Stainless steel	0.341 (0.155)



PT 91 corner fitting	3/8" (10)	807.023
	1/2" (12)	807.023
	5/8" (15)	807.211
Weight in lb (kg)	3/4" (19)	807.211
	Aluminum	0.264 (0.120)
	Brass	0.352 (0.160)
	Stainless steel	0.341 (0.155)



Side connector with wall mounting plate	3/8" (10)	801.153
	1/2" (12)	801.153
	5/8" (15)	N/A
Weight in lb (kg)	3/4" (19)	N/A
	Aluminum	0.689 (0.313)
	Brass	0.856 (0.389)
	Stainless steel	0.827 (0.376)

Universal glass preparation details

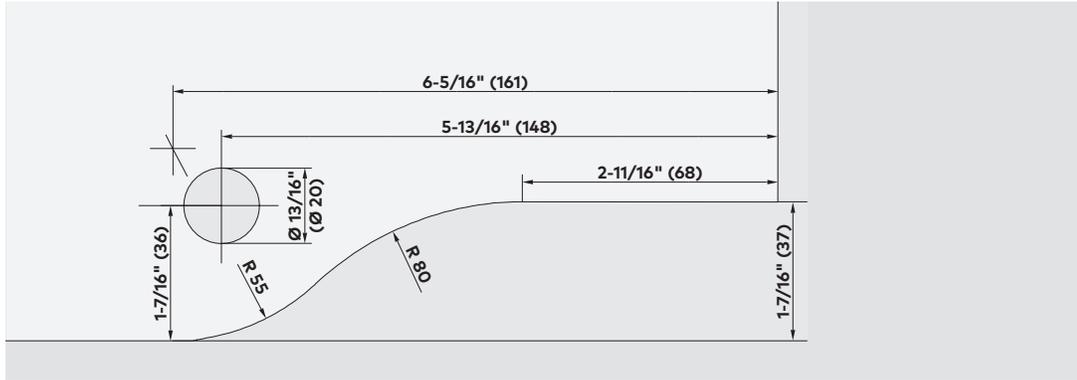
Note:

All glass preparation detail drawings are

Scale 1 : 2

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

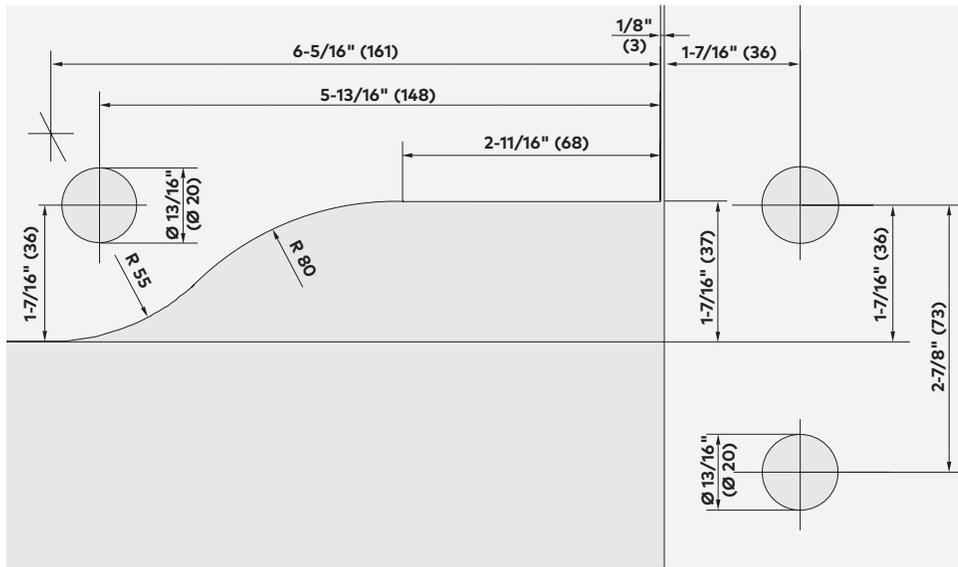
Top and bottom patches, transom patch



Ref. no.	833.300	833.330	833.110	833.131	833.311	833.335	833.121
	833.310	833.332	833.112	833.132	833.313	833.101	833.133
	833.312	833.334	833.109	833.134	833.321	833.111	833.135
	803.114	833.100		833.301	833.333	833.113	

PT 40

Patch for transom and sidelite



Ref. no.	833.343	833.133	833.336
	833.333	833.135	833.144
	833.335	833.344	833.134
	833.143	833.334	833.136

Note:

All glass preparation detail drawings are

Scale 1 : 2

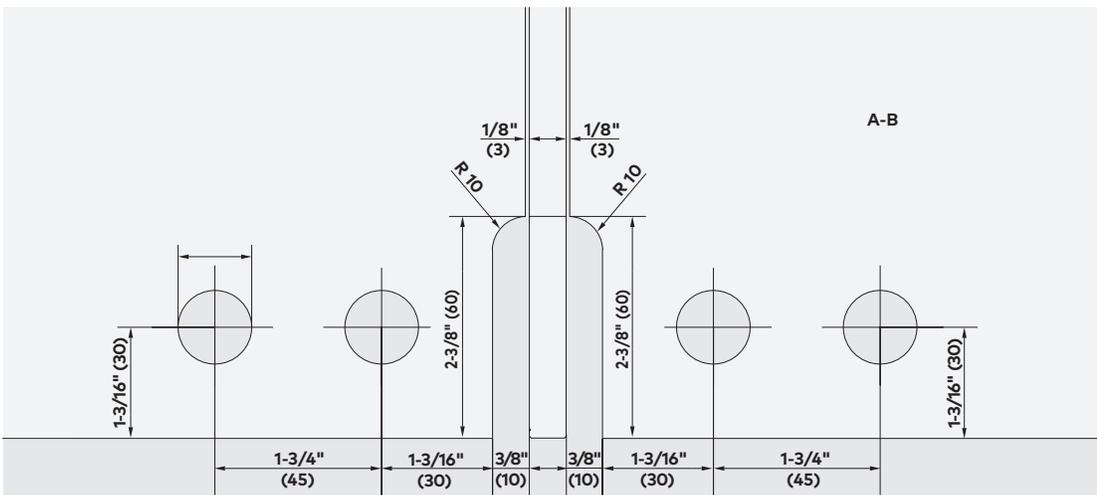
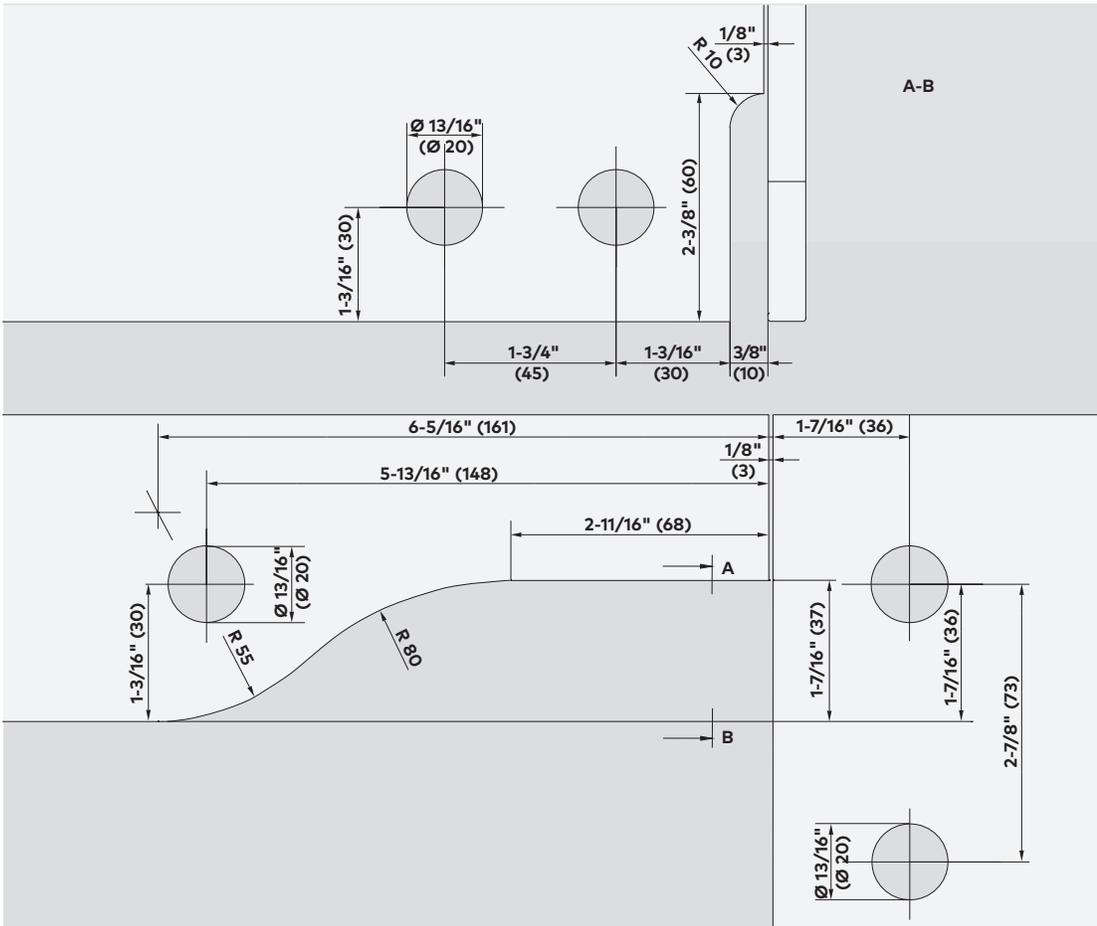
PT 41

Patch for transom and sidelite with fin fitting inside

See **Ref. No.** below.

Ref. No.

- 833.355/833.354
- 833.155/833.154
- 833.356/833.357
- 833.156/833.157
- 833.391/833.393
- 833.191/833.193
- 833.392/833.394
- 833.192/833.194
- 833.395/833.397
- 833.195/833.197
- 833.396/833.398
- 833.196/833.198



PT 41

Patch for transom and sidelite with fin fitting on both sides

Universal glass preparation details

PT 60/61, PT 62

Connectors for transoms and sidelites

Ref. No. 803.150/803.452

and connector with stop

Ref. No. 803.173

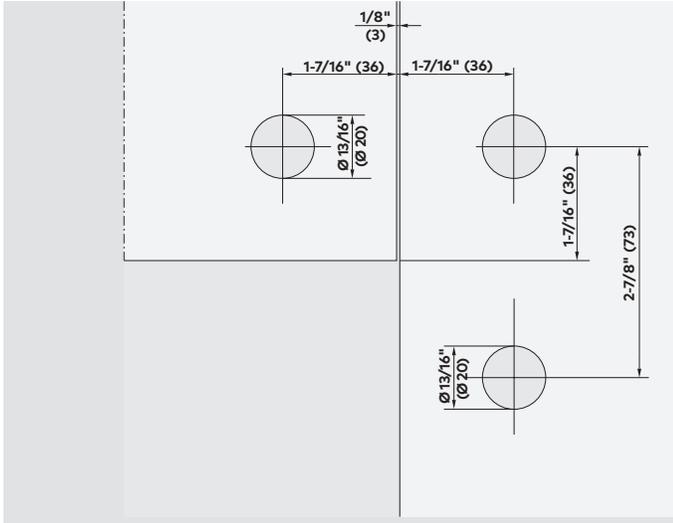
Ref. No. 803.157/803.158

Glass preparation for fin fitting see PT 81 (page ??)

Note:

All glass preparation detail drawings are

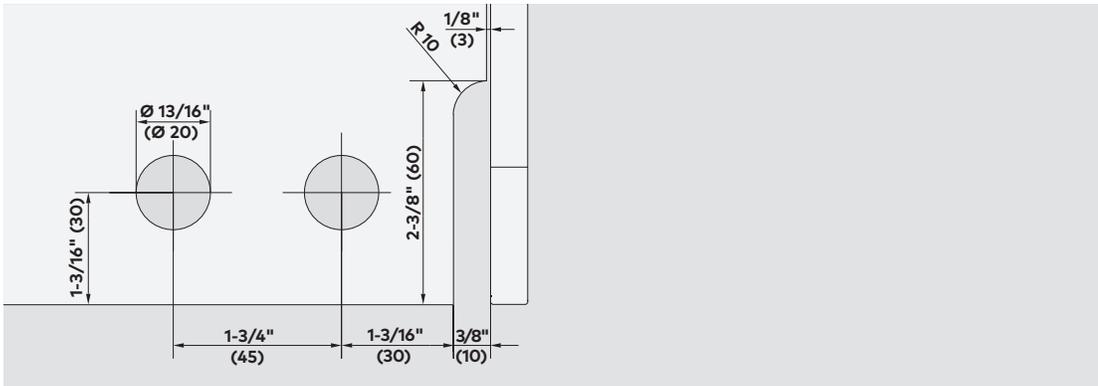
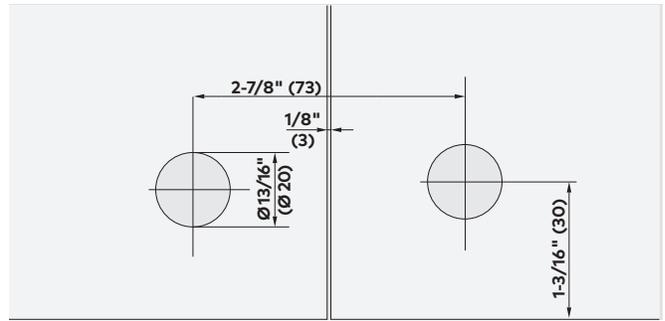
Scale 1 : 2



PT 70

Transom connector

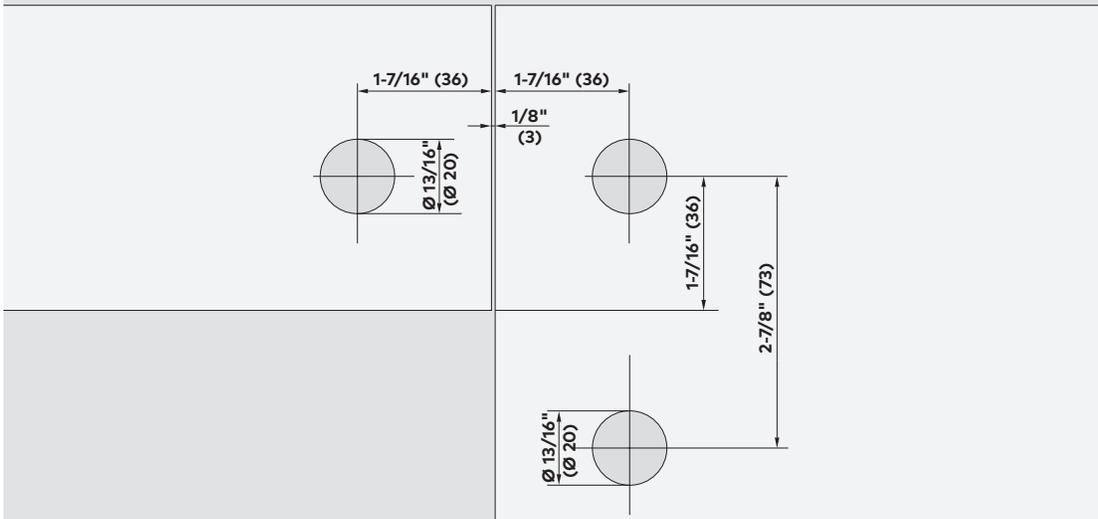
Ref. No. 801.150/801.158



PT 61

Single transom connector

with fin fitting inside

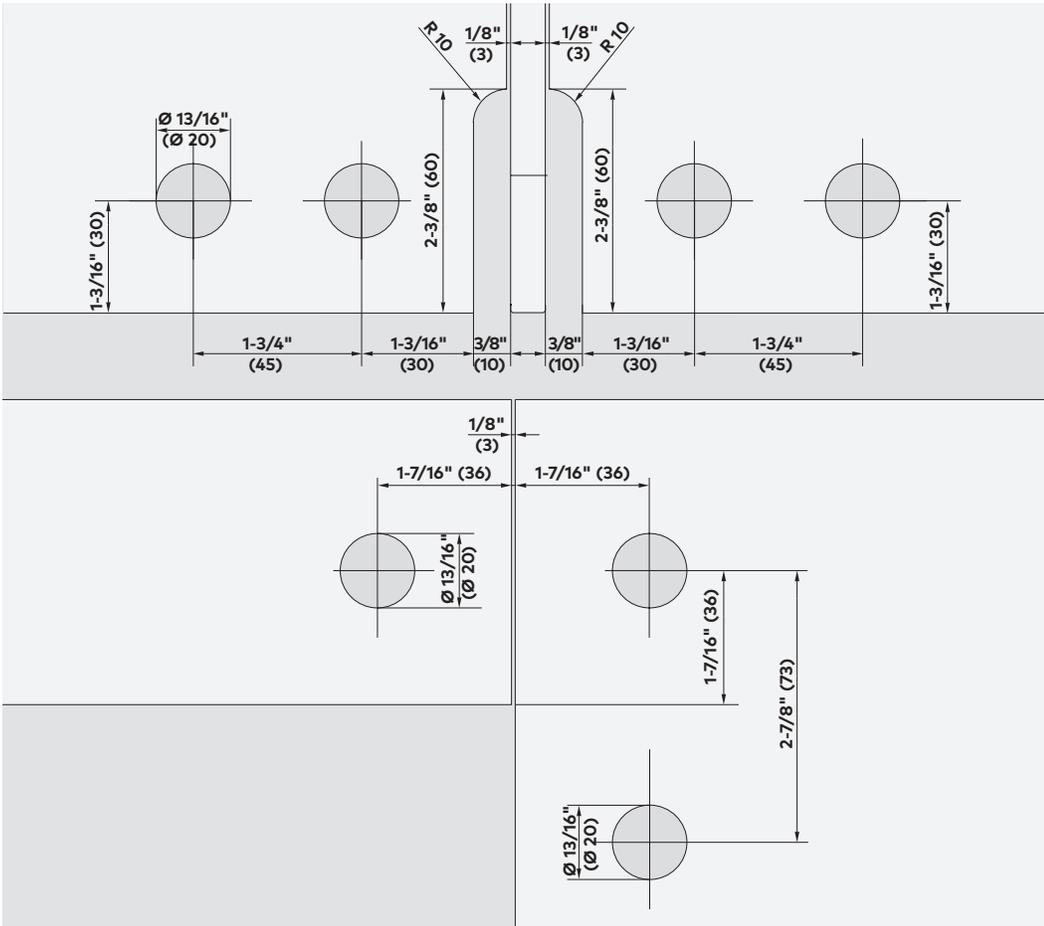


PT 61

Double transom connectors with fin fitting on both sides

Note:

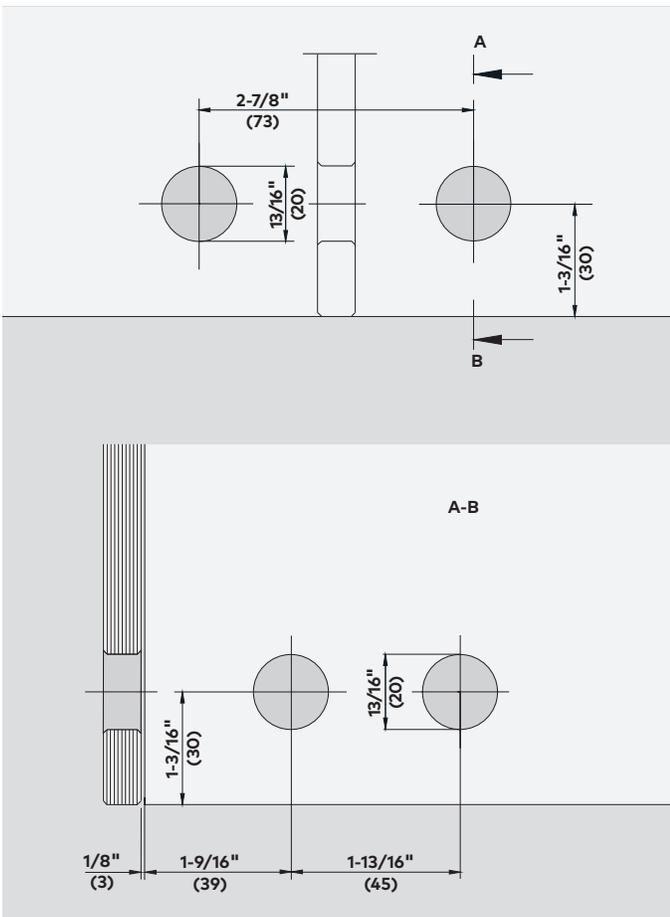
All glass preparation detail drawings are Scale 1 : 2



PT 71

Transom connector with fin fitting

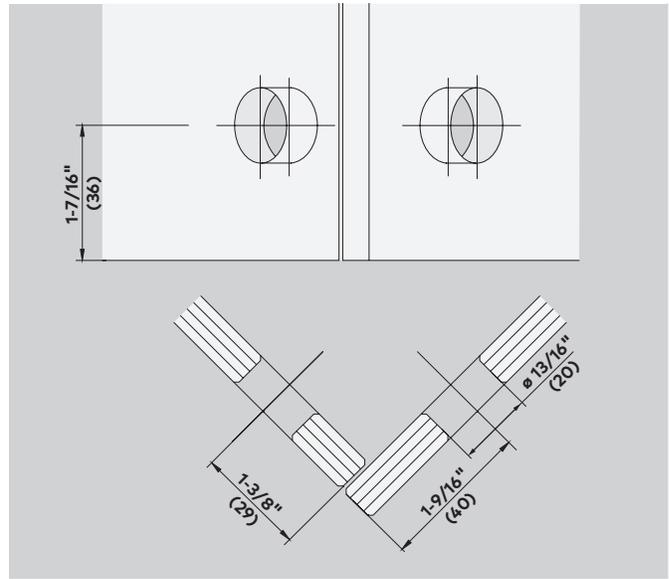
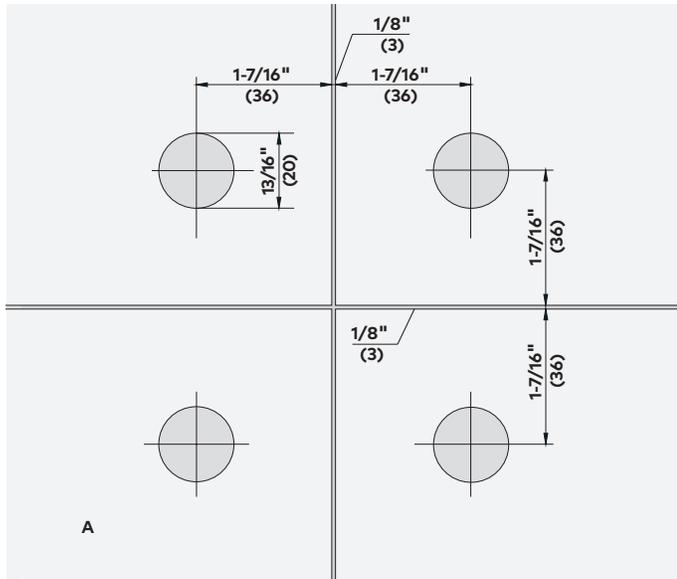
Ref. No. 801.161



Universal glass preparation details

PT 80-90 short

Angled connector, 90° shortened
Ref. No. 803.470



PT 80

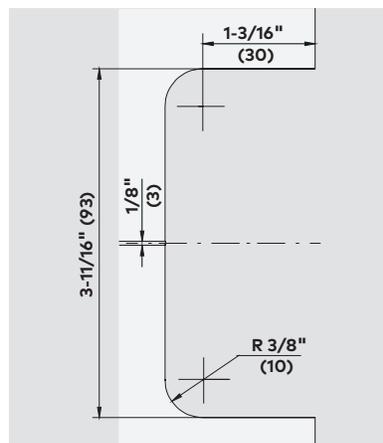
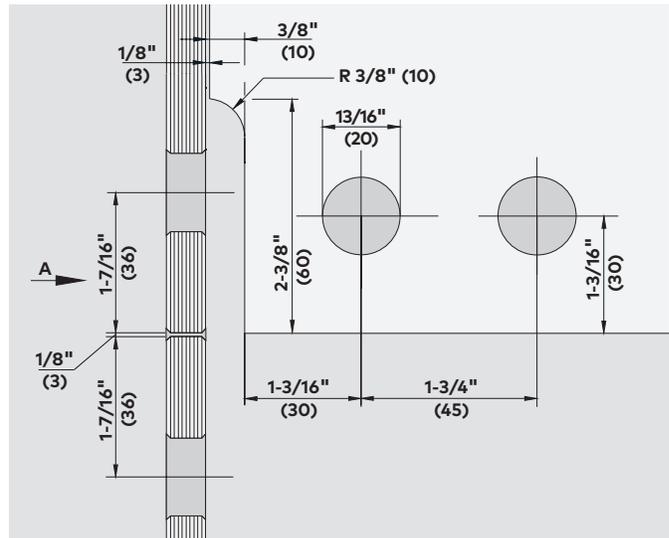
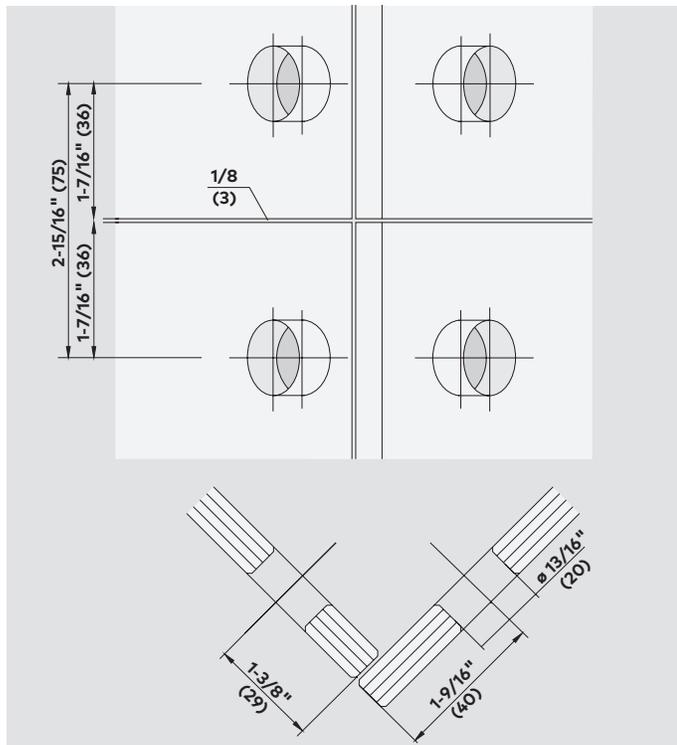
Connector
Ref. No. 803.170/803.472

PT 81

Connector with fin fitting
Ref. No. 803.175

PT 80 - 90

Angled connector, 90°
Ref. No. 803.171



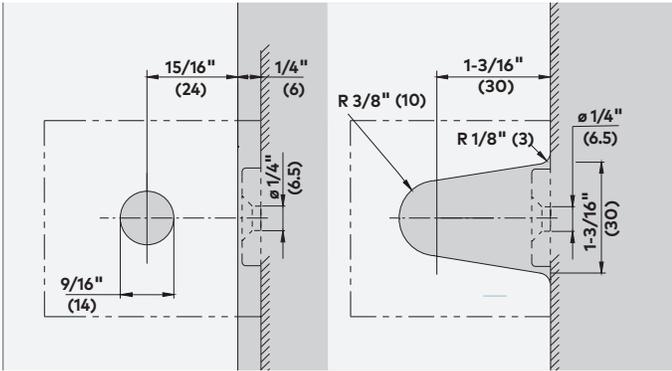
Side connector
with fixing plate
Ref. No. 801.153

Note:
All glass preparation detail drawings are
Scale 1 : 2

PT 90

Screw on fitting

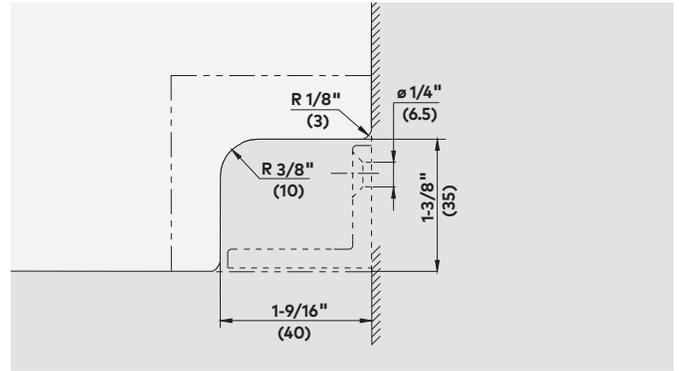
Ref. No. 807.021/807.210



PT 91

Corner fitting

Ref. No. 807.023/807.211

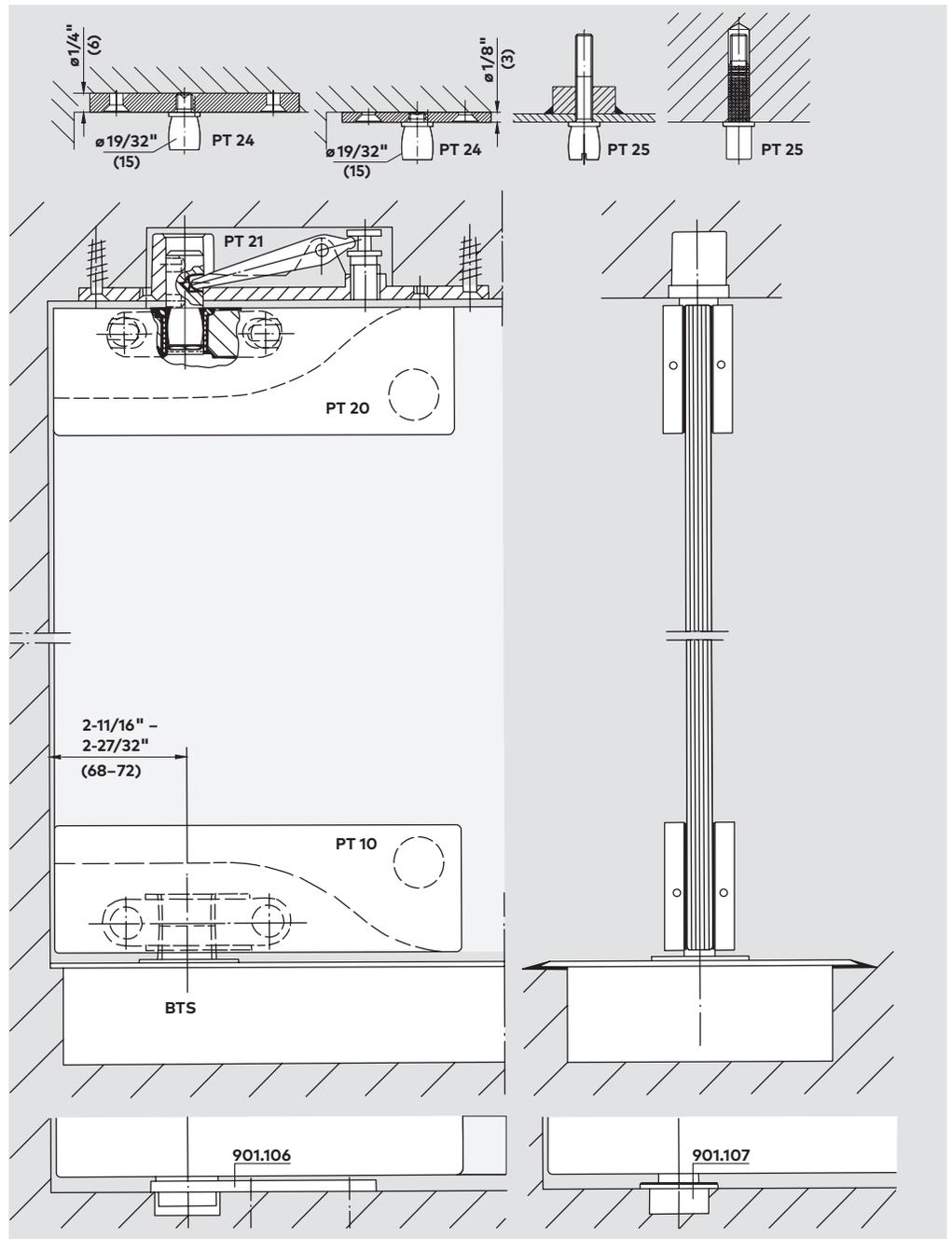


Universal construction

Mounting of pivots and top pivot pins

Mounting of top pivots and top pivot pins for PT 20

Mounting of floor closers or pivot bearings for PT 10



EA patch fittings

An expansive range with slimline bodies for offset hung doors.



EA patch fittings are characterized by their slim, neat shape and skillful European hinge design. This comprehensive range of fittings allows the transparent elegance of single-action doors to reach their full potential—whether hung in frames or integrated into tempered glass openings.

Easy glass preparation, secure mounting

dormakaba understands the special properties of glass as a building material, designing fittings that require only minimal glass preparation—a quick and easy cut-out with additional holes. Careful consideration and positive measures have been taken to create the maximum clamping surface with optimum clamping efficiency.

Suitable for common glass thicknesses

EA patch fittings are available for 3/8" (10) and 1/2" (12) glass thicknesses.

Reliability built in

Quality materials and thorough workmanship mean that EA patch fittings have the features necessary to meet the most demanding of specifications.

Matching range of locks

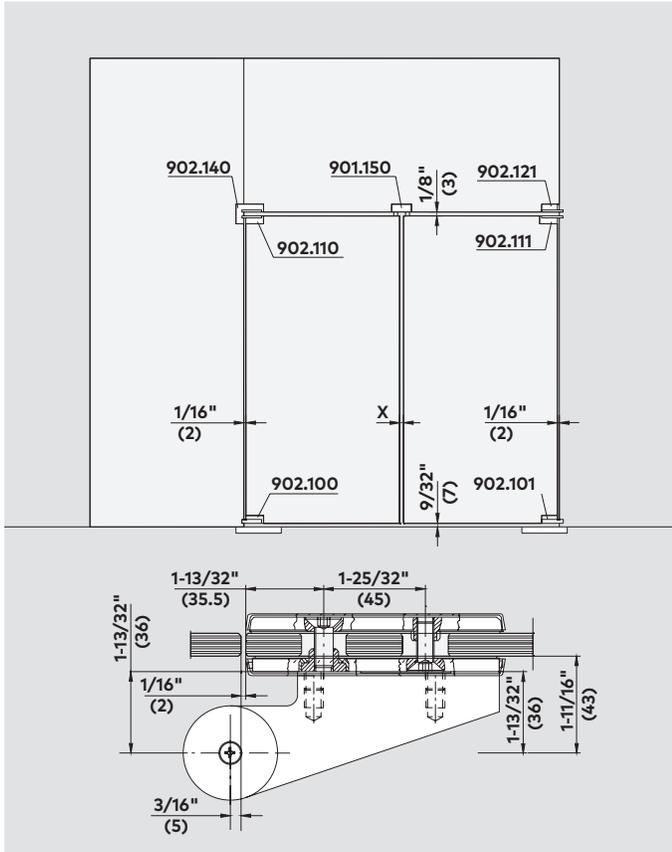
The EA range includes every type of accessory, and of course, a variety of locks and strike boxes in a matching design concept, giving the designer plenty of options to choose from. Contact Customer Service for more details.

EA corner patches are available in the following finishes:

- Aluminum, silver anodized EV1, (101)
- Similar to satin stainless steel (107)
- Aluminum, dark bronze anodized DB (108)
- Black anodized (109)
- Polished chrome plated (501)
- Brass, polished (503)



Offset hung doors in tempered glass assemblies



Max. door weight

220 lb (100 kg)

Max. door width

43" (1100)

For door weights up to 220 lb (100 kg) and widths up to 47" (1200), DRS door rails should be used.

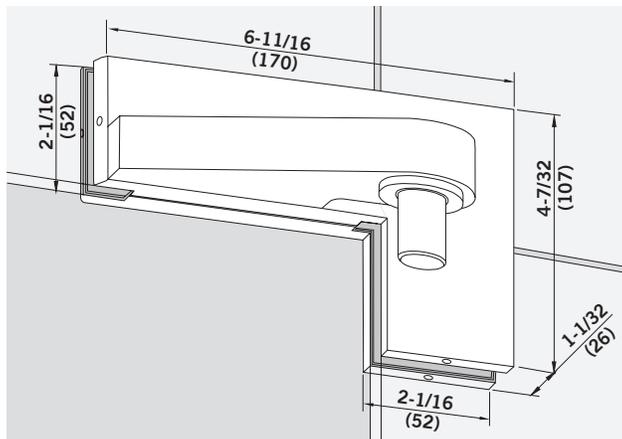
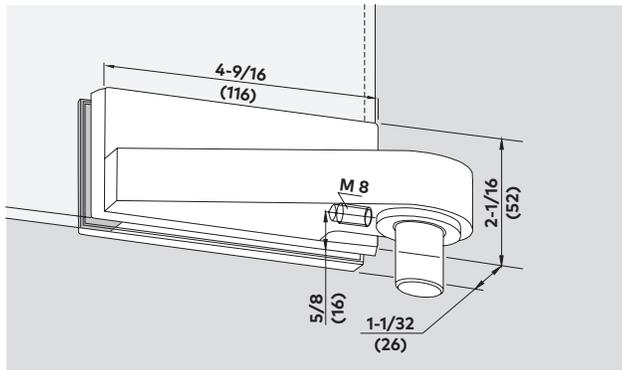
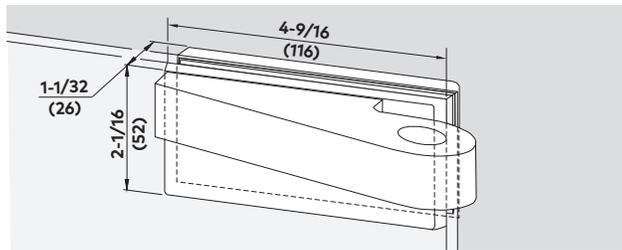
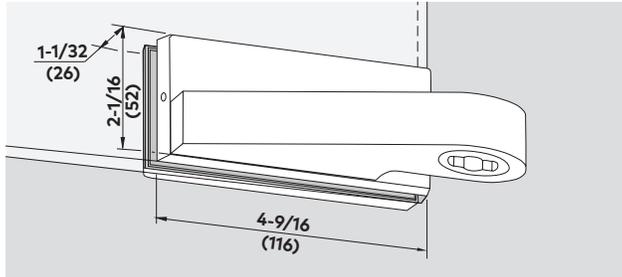
EA patch fittings for offset hung doors in tempered glass assemblies have a $1-13/32''$ (36) offset = $1-11/16''$ (43) from pivot point to glass surface.

Torque for fixing screws

Screws M 8

15 lb-ft / 20 Nm

EA patch fittings



Product description	Ref. no.
---------------------	----------

Bottom patch	*902.100 (LHR)
to suit dormakaba floor closer spindle, or round pivot	*902.101 (RHR)
Ø 9/16" (14)	

Weight in lb (kg)
 Aluminum 1.606 (0.730)
 Stainless steel 2.807 (1.276)

Top patch	*902.110 (LHR)
	*902.111 (RHR)

Weight in lb (kg)
 Aluminum 1.452 (0.660)
 Stainless steel 2.734 (1.243)

Transom patch	*902.120 (LHR)
bushing outside	*902.121 (RHR)

Ø 25/32" (20),
 pivot Ø 19/32" (15)

Weight in lb (kg)
 Aluminum 1.401 (0.637)
 Stainless steel 2.624 (1.193)

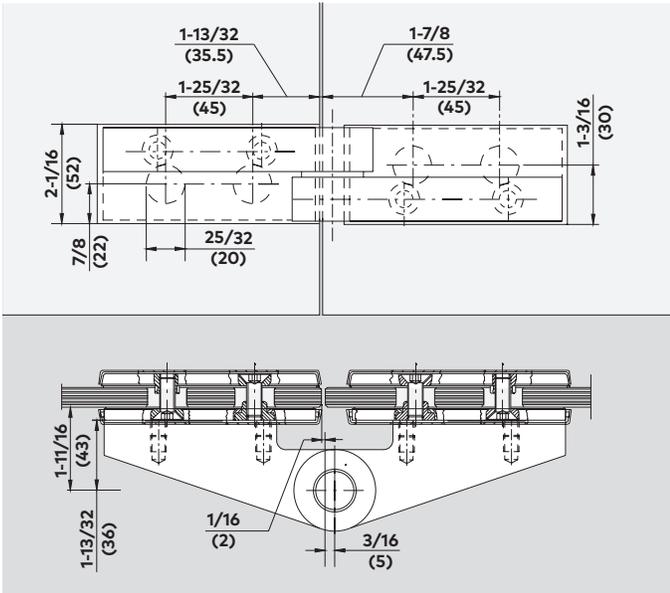
See page 28 for wall connector plate Ref. No.801.127.

Patch for transom and sidelite	*902.140 (LHR)
bushing outside	*902.141 (RHR)

Ø 25/32" (20),
 pivot Ø 19/32" (15)

Weight in lb (kg)
 Aluminum 1.830 (0.832)
 Stainless steel 3.099 (1.409)

*Left/right hand reverse is determined by view from hanging pull side.



Top patch

complete with pivot for sidelite

Ref. No.

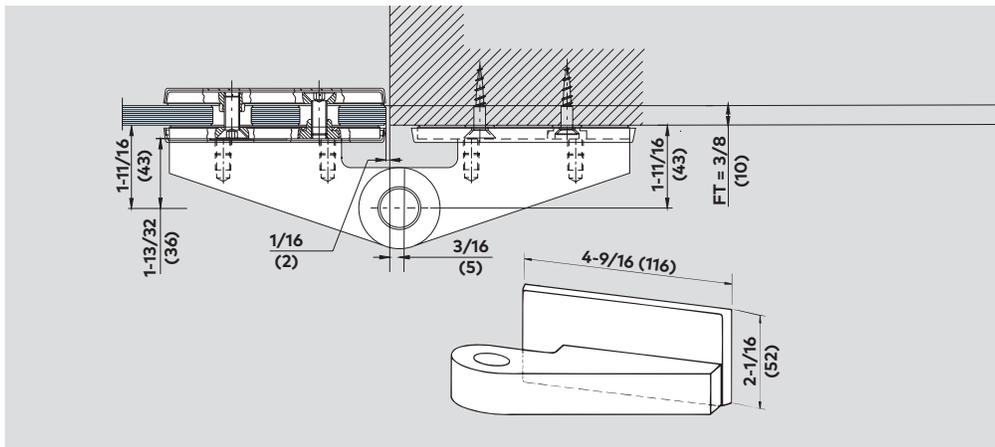
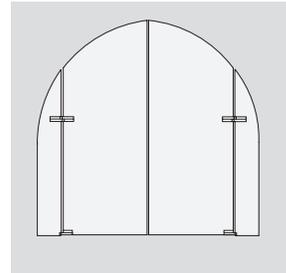
***902.200 (LHR)**

***902.201 (RHR)**

Weight in lb (kg)

Aluminum 3.113 (1.415)

Stainless steel 5.678 (2.581)



Top patch

complete with pivot for wall mounting

Ref. No.

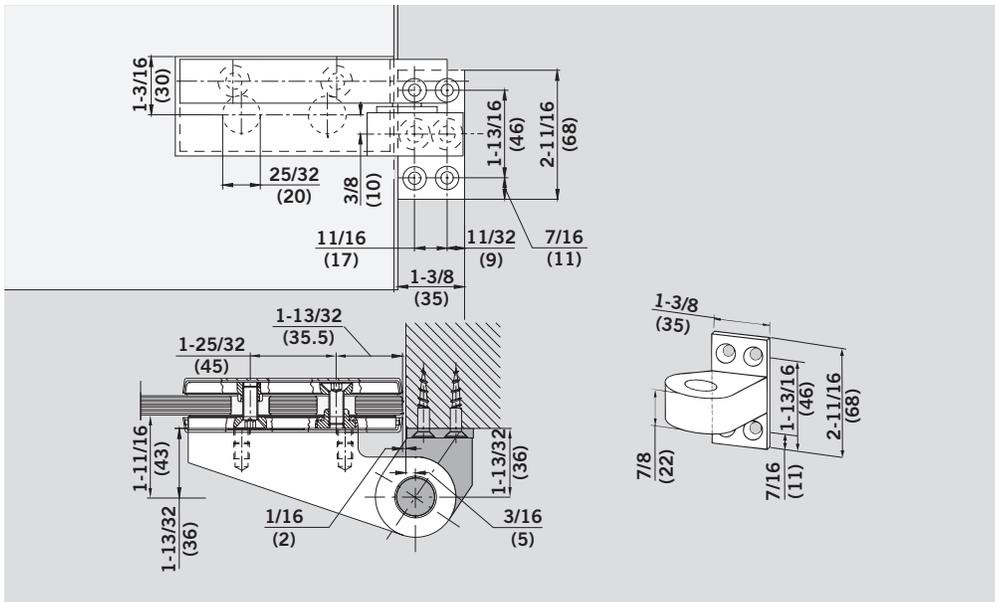
***902.202 (LHR)**

***902.203 (RHR)**

Weight in lb (kg)

Aluminum 2.809 (1.277)

Stainless steel 5.561 (2.528)



Top patch

complete with pivot for frame mounting

Ref. No.

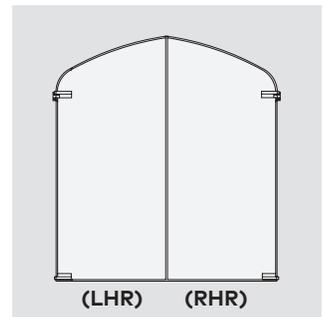
***902.204 (LHR)**

***902.205 (RHR)**

Weight in lb (kg)

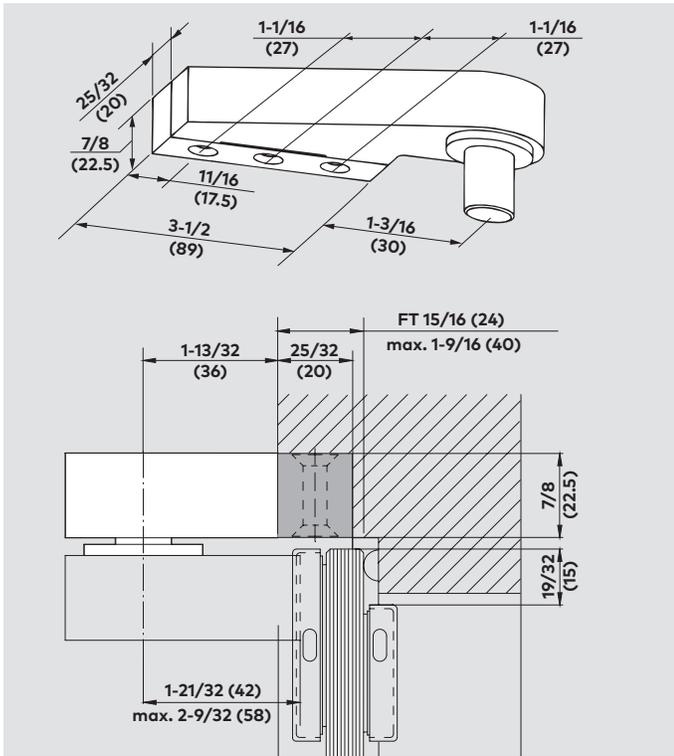
Aluminum 1.969 (0.895)

Stainless steel 3.850 (1.750)



*Left/right hand reverse is determined by view from hanging pull side.

Top centers for wood and steel frames



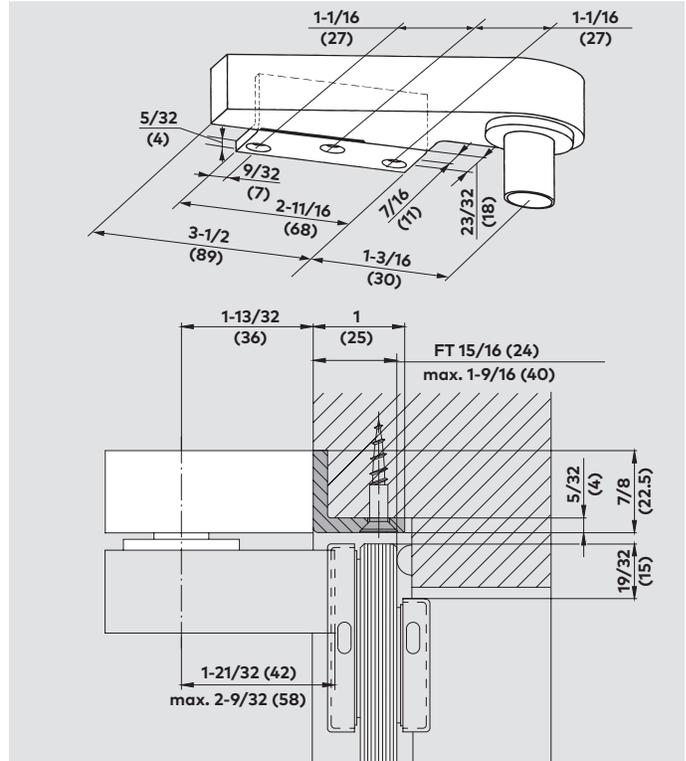
Frame top center
with fixing block

Ref. No. 902.150

Weight in lb (kg)

Aluminum 1.036 (0.471)
Stainless steel 2.149 (0.977)

(If corner fittings/door rails are combined with frame top centers described below, please indicate rebate depth with order.)

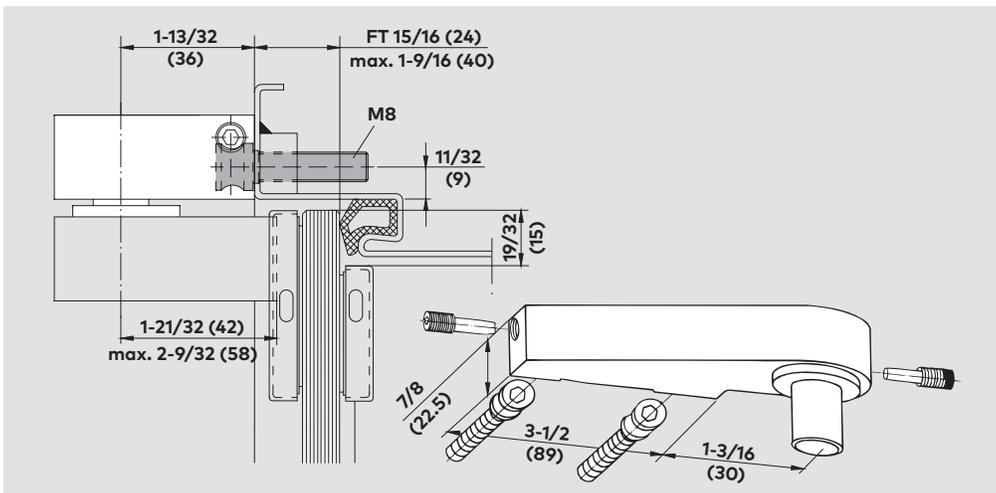


Frame top center
with angle bracket

Ref. No. 902.151

Weight in lb (kg)

Aluminum 0.996 (0.453)
Brass 2.109 (0.959)



Frame top center

only for steel frames, with special wedge screw mounting

Ref. No.

***902.152 (LHR)**

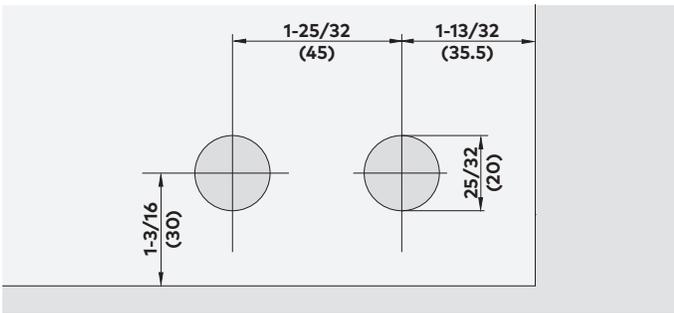
***902.153 (RHR)**

Weight in lb (kg)

Aluminum 0.858 (0.390)
Brass 4.171 (1.896)

*Left/right hand reverse is determined by view from hanging pull side.

EA glass preparation details



Bottom patches

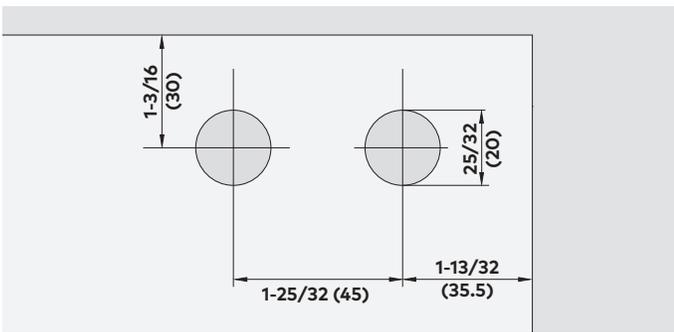
Ref. No:

left hand

902.100

right hand

902.101



Top patches

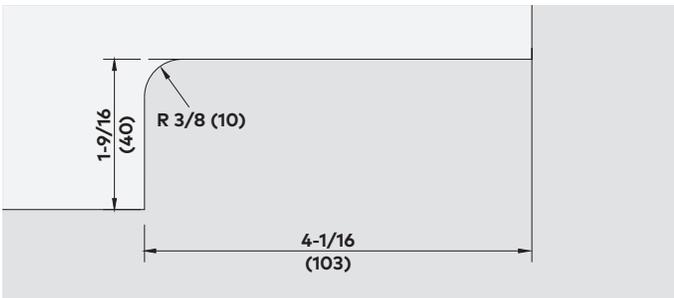
Ref. No:

left hand

902.110

right hand

902.111



Overhead patches

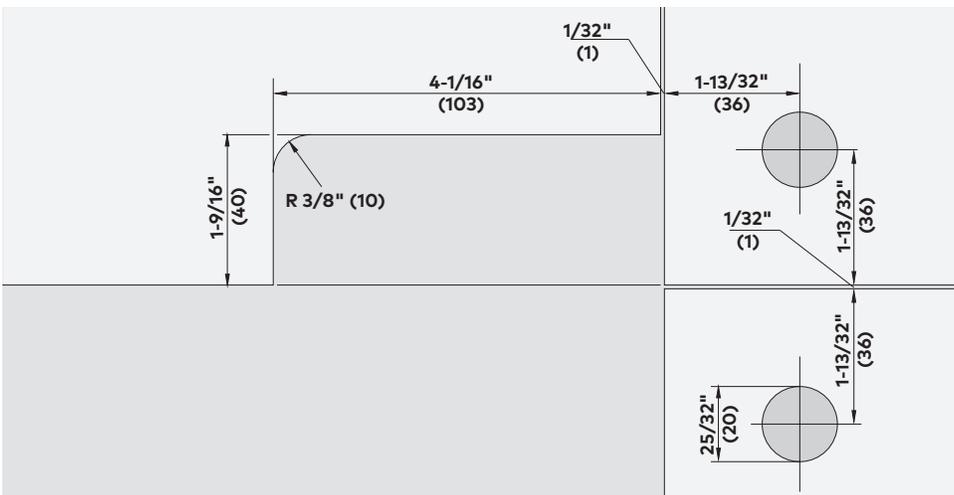
Ref. No:

left hand

902.120

right hand

902.121



Patches for transom and sidelite

Ref. No:

left hand

902.140

right hand

902.141

Note:

All glass preparation detail drawings are

Scale 1 : 2

Accessories

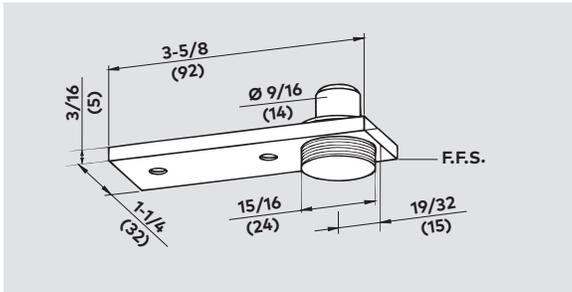
Accessories for patch fittings ... perfection in detail.



dormakaba offers original patch fitting accessories to optimize the technical excellence and cost effectiveness of tempered glass systems. In addition to functional components, such as special floor pivots, available accessories

include security-related options that enhance the functional efficiency, reliability, and long service life expected of dormakaba glass systems and solutions.

Floor bearings and floor socket

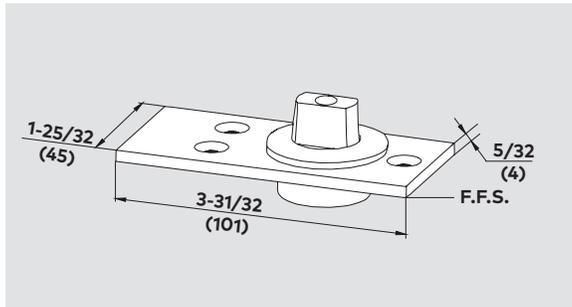


Floor pivot bearing (355.6)
with round pivot $\varnothing 9/16"$ (14), and cover plate; height adjustable by $3/16"$ (5)

max. door weight
220 lb (100 kg)
Ref. No. 201.106

Weight in lb (kg)
Aluminum 0.341 (0.155)
Brass 0.374 (0.170)
Stainless steel 0.372 (0.169)

F.F.S. = Finished Floor Surface



Floor bearing (355.5)
with dormakaba profile spindle (longer spindle on request)

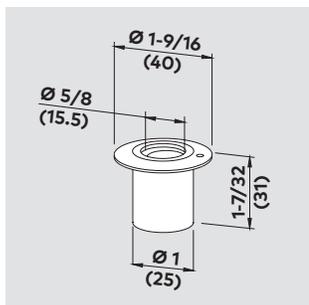
max. door weight
440 lb (200 kg)
Ref. No. 904.602

Weight in lb (kg)
0.559 (0.254)

Stainless Steel
max. door weight
440 lb (200 kg)
Ref. No. 904.603

Weight in lb (kg)
0.563 (0.256)

F.F.S. = Finished Floor Surface

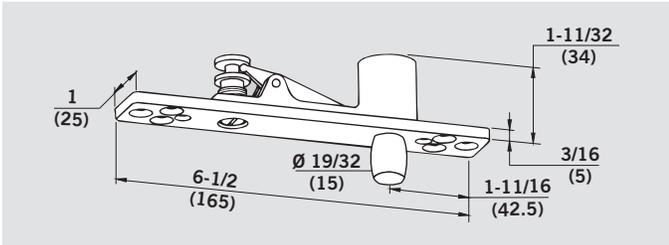


Floor socket
eccentric, zinc coated brass, with adjustable plastic socket insert

Ref. No. 805.194
Weight in lb (kg)
0.044 (0.020)

Accessories

Pivots



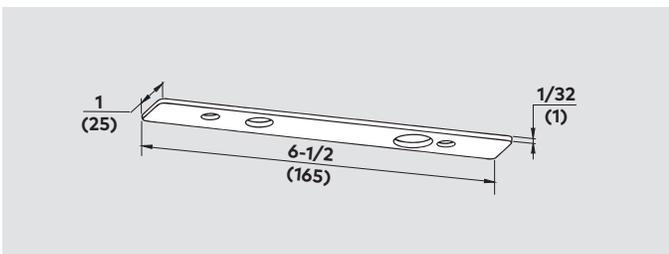
PT 21 frame hung portion

top center hung with removable pin Ø 19/32" (15)

Ref. No. 901.117

Weight in lb (kg)

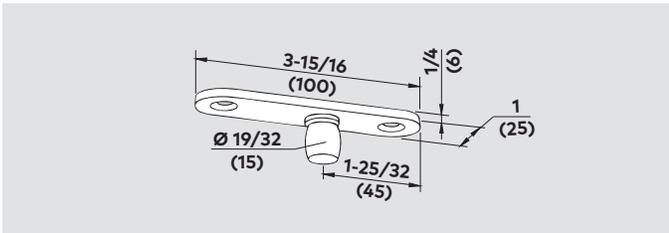
0.737 (0.335)



PT 21 cover plate

Ø 19/32 (15)

Ref. No. 227.004

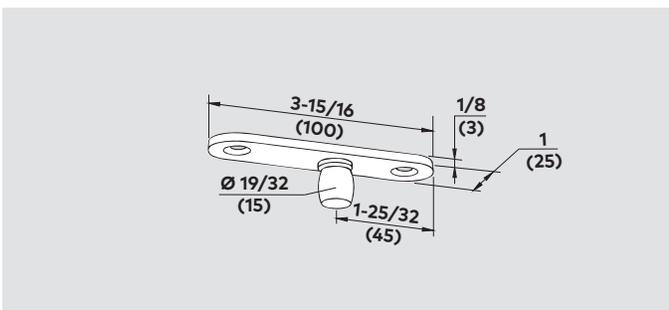


PT 24 pivot (325.6-6)

Ø 19/32 (15) with mounting plate, material thickness 1/4" (6)

countersink base plate in ceiling

Ref. No. 901.116



PT 24 pivot (325.6-3)

Ø 19/32 (15), with mounting plate, material thickness 1/8" (3), to screw on the ceiling

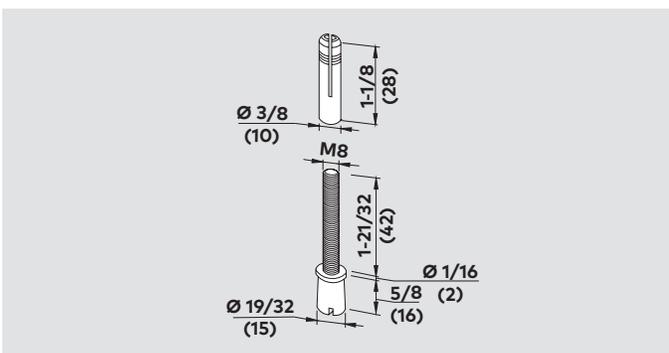
Ref. No. 901.923

Weight in lb (kg)

Aluminum 0.092 (0.042)

Brass 0.171 (0.078)

Stainless steel 0.163 (0.074)



PT 25 pivot (325.3)

Ø 19/32 (15), with plug

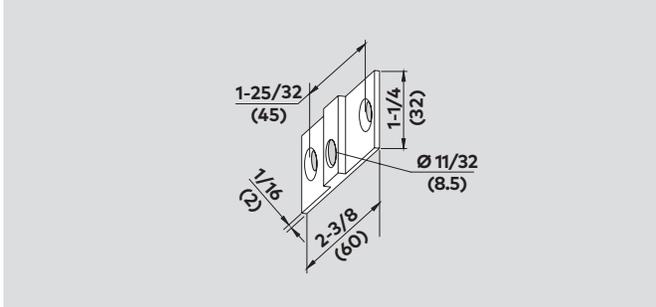
Ref. No. 901.115

Weight in lb (kg)

0.097 (0.044)

Accessories

Fixing plate, threaded rod & cylinder



Mounting plate

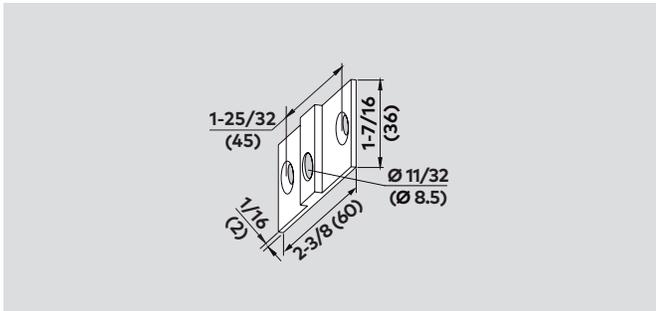
for transom patch PT 30

Ref. No. 903.128

Weight in lb (kg)

Aluminum 0.035 (0.016)
Brass 0.083 (0.038)

Stainless steel not available, satin chrome on brass supplied.



Mounting plate

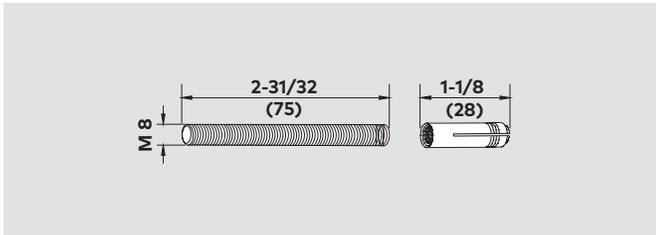
for EA transom patches

Ref. No. 801.127

Weight in lb (kg)

Aluminum 0.042 (0.019)
Brass 0.099 (0.045)

Stainless steel not available, satin chrome on brass supplied.



Threaded rod

M 8 with plug for transom patch

Ref. No. 901.134

Weight in lb (kg)

0.070 (0.032)

Patch Lock – AR20

3/8" (10) glass

Ref. No. 801.124

1/2" (12) glass

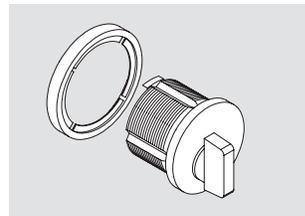
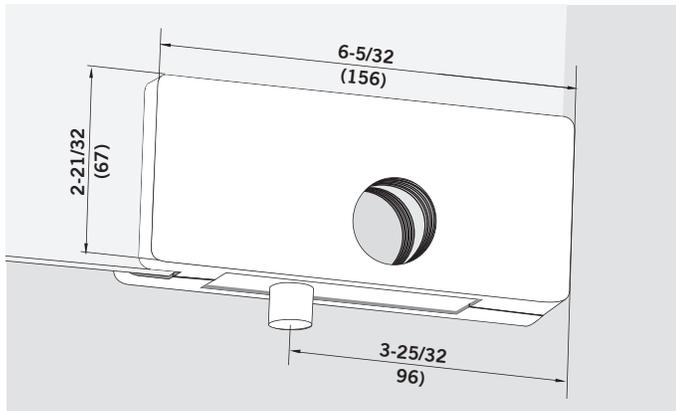
Ref. No. 801.122

5/8" (15) glass

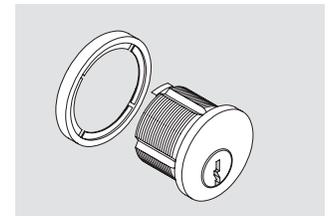
Ref. No. 801.126

3/4" (19) glass

Ref. No. 801.125

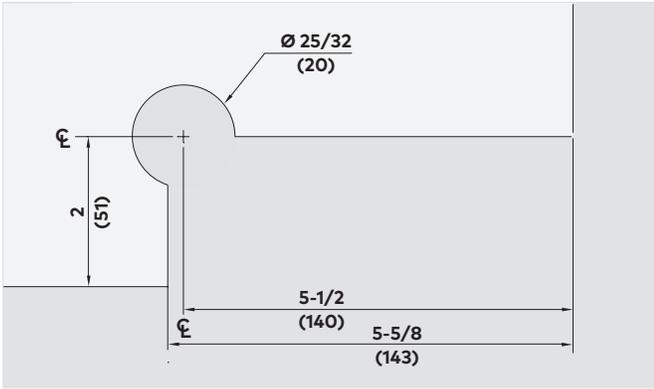


Thumbturn with blocking ring
Ref. No. 225.996



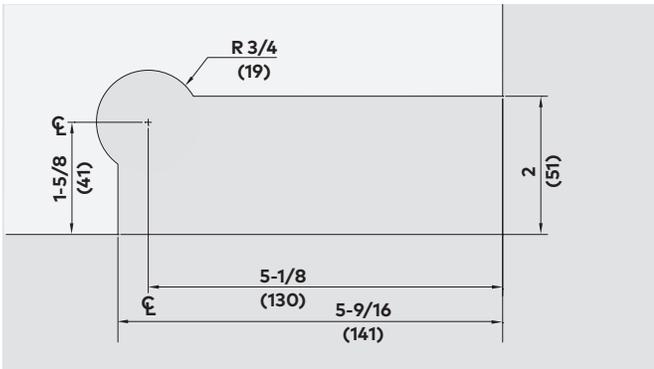
Key Cylinder with blocking ring
Ref. No. 225.997

Glass preparation—patch lock



3/8" (10) glass
Ref. No. 801.124

1/2" (12) glass
Ref. No. 801.122

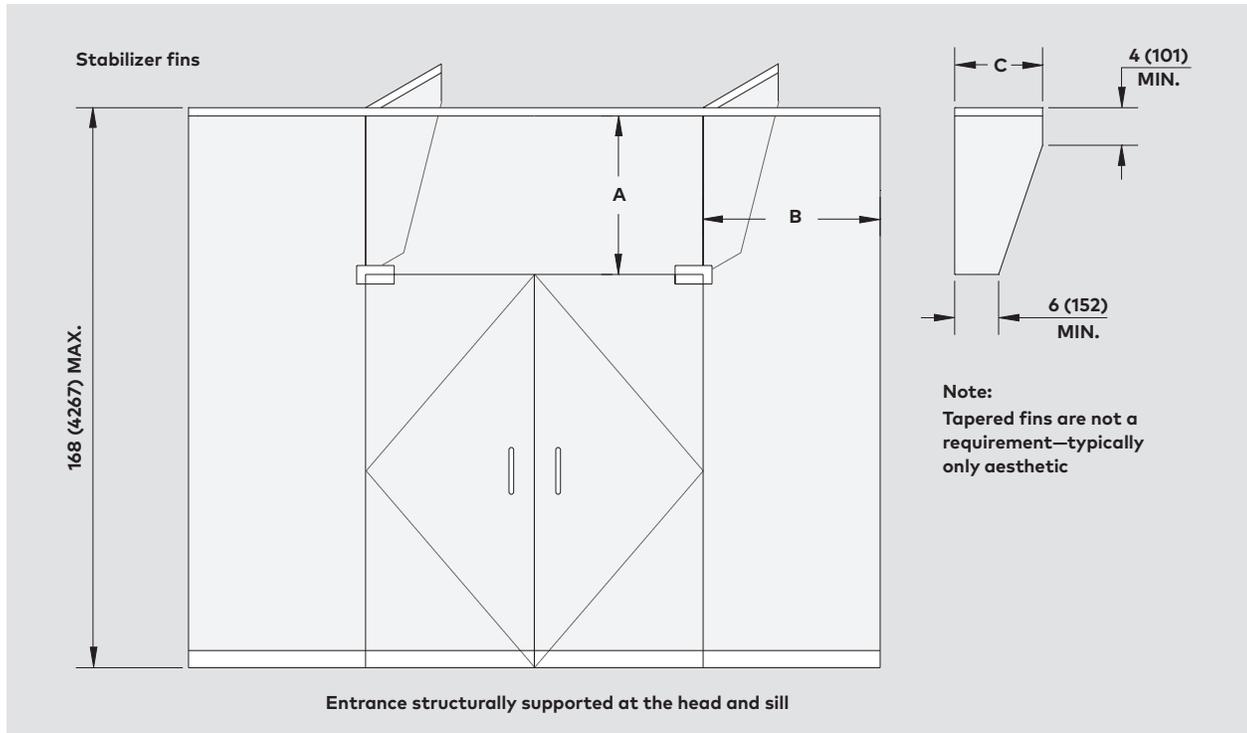


5/8" (15) glass
Ref. No. 801.126

3/4" (19) glass
Ref. No. 801.125

Note:
 All glass preparation
 detail drawings are
Scale 1 : 2

Fin usage and assembly



Risk of excessive deflection increases as the distance from the door's upper pivot to structure increases. To reduce deflection, glass fins mounted perpendicular to the glass wall should be employed.

To determine if fins are required, contact dormakaba Customer Service or refer to GANA guidelines. Transom height (dimension A), sidelite width (dimension B as shown in the elevation—or a total width to nearest support point in the case of multiple sidelites) and fin top width (dimension C).

Individual situations and site conditions may require additional support to adequately reduce deflection. Exterior applications up to 13' (4 m) should have job-specific calculations processed. Exterior applications over 13' (4 m) require a set of full engineering specifications.

Note:

When fins are used, they must be mechanically fastened to provide adequate support at header. If transom weight exceeds 75 lb (34 kg), it should also be mechanically fastened to structure above to provide additional support.

Mechanical channel

Mechanical channel

Consists of base section with bore holes every 11-13/16" (300), including clamping parts with screws and gasket strips.

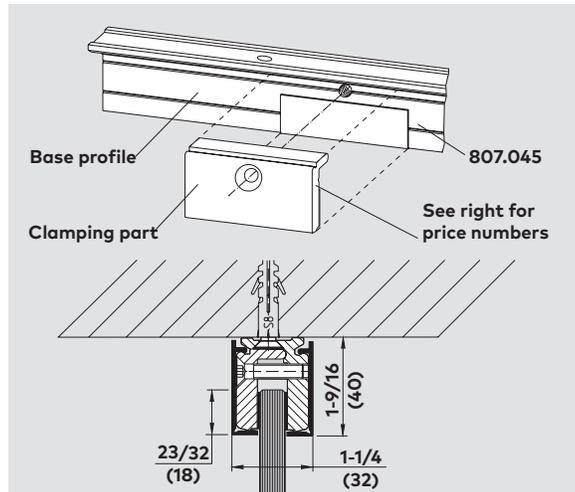
Application

All around frame system for tempered glass assemblies, with fittings on sides and ceiling.

The **safety type** prevents free hanging glass panels from falling down by mounting the clamping fitting through glass holes. 33 lb (15 kg) load for each

clamping part, torque for fixing screws 7.5 lb-ft / 10 Nm (M 6 = hex key size 4).

Standard type



Base profile standard type

157" (4000) stock length

Weight in lb/ft (kg/m)

Aluminum .805 (1.200)

for 3/8" (10) through 3/4" (19) glass thickness

Ref. No. 807.045

Clamping part standard type

2-3/8" (60) long with screw and gasket

Weight in lb/ft (kg/m)

Aluminum 0.037 (0.055)

3/8" (10) glass

Ref. No. 807.004

1/2" (12) glass

Ref. No. 807.085

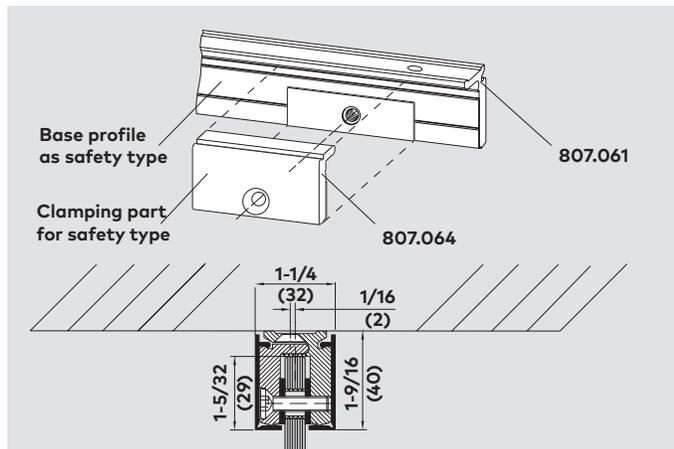
5/8" (15) glass

Ref. No. 807.087

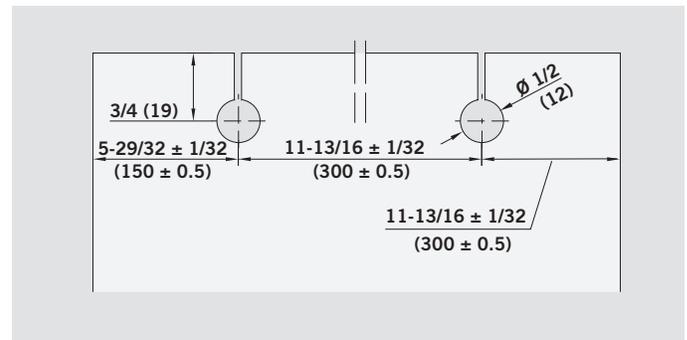
3/4" (19) glass

Ref. No. 807.089

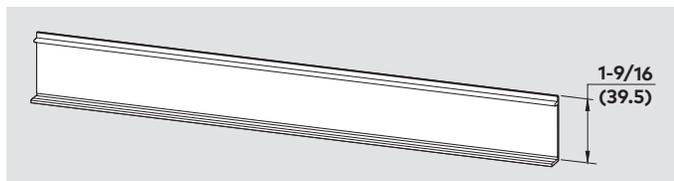
Tempered monolithic 3/8" (10) glass only



Glass preparation for safety type mechanical channel



Clip-on cover



Clip-on cover profile

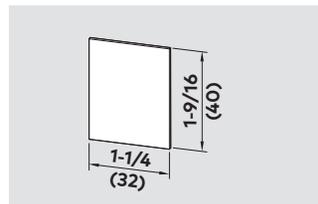
157" (4000) stock length, brass, stainless steel, satin and stainless steel polished available

Ref. No. 807.003

Weight in lb/ft (kg/m)

Aluminum 0.137 (0.203)
 Brass 0.252 (0.373)
 Stainless steel 0.252 (0.373)

End caps & filler blocks

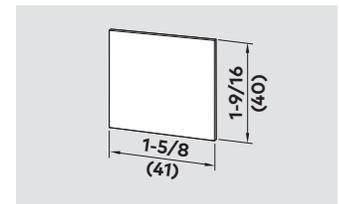


End cap for 3/8" (10) and 1/2" (12) glass thickness

Ref. No. 807.007

Weight in lb (kg)

Aluminum 0.484 (0.220)
 Brass 1.383 (0.629)
 Stainless steel 1.348 (0.613)



End cap for 5/8" (15) and 3/4" (19) glass thickness

Ref. No. 807.065

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 must be informed about relevant points mentioned in these safety-related information and the mounting and operating instructions!

General information

1. dormakaba recommends using fully tempered glass, Kind FT, which complies with ASTM C 1036 and ASTM C 1048 requirements, including those indicated by reference to type, class, quality.
2. dormakaba glass fittings are not suitable for application in rooms such as indoor swimming pools, saunas, or salt-water pools, where chemicals (chlorine, for example) are used.
3. 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 are authorized to mount dormakaba glass fittings.
2. Never use glass with conchoidal fractures and/or damaged edges.
3. Due to crushing and possible injury caused by breakage of glass during mounting, appropriate protective clothing (especially gloves and protective goggles) is required.
4. Clean clamping area with alcohol-based solvent (standard commercial cleaning agent) before mounting the glass fitting. Always use silicone and oil-free cleaners.

5. Never clamp metal fitting hardware directly to glass surfaces or use glass of heavily varying thickness unless with a corresponding leveling layer.
6. Never use clamping products with 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 over tightening screws).

Maintenance

Check fittings at regular intervals for proper positioning and smooth running and door for correct adjustment. Function of fittings is recommended to be inspected every 500,000 movements by a specialist. 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 (anodized finishes, stainless steel) only use appropriate cleaning agents without abrasive additives.
- For varnished surfaces, only use appropriate solvent-free cleaning agents only.
- Brass surfaces (without surface protection) have to be treated periodically with an appropriate maintenance agent, to avoid tarnishing.

For practical planning, please refer to dormakaba technical drawings.



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