

Versatility plus multiplicity with UNIVERSAL Arcos

Patch fittings and connector hardware for overpanels and side panels, fin fittings for particularly large systems – with the curved arc motif of the Arcos design always incorporated in each component. Gentle reflections that change with the planes give both the glass and its fittings the appearance of a harmonious whole.



Easy glass preparation, secure fixing

dormakaba-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 Arcos fittings are supplied as standard with gasket to suit 10 mm glass. 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

All the inserts for corner and overpanel patches in the UNIVERSAL Arcos 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.

Reliability built in

Quality materials and thorough workmanship mean that UNIVERSAL Arcos 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 kg: for instance, a door blade 3,000 mm high by 1,200 mm wide, using 10 mm glass is quite possible.

Clip-on technique

The innovative clip-on technique incorporated in the hardware ensures that the cover caps can be secured to the basic components so that the fixing is virtually invisible.

Matching range of locks

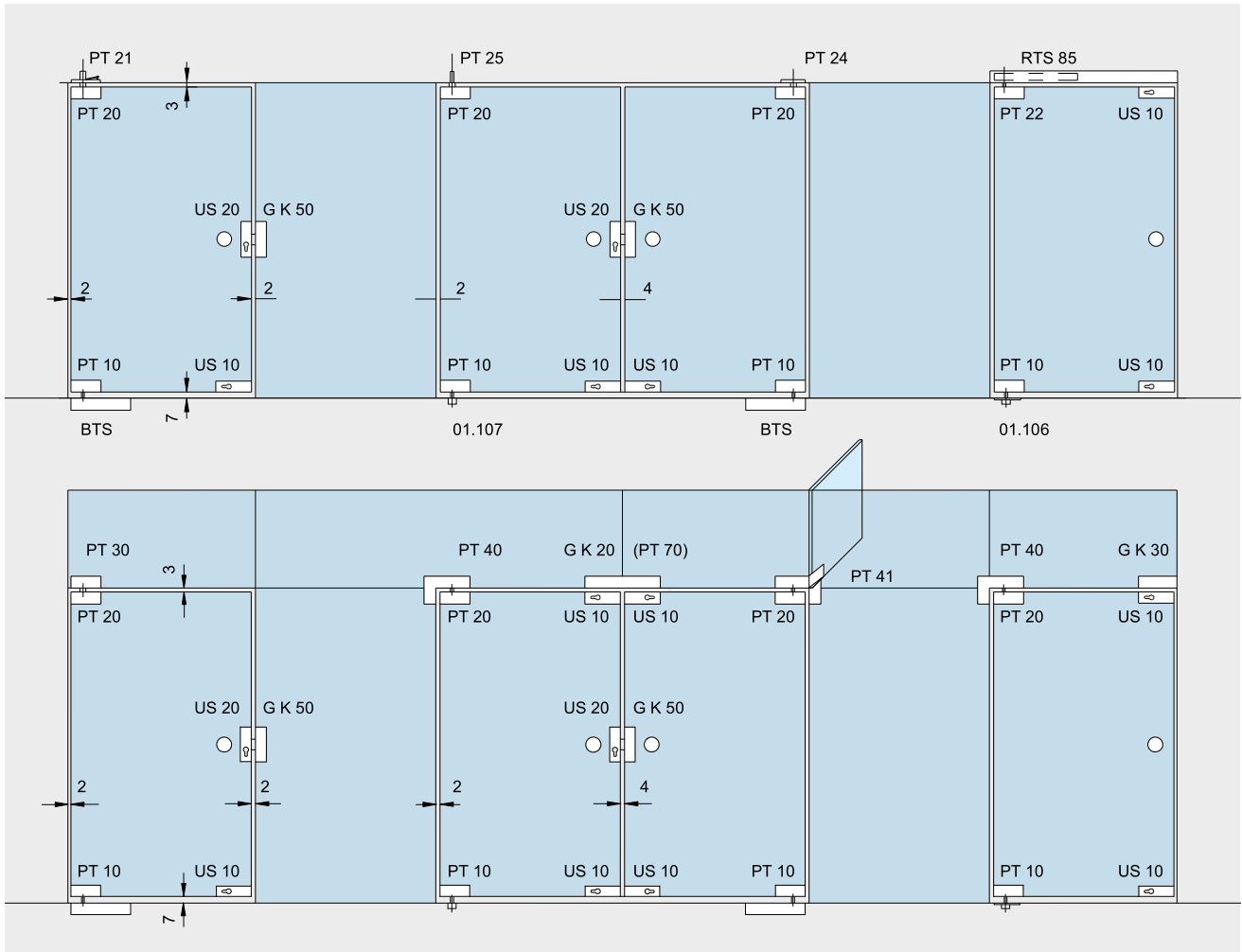
The UNIVERSAL Arcos range includes every type of accessory, and of course, a variety of locks and strike boxes in a matching design concept, giving the designer plenty of choice from the options available.

Short delivery times

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

Type section

Toughened glass assemblies with fittings and locks.
All standard assembly types see page 42.



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

Maximum door weight and width for UNIVERSAL fittings

max. door weight: 130 kg*
 max. door width: 1,200 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 1,100 mm. For door weights up to 150 kg and widths up to 1,400 mm door rails should be used.

* For door heights up to 2,500 mm

- For doors with a height of more than 2,500 mm we have to keep additional conditions/limits:
- Glass thickness ≥ 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 $\leq 1,100$ mm must be provided with door closers of type EN 3 (with or without backcheck), and doors $\geq 1,100$ mm need to be fitted with larger door closers (e.g. EN 4, 5 or 6) without backcheck.

Torque for fixing screws

Screws M 6: 10 Nm (4 mm)*

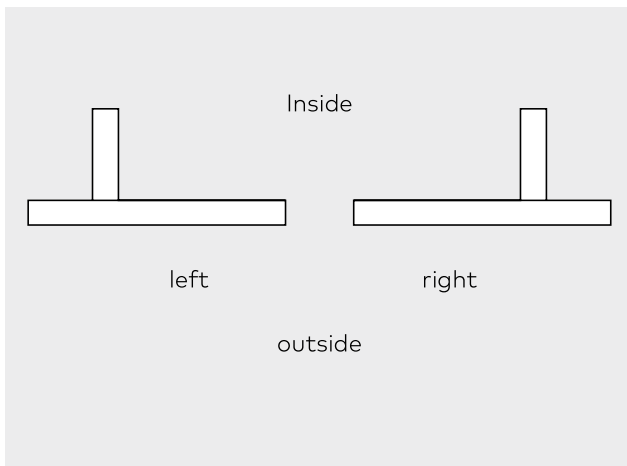
Screws M 6: 15 Nm (5 mm)*

Screws M 8: 20 Nm (5 mm)*

*Allan key size

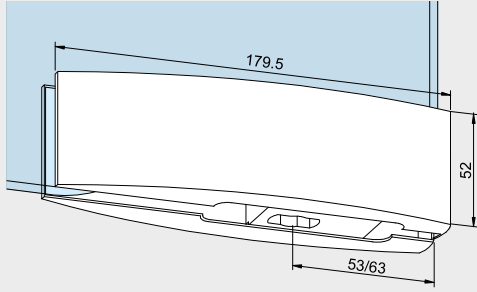
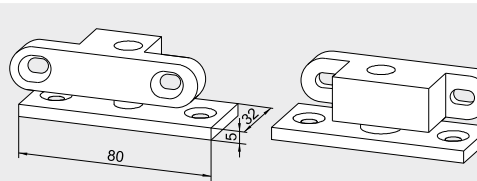
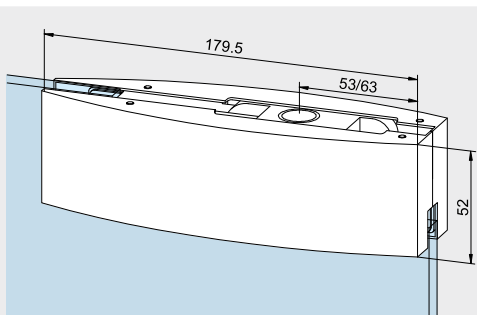
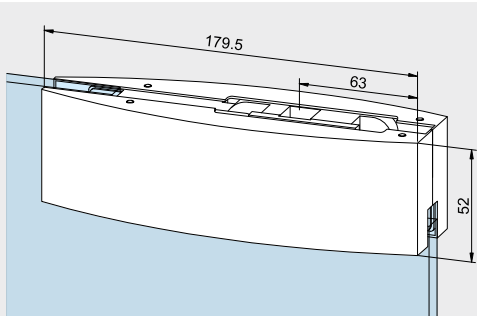
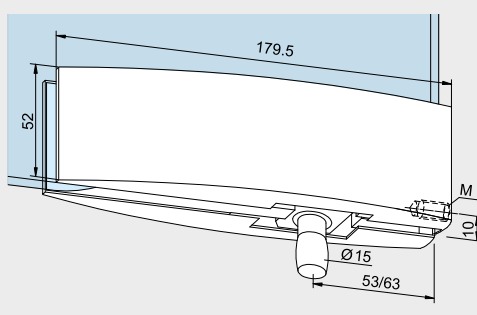
Note for stiffening elements:

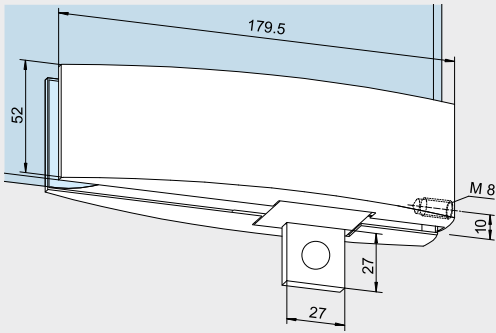
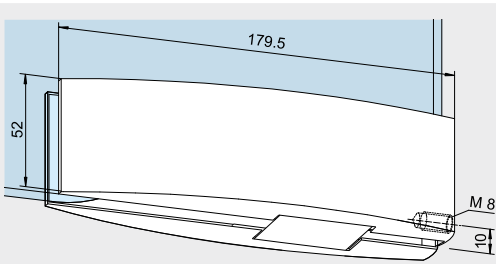
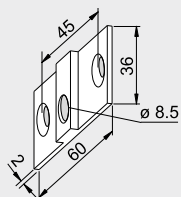
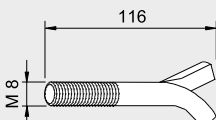
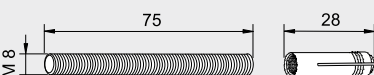
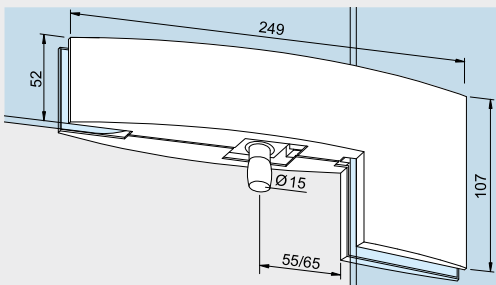
"Left" or "Right" is always determined from the outside and as viewed from above.



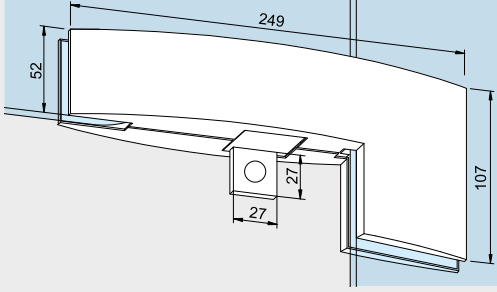
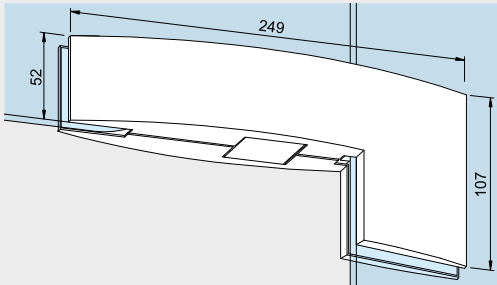
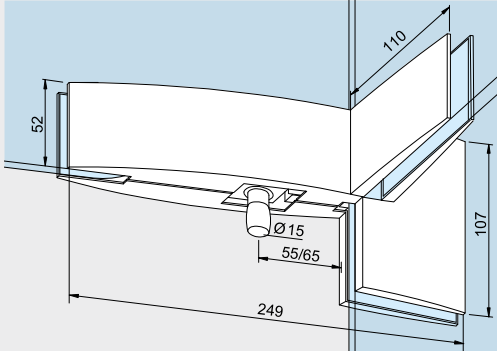
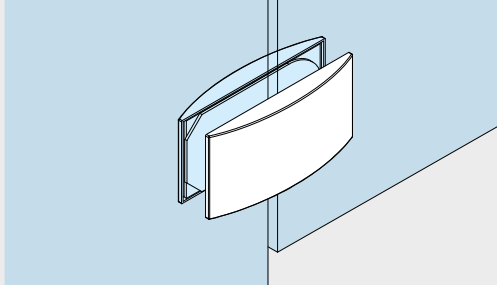
Patch fittings

Shown with 10 mm glass. From 12 mm glass measurements change accordingly. Accessories see page 222.

	Product description	Art. No.
	<p>Arcos PT 10 Bottom patch with insert for DORMA floor spring spindle, or round pivot 14 mm Ø</p> <p>Weight in kg: Aluminum 0.564 Stainless steel 0.662</p>	26.100
	<p>Floor pivot bearing for damp environments, with insert for PT 10, without floor recess max. door weight 80 kg</p> <p>Weight in kg: 0.195</p>	01.137
	<p>Arcos PT 20 Top patch with plastic socket for top pivot 15 mm Ø</p> <p>Weight in kg: Aluminum 0.477 Stainless steel 0.575</p>	26.100
	<p>Arcos PT 22 Top patch with insert for DORMA RTS transom closer</p> <p>Weight in kg: Aluminum 0.578 Stainless steel 0.677</p>	26.112
	<p>Arcos PT 30 Overpanel patch with pivot 15 mm Ø, with M 8 tapped hole at side</p> <p>Weight in kg: Aluminum 0.528 Stainless steel 0.636</p>	26.120

	Product description	Art. No.
	<p>Arcos PT 30 Overpanel patch with stop insert</p> <p>Weight in kg: Aluminum 0.528 Stainless steel 0.580</p>	<p>26.420</p>
	<p>Arcos PT 30 Overpanel patch with blanking insert</p> <p>Weight in kg: Aluminum 0.519 Stainless steel 0.571</p>	<p>26.421</p>
	<p>Fixing plate for overpanel patch PT 30</p> <p>Weight in kg: Aluminum 0.016 Brass 0.038</p> <p>Stainless steel not available, satin chrome on brass supplied.</p>	<p>03.128</p>
	<p>Wall anchor with thread M 8 for overpanel patch PT 30</p> <p>Weight in kg: 0.040</p>	<p>01.133</p>
	<p>Threaded rod with thread M 8 for overpanel patch PT 30</p> <p>Weight in kg: 0.032</p>	<p>01.134</p>
	<p>Arcos PT 40 Patch for overpanel and side panel with pin 15 mm Ø</p> <p>Weight in kg: Aluminum 0.755 Stainless steel 0.937</p>	<p>26.140</p>

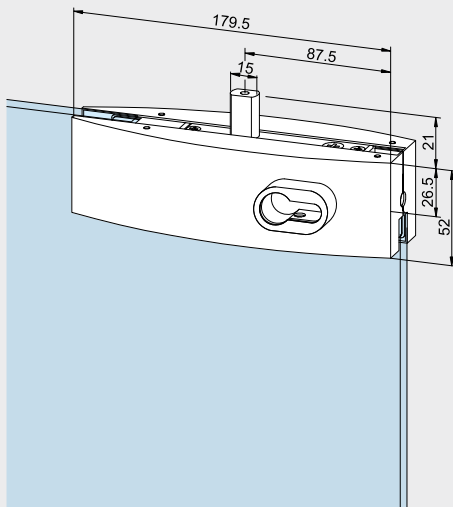
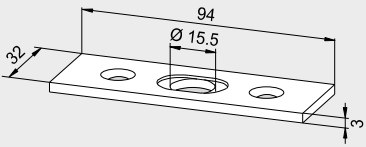
Patch fittings

	Product description	Art. No.
	<p>Arcos PT 40 patch for overpanel and side panel with stop insert</p> <p>Weight in kg: Aluminum 0.755 Stainless steel 0.937</p>	26.440
	<p>Arcos PT 40 patch for overpanel and side panel with blank insert</p> <p>Weight in kg: Aluminum 0.746 Stainless steel 0.928</p>	26.441
	<p>Arcos PT 41 patch for overpanel and side panel with fin fitting inside with pivot 15 mm Ø</p> <p>do. with stop insert</p> <p>do. with blanking insert</p> <p>Weight in kg: Aluminum 0.952 Stainless steel 1.197</p>	*26.162/26.163
	<p>Overpanel-sidelight connector</p> <p>Weight in kg: Aluminum 0.146</p>	12.536

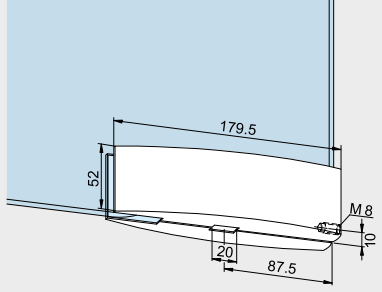
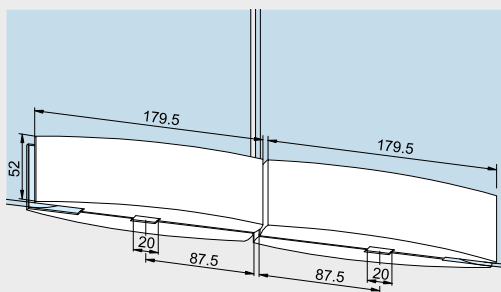
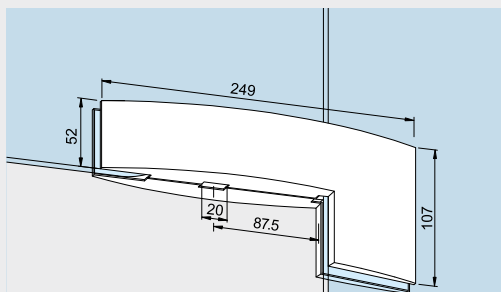
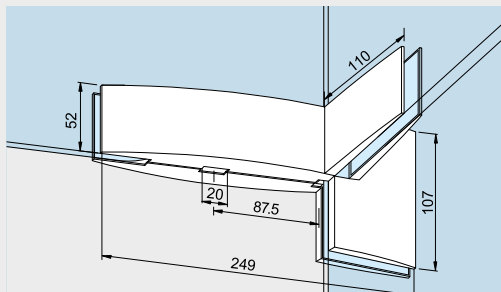
* Left hand fin (illustration shows left hand) / Right hand fin
 Left or right hand are determined by view from outside.

Locks, complete

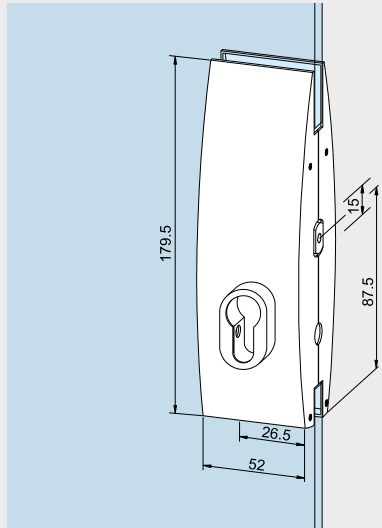
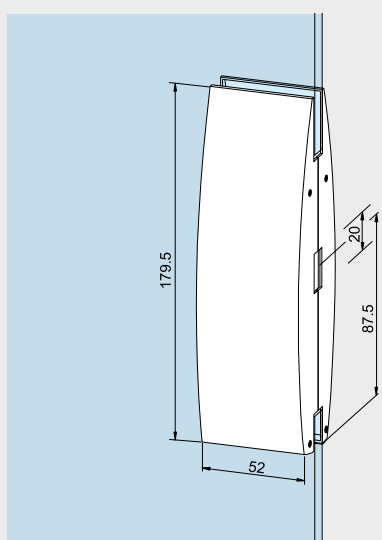
For 10 mm glass thickness.
Accessories are shown from page 222 on.

	Product description	Glass thickness	Art. No.
	<p>Arcos US 10 corner lock, prepared for Europrofile cylinder, single throw, bolt projection 20 mm, with security rosettes on both sides, 14 mm high.</p> <p>Lock insert:</p> <ul style="list-style-type: none"> • high corrosion resistance according to EN 1670, class 4 • with regard to type-test according to DIN 18251, class 3* <p>Attention: Modified position of locking bolt in comparison to UNIVERSAL US 10</p> <p>Weight in kg: Aluminum 0.942 Stainless steel 1.053</p>	<p>10 mm</p>	<p>26.206</p>
	<p>Lock keeper plate, stainless steel, two parts, adjustable ± 5 mm</p> <p>Weight in kg: 0.048</p> <p>alternative: Floor sockets</p>		<p>05.190</p> <p>05.192 not illustrated 05.193 not illustrated 05.194 not illustrated</p>

* 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.

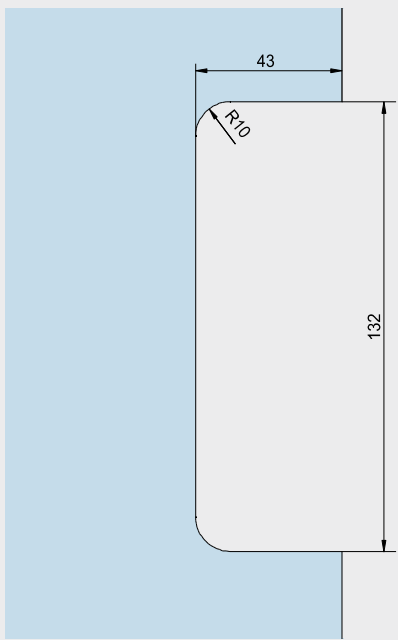
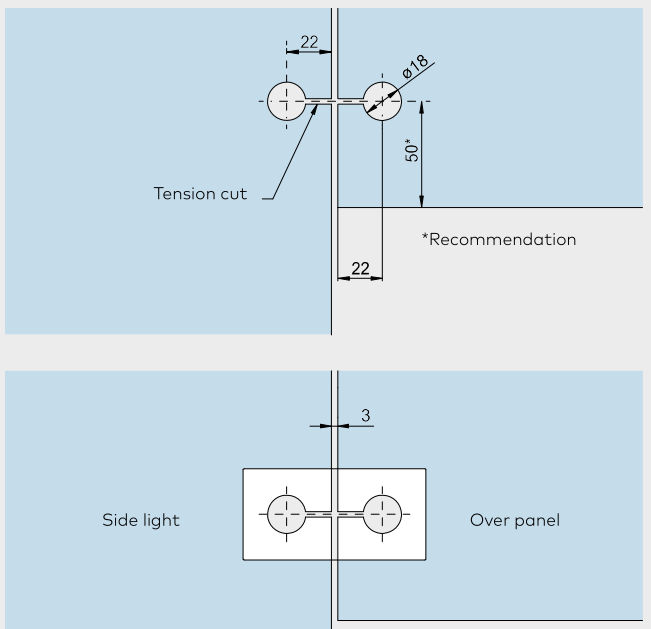
	Product description	Art. No.
	<p>Arcos GK 30 Single overpanel strike box with threaded hole at side, to suit Arcos US 10 corner lock</p> <p>Weight in kg: Aluminum 0.418 Stainless steel 0.536</p>	<p>26.230</p>
	<p>Arcos GK 20 Double overpanel strike box to suit Arcos US 10 corner lock, consisting of two Arcos GK 30 with threaded connecting bolt</p> <p>Weight in kg: Aluminum 0.844 Stainless steel 0.948</p>	<p>26.245</p>
	<p>Arcos GK 40 Overpanel strike box to suit Arcos US 10 corner lock</p> <p>Weight in kg: Aluminum 0.709 Stainless steel 1.010</p>	<p>26.250</p>
	<p>Arcos GK 41 Strike box to suit Arcos US 10 corner lock, with fin fitting</p> <p>Weight in kg: Aluminum 0.906 Stainless steel 1.270</p>	<p>*26.194/26.193</p>

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

	Product description	Glass thickness	Art. No.
	<p>US 20 centre lock, prepared for Europrofile cylinder, single throw, bolt projection 20 mm, with security rosettes 14 mm thick.</p> <p>Lock insert:</p> <ul style="list-style-type: none"> • high corrosion resistance according to EN 1670, class 4 • with regard to type-test according to DIN 18251, class 3* <p>Attention: Modified position of locking bolt in comparison to UNIVERSAL US 20</p> <p>Weight in kg: Aluminum 0.942 Stainless steel 1.053</p>	<p>10 mm</p>	<p>26.215</p>
	<p>Arcos GK 50 Strike box to suit Arcos US 20 centre lock</p> <p>Weight in kg: Aluminum 0.602 Stainless steel 0.727</p>		<p>26.224</p>

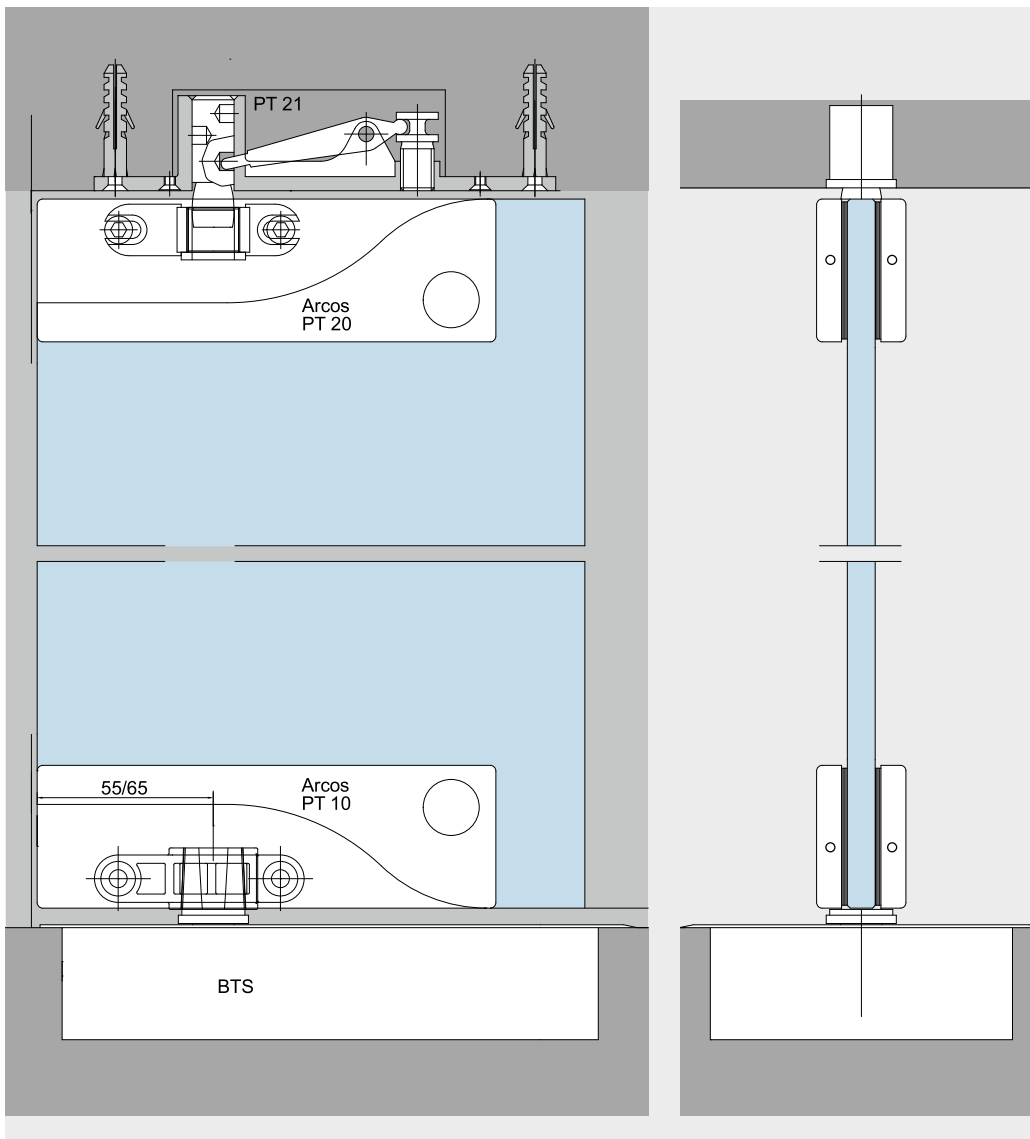
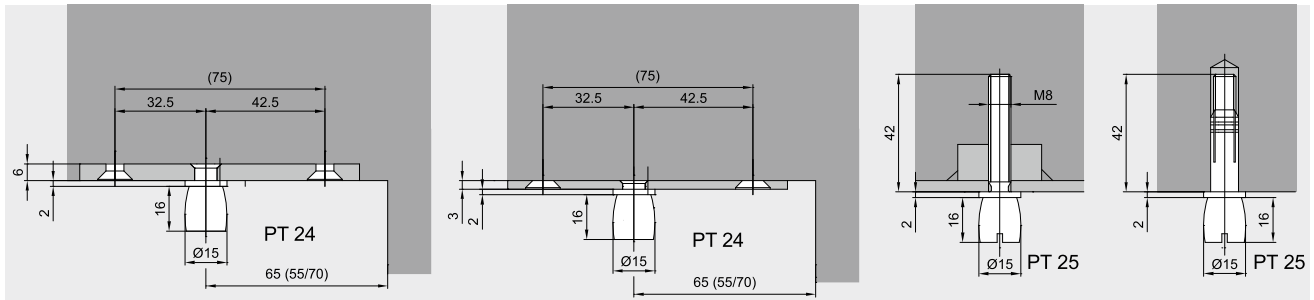
* Extract from DIN 18251, class 3: Type-test with 50,000 locking bolt operating cycles. Furthermore the lock was tested successfully by a neutral testing institute with 100,000 locking bolt operating cycles.

Glass preparation

	Product description	Art. No.
	<p>Arcos US 20, GK 50 Centre lock</p> <p>and strike box to suit centre lock</p> <p>Scale 1 : 2</p>	<p>26.215</p> <p>26.224</p>
	<p>Overpanel-sidelight connector</p> <p>Weight in kg: Aluminum 0.146</p>	<p>12.136</p>

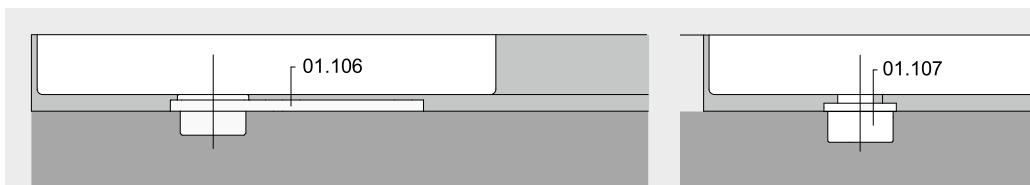
Construction details

Advisory: Please note that the upper pivots for UNIVERSAL and those for MUNDUS are not mutually compatible. The spigot diameters of the MUNDUS fittings vary..

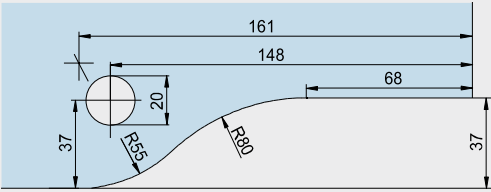
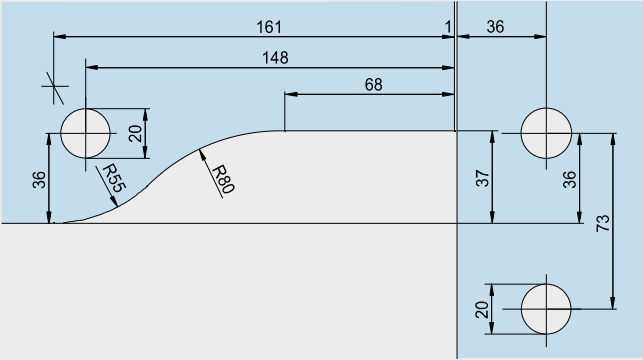
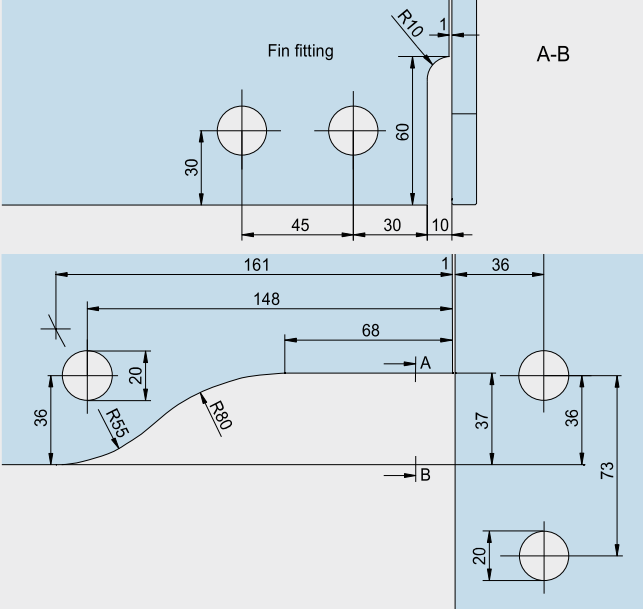


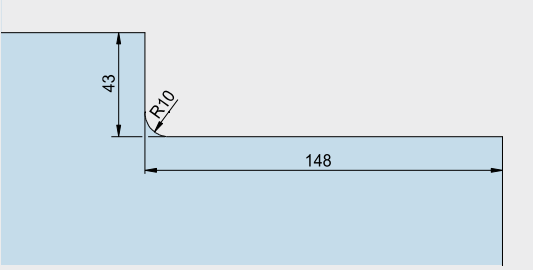
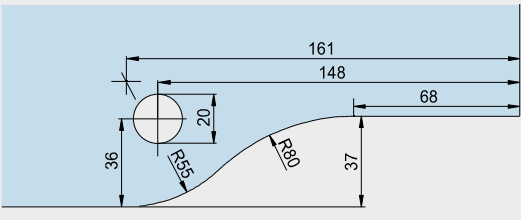
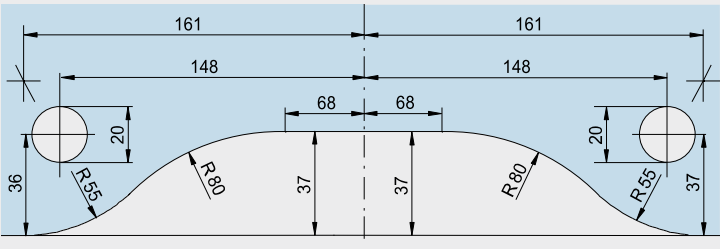
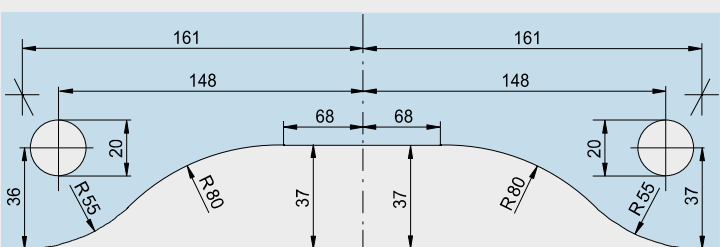
Fixing of pivots and top centres

Fixing of top pivots and top centres for Arcos PT 20 and Arcos PT 22.



Fixing of floor springs, pivot bearings for Arcos PT 10

	Product description	Art. No.
	<p>Arcos PT 10, PT 20, PT 22, PT 30 Top and bottom patches, overpanel patch</p> <p>Scale 1 : 2</p>	<p>26.100 26.110 26.112 26.120 26.420 26.421</p>
	<p>Arcos PT 40 Patch for overpanel and side panel</p> <p>Scale 1 : 2</p>	<p>26.140 26.440 26.441</p>
	<p>Arcos PT 41, GK 41 Patch for overpanel and side panel with fin fitting inside</p> <p>Scale 1 : 2</p>	<p>26.162 26.163 26.193 26.194</p>

	Product description	Art. No.
	<p>Arcos US 10 Corner locks</p> <p>Scale 1 : 2</p>	<p>26.206</p>
	<p>Arcos GK 30 (PT 30) Single overpanel strike box</p> <p>Scale 1 : 2</p>	<p>26.230</p>
	<p>Arcos GK 20 Double overpanel strike box</p> <p>Scale 1 : 2.5</p>	<p>26.245</p>
	<p>Arcos GK 40 (PT 40) Corner overpanel strike box</p> <p>Scale 1 : 2</p>	<p>26.250</p>