FITTINGS AND DOOR RAILS FOR TOUGHENED GLASS ASSEMBLIES

Universal / RP / EA / TP/TA
VISUR / BEYOND / SG
<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>PAGE RANGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT RANGE</td>
<td>4–5</td>
</tr>
<tr>
<td>UNIVERSAL</td>
<td>6–41</td>
</tr>
<tr>
<td>RP</td>
<td>42–47</td>
</tr>
<tr>
<td>EA</td>
<td>48–60</td>
</tr>
<tr>
<td>TP/TA</td>
<td>62–91</td>
</tr>
<tr>
<td>VISUR</td>
<td>92–99</td>
</tr>
<tr>
<td>BEYOND</td>
<td>100–109</td>
</tr>
<tr>
<td>SG</td>
<td>110–131</td>
</tr>
<tr>
<td>ACCESSORIES</td>
<td>132–156</td>
</tr>
<tr>
<td>SAFETY-RELATED INFORMATION</td>
<td>157</td>
</tr>
</tbody>
</table>
THE DORMA-GLAS RANGE OF FITTINGS

The DORMA-Glas range of fittings has matured into one of the most comprehensive available today. It offers ideal options for creating all standard toughened glass assemblies in a manner which is technically sound and visually attractive. This gives the designer a wide variety of options for individual expression in creating with toughened glass – either internally or externally.

All DORMA fittings are based on a modular system, consisting of a base unit, functional inserts and clip-on covers in the widest possible range of finishes. The glass preparations that are needed can be performed quickly and easily. Quality materials and thorough workmanship guarantee a long service life and a reflection of excellence for years to come.

Door rails and locks ideally complement the DORMA product range for toughened glass assemblies. The door rails grant all requests for wide and heavy doors, also for side panels. They guarantee the maximum protection for the lower glass edge. With its different types and finishes the lock programme DORMA SG meets various requirements for function, safety and appearance.

<table>
<thead>
<tr>
<th>Applications and features</th>
<th>Patch fittings UNIVERSAL</th>
<th>Patch fittings RP</th>
<th>Patch fittings EA</th>
</tr>
</thead>
<tbody>
<tr>
<td>For external assemblies</td>
<td>+++</td>
<td>+++</td>
<td>+++</td>
</tr>
<tr>
<td>For internal assemblies</td>
<td>+++</td>
<td>+++</td>
<td>+++</td>
</tr>
<tr>
<td>For standard toughened glass assembly types</td>
<td>+++</td>
<td>+++</td>
<td>+++</td>
</tr>
<tr>
<td>For individually designed assemblies with corner fittings, fin fittings etc.</td>
<td>+++</td>
<td>+++</td>
<td>+++</td>
</tr>
<tr>
<td>For double-action doors</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>For single-action doors</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>
| Glass thickness (mm)      | 8, 10, 12
1)  | 8, 10, 12     | 8, 10, 12     |
| Glass thickness (mm), for Universal with 15 mm pivot point | 8, 10 |
| Max. door weight (kg)     | 130
2)  | 80          | 90               |
| Max. door weight (kg) for Universal with 15 mm pivot point | 80 |
| Max. door width (mm)      | 1300
5)  | 1100        | 1000             |

Materials and finishes

- Aluminium, mill finish (100)
- Aluminium, silver anodised, EV1, C0 (101)
- Aluminium, dark bronze anodised DB14, MC1003, C34 (108)
- Aluminium, sim. to satin stainl. steel anodised (113, 107)
- Bespoke colour anodising (199)
- Aluminium, white powder coated, similar to RAL 9016 (300)
- Bespoke powder coating (399)
- Brass, polished chromed (501)
- Brass, polished varnished (502)
- Brass, polished (503)
- Stainless steel, satin (700)
- Stainless steel polish (701)

Page 64 2 8
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 >/= 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 >/= 100 Kg must be used with door closers type EN 4 (with or without back check) or a higher type (e.g. EN 5) without back check.

+++ particularly suitable
++ suitable
+ partially suitable
○ Optional
● Standard

Under certain circumstances also 15 + 19 mm glass thicknesses

* Only for double action doors with door rail top and bottom
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>General information, maximum measurements</td>
<td>8</td>
</tr>
<tr>
<td>Type selection</td>
<td>9</td>
</tr>
<tr>
<td>Patch fittings Universal</td>
<td>10</td>
</tr>
<tr>
<td>Connectors Universal</td>
<td>12</td>
</tr>
<tr>
<td>Locks and strike boxes Universal</td>
<td>20</td>
</tr>
<tr>
<td>Glass preparation details – Universal Fittings</td>
<td>27</td>
</tr>
<tr>
<td>Glass preparation details – Universal Locks</td>
<td>35</td>
</tr>
<tr>
<td>Construction details Universal</td>
<td>37</td>
</tr>
<tr>
<td>Glass preparation details – Universal pinch free</td>
<td>38</td>
</tr>
<tr>
<td>Construction details Universal pinch free</td>
<td>41</td>
</tr>
<tr>
<td>Accessories</td>
<td>132</td>
</tr>
<tr>
<td>Safety-related information</td>
<td>157</td>
</tr>
</tbody>
</table>
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.
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 ≥ 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 ≥ 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

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

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

Art. No. 03.100

Art. No. 03.860

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

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

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

Art. No. 03.110

Art. No. 03.861

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

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

Art. No. 03.112

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

Not illustrated:
For 12 mm glass thickness,
only in satin stainless steel
For 15 and 19 mm glass
thickness. Please specify with
order.

Art. No. 03.120
Art. No. 03.863
Art. No. 03.282
Weight in kg:
aluminium 0.528
brass 0.654
stainless steel 0.636

PT 30 overpanel patch
with stop insert

Not illustrated:
For 12 mm glass thickness,
only in satin stainless steel
For 15 and 19 mm glass
thickness. Please specify with
order.

Art. No. 03.420
Art. No. 03.873
Art. No. 03.482
Weight in kg:
aluminium 0.528
brass 0.654
stainless steel 0.580

PT 30 overpanel patch
with blank insert

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

Art. No. 03.421
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.

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.

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
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Art. No. 01.134
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Art. No. 03.140
Not illustrated:
For 15 and 19 mm glass
thickness. Please specify with
order.

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.
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
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°

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°

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

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

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.

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

Art. No. *03.168 / 03.169
Weight in kg:
aluminium 1.200
stainless steel 1.522

Art. No. *03.164 / 03.165

Art. No. *03.464 / 03.465

Art. No. *03.166 / 03.167
Weight in kg:
aluminium 0.882
stainless steel 1.059

Art. No. 03.150

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

Also suitable for 12 mm glass thickness.

Art. No. *03.158 / 03.157
Weight in kg:
- aluminium 0.448
- stainless steel 0.600

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

Also suitable for 12 mm glass thickness.

Art. No. 03.159
Weight in kg:
- aluminium 0.645
- stainless steel 0.860

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

Not illustrated:
PT 60/61 for double or single action doors, with one stop insert and two blank inserts, angle 135°

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

Also suitable for 12 mm glass thickness.

Art. No. *03.454 / 03.455
Weight in kg:
- aluminium 0.251
- stainless steel 0.344

Art. No. *03.156 / 03.155
Weight in kg:
- aluminium 0.343
- stainless steel 0.435

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

Weight in kg:
aluminium 0.272
stainless steel 0.335

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

Art. No. 01.156

Weight in kg:
aluminium 0.272
stainless steel 0.335

Not illustrated:
angle 135°
angle 91° – 134° / 136° – 179° (glass preparation on request)

Also suitable for 12 mm glass thickness.

Overpanel-sidelight connector

Art No. 12.536

Weight in kg:
aluminium 0.146
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

Also suitable for 12 mm glass thickness.

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Weight in kg:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>aluminium</td>
</tr>
<tr>
<td>01.153</td>
<td>0.313</td>
</tr>
</tbody>
</table>

**Not illustrated:**

**Gasket**

- for 8 mm glass thickness
- for 12 mm glass thickness

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

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Weight in kg/m:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Aluminium</td>
</tr>
<tr>
<td>03.380</td>
<td>4.744</td>
</tr>
</tbody>
</table>

**Aluminium round profile**, as above,

- stock length 6000 mm (unprepared)

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Weight in kg/m:</th>
</tr>
</thead>
<tbody>
<tr>
<td>03.381</td>
<td></td>
</tr>
<tr>
<td>03.382</td>
<td></td>
</tr>
<tr>
<td>03.383</td>
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</tr>
</tbody>
</table>

- stock length 3000 mm (unprepared)
- stock length 2800 mm (unprepared)

Please indicate:

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

For 10 mm glass thickness

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

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

Prepared for KABA
For half profile cylinder

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

Art. No. 03.206
Art. No. 03.867
Art. No. 03.285
Art. No. 03.340
Art. No. 03.288
Art. No. 03.287

Lock keeper plate, stainless steel, two parts, adjustable ± 5 mm

Alternative (not illustrated):
Floor sockets (see accessories page 135)

Art. No. 05.190
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

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

Art. No. 03.230
Art. No. 03.870

GK 30 with stop

Fixing material see accessories page 138.

Art. No. *03.234/03.235

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

GK 20 with stop

Not illustrated:

For 12 mm glass thickness, only in satin stainless steel

GK 40 corner overpanel strike box to suit US 10 corner lock
Not illustrated:
GK 40 with stop

GK 41 strike box to suit US 10 corner lock, with fin fitting

GK 41 strike box with fin fitting on both sides

Art. No. 03.245
Weight in kg:
aluminium 0.844
brass 1.096
stainless steel 0.948

Art. No. 03.247
Weight in kg:
aluminium 1.490
brass 4.465

Art. No. 03.250
Weight in kg:
aluminium 0.754
brass 1.035
stainless steel 1.010

Art. No. *03.254 / 03.255
Weight in kg:
aluminium 0.754
brass 1.035
stainless steel 1.010

Art. No. *03.194 / 03.193
Weight in kg:
aluminium 0.906
stainless steel 1.270

Art. No. 03.195
Weight in kg:
aluminium 1.103
stainless steel 1.411

Art. No. 03.871
Weight in kg:
aluminium 0.844
brass 1.096
stainless steel 0.948

Art. No. 03.872
Weight in kg:
aluminium 0.709
brass 1.035
stainless steel 1.010

* 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

Not illustrated:
angle 135°, without stop

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>03.274/03.275</th>
</tr>
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<tbody>
<tr>
<td>Weight in kg:</td>
<td></td>
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<tr>
<td>aluminium</td>
<td>0.910</td>
</tr>
<tr>
<td>stainless steel</td>
<td>1.247</td>
</tr>
</tbody>
</table>

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

For 10 mm glass thickness

For 12 mm glass thickness, only in satin stainless steel

Not illustrated:
prepared for KABA

Prepared for half profile cylinder

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>03.215</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art. No.</td>
<td>03.345</td>
</tr>
<tr>
<td>Art. No.</td>
<td>03.868</td>
</tr>
<tr>
<td>Art. No.</td>
<td>03.290 / 03.289</td>
</tr>
</tbody>
</table>

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

| 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**
- Art. No. 01.200
- Complete with spindle insert for DORMA BTS floor spring
- Weight in kg:
  - Aluminium: 0.473
  - Stainless steel: 0.535

**Bottom patch**
- Art. No. 01.201
- Complete with pivot insert and pivot bearing, with cover plate, height adjustable by 5 mm; floor clearance see page 41
- Weight in kg:
  - Aluminium: 0.560
  - Stainless steel: 0.622

**Top patch fitting**
- Art. No. 01.210
- With pivot pin 15 mm Ø
- Weight in kg:
  - Aluminium: 0.453
  - Stainless steel: 0.526

**Overpanel patch**
- Art. No. 01.220
- With 15 mm Ø pivot pin and threaded hole at side
- 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 sidelight 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.
Length: up to 4500 mm (please specify height)

Art. No. 01.231

Length: 2250 mm

Art. No. 01.230

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 sidelight 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.

PT 42, GK 42

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

Scale 1 : 2

<table>
<thead>
<tr>
<th>Angle</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>179° – 105°</td>
<td>46 mm</td>
</tr>
<tr>
<td>104° – 91°</td>
<td>65 mm</td>
</tr>
</tbody>
</table>
PT 51
Overpanel fin fitting for back to back doors
Art. No. 03.160
Scale 1 : 2.5

PT 60/61, PT 62
Connectors for overpanels and sidelights
Art. No. 03.150
and connector with stop
Art. No. 03.173

Scale 1 : 2
Art. No. 03.157, 03.158
Glass preparation for fin fitting see PT 81
Art. No. 03.159, 03.452
Glass preparation for fin fitting both sides see PT 81

PT 70
Overpanel connector
Art. No. 01.150, 01.158

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

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 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
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.
RP

General information
44

Patch fittings RP
46

Accessories
132

Safety-related information
157
MARVELLOUSLY CONCEALED TRANSOM DOOR CLOSERS

The RP pivot door system works with a tubular transom profile in which the DORMA RTS transom closer is integrated and concealed. The system is fixed on the ceiling using brackets which are concealed after system installation. A top patch fitting (PT 22) attaches the all-glass door to the closer.

A bottom patch fitting (PT 10) connects the door to the floor pivot, which measures only a few centimetres. So glass thicknesses of 8 – 12 mm are feasible. The DORMA RTS transom closer not only returns the door to the zero position each time it is opened, it also has a special dampening system to protect the door against unwanted impact caused by over-aggressive opening. In addition, the integral hold-open, which also comes as standard, enables the door to be held open at an angle of 90°.

Transom tube configuration:

1 Transom tube for fixing on ceiling, as lintel or similar, max. length 3000 mm
2 Cover profile for door, clip-on, max. length 3000 mm
3 Cover plate with cut-out for door closer spindle, length 90 mm
4 Cover profile for fixed sidelights, clip-on, with glazing groove
5/6 Contact profile / glass wedge profile, depending on combination for 8, 10 or 12 mm glass thicknesses of the sidelight
7 Fixing bracket for securing transom tube and closer
**Type Selection**

**Options**
- Single leaf double-action door with transom tube
- Pair of double-action doors with transom tube
- Double-action door with through-running transom tube and fixed sidelight

**Materials and finishes**
- Aluminium, silver anodised EV 1, C 0 (101)
- Aluminium, similar satin stainless steel anodised (113)
- Aluminium, white powder coated, similar to RAL 9016 (300)
- Bespoke colour anodising (199)
- Bespoke powder coating (399)

**Door panel dimensions**
- Glass thicknesses: 8 / 10 / 12 mm
- Max. door weight: 80 kg
- Max. door width: 1100 mm
- Door height (H1): H – 56 mm

**Sidelight dimensions**
- Glass thickness: 8 / 10 / 12 mm with two-part sealing profile
- Sidelight height: H – 30 mm + floor pocket, where required
DOUBLE ACTION SYSTEM FOR GLASS DOORS

Double action system for glass doors complete, consisting of:
- 1 transom tube length 1000 mm;
- 1 cover profile length 1000 mm;
- 1 RTS 85 transom closer; EN3, hold open 90°
- 1 fixing bracket;
- 1 bottom patch fitting PT 10;
- 1 top patch fitting PT 22;
- 1 floor pivot bearing

Art. No. 01.300
Weight in kg: 8.083
1 Transom tube
for fixing at ceiling, as lintel, or similar,
stock length 6000 mm
in fixed lengths
Art. No. 01.301
Art. No. 01.311
Weight in kg/m: 1.620

2 Cover profile
for door area, clip-on
stock length 6000 mm
in fixed lengths
Art. No. 01.302
Art. No. 01.305
Weight in kg/m: 0.610

3 Cover plate
with cut-out for door closer spindle
length 90 mm
Art. No. 01.303
Weight in kg: 0.056

4 Cover profile with glass grove
to clip on Art.No. 01.301/311, to hold fixed sidelights inclusive
5/6 Contact profile or
glass wedge profile in 2 resp. 4 mm thicknesses,
depending on combination for 8, 10 or 12 mm glass thickness of the sidelight
stock length 6000 mm
in fixed lengths
Art. No. 01.304
Art. No. 01.314
Weight in kg/m: 0.810

7 Fixing bracket
for securing transom tube and closer
Art. No. 01.306
Weight in kg: 0.080
THE EXPANSIVE RANGE WITH SLIMLINE BODIES FOR OFFSET HUNG DOORS

EA patch fittings are characterized by their slim, neat shape and skilful 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 in toughened glass assemblies.

**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 10, 12 and 8 mm glass thicknesses**

DORMA EA patch fittings are available for 10 and 12 mm glass thicknesses. With additional gaskets these fittings can also be used for 8 mm glass.

**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 a variety of locks and strike boxes in a matching design concept, giving the designer plenty of choice from the options available.

**Virtually unlimited choice of colours and finishes**

EA corner patches are available in the following finishes:

- Aluminium, silver anodised EV 1, C 0 (101)
- Aluminium, similar satin stainless steel (107)
- Brass, polished chromed (501)
- Brass, polished (503)
- Bespoke colour anodising (199)

- Bespoke powder coating (399)

**Short delivery times**

All the common patterns and types are available ex-stock (factory). Specials will be prepared promptly.
OFFSET HUNG DOORS IN REBATED FRAMES
AND TOUGHENED GLASS ASSEMBLIES

Offset hung doors in rebated frames

max. door weight: 90 kg
max. door width: 1000 mm,
using a bottom door rail: 1100 mm

EA patch fittings for offset hung
doors in rebated frames are
supplied as standard prepared
for 24 mm rebate depth. They
can be prepared to suit rebate
depths from 15 – 23 mm, and
from 25 – 40 mm. Please spec-
ify rebate depth with order.

max. door weight for 25–40 mm
rebate depth: 80 kg
max. door width for 25–40 mm
rebate depth: 900 mm

For doors with max. weight
of 80 kg and max. width of
1000 mm use door rails.

The top centre frame portions
are prepared to suit wood and
steel frames. For aluminium
frames, please enquire, giving
details of aluminium system.

FT = rebate depth

Offset hung doors in
toughened glass assemblies

max. door weight: 100 kg
max. door width: 1100 mm

For door weights up to 100 kg
and widths up to 1200 mm,
door rails should be used.

EA patch fittings for offset hung
doors in toughened glass
assemblies have a 36 mm
offset (= 43 mm from pivot
point to glass surface).

Gap required between leaves on
pairs of doors

<table>
<thead>
<tr>
<th>Individual leaf width in mm</th>
<th>X = gap required in mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 – 600</td>
<td>8</td>
</tr>
<tr>
<td>600 – 1000</td>
<td>6</td>
</tr>
</tbody>
</table>

Torque for fixing screws
Screws M 8: 12 Nm
PATCH FITTINGS FOR OFFSET HUNG DOORS IN REBATED FRAMES WITH 24 MM REBATE DEPTH

For 10 mm glass thickness (42 mm offset = 49 mm from pivot point to glass surface), complete. For 12 mm glass thickness (40 mm offset = 47 mm from pivot point to glass surface), complete. Accessories see page 132.

**Bottom patch fitting**
- to suit DORMA floor spring spindle, or round pivot
- 14 mm Ø counter-plate reduced by 15 mm to give free glass edge at side
- For 10 mm glass thickness
- For 12 mm glass thickness

Art. No. *02.102 / 02.103
Art. No. *02.160 / 02.161

Weight in kg:
- aluminium 0.747
- brass 1.348

**Bottom patch fitting**
- to suit DORMA floor spring spindle, or round pivot
- 14 mm Ø counter-plate reduced by 15 mm to give free glass edge at side and bottom
- For 10 mm glass thickness
- For 12 mm glass thickness

Art. No. *02.104 / 02.105
Art. No. *02.162 / 02.163

Weight in kg:
- aluminium 0.715
- brass 1.308

**Top patch fitting**
- counter-plate reduced by 15 mm to give free glass edge at side
- For 10 mm glass thickness
- For 12 mm glass thickness

Art. No. *02.112 / 02.113
Art. No. *02.164 / 02.165

Weight in kg:
- aluminium 0.680
- brass 1.314

**Top patch fitting**
- counter-plate reduced by 15 mm to give free glass edge at side and top
- For 10 mm glass thickness
- For 12 mm glass thickness

Art. No. *02.114 / 02.115
Art. No. *02.166 / 02.167

Weight in kg:
- aluminium 0.644
- brass 1.271

*Order of Art.No.: Left hand / right hand – determined by view from hanging side. (Illustration shows right hand)
Overpanel patch fitting
counter-plate reduced by
15 mm to give free glass edge
at side, bushing outside Ø 20
mm, pivot Ø 15 mm
For 10 mm glass thickness
For 12 mm glass thickness

Art. No.* 02.122 / 02.123
Art. No.* 02.168 / 02.169

Weight in kg:
aluminium 0.654
brass 1.292

Top patch fitting
complete with pivot for frame
fixing, counter-plate reduced by
15 mm to give free glass edge
at side
For 10 mm glass thickness
For 12 mm glass thickness

Art. No.* 02.206 / 02.207
Art. No.* 02.170 / 02.171

Weight in kg:
aluminium 0.915
brass 1.821

* Order of Art. No.: Left hand / right hand – determined by view from hanging side.
(Illustration shows right hand)
PATCH FITTINGS FOR OFFSET HUNG DOORS IN REBATED FRAMES WITH VARIOUS FRAME STOP DEPTH

Please specify rebate depth with order.
Rebate depth X = distance between outer surface of frame and rebate/stop (15 to 23 resp. 25 to 40 mm).
Offset = rebate depth + 18 mm (33 to 41 resp. 43 to 58 mm). Complete, for 10 mm glass thickness.
Accessories see page 132.

Bottom patch fitting to suit DORMA floor spring spindle or round pivot 14 mm Ø, counter-plate reduced by 15 mm to give free glass edge at side
Art. No. *02.106 / 02.107
Weight in kg:
aluminium 0.832
brass 1.591

Bottom patch fitting to suit DORMA floor spring spindle or round pivot 14 mm Ø, counter-plate reduced by 15 mm to give free glass edge at side and bottom
Art. No. *02.108 / 02.109
Weight in kg:
aluminium 0.800
brass 1.548

Top patch fitting counter-plate reduced by 15 mm to give free glass edge at side
Art. No. *02.116 / 02.117
Weight in kg:
aluminium 0.760
brass 1.569

Top patch fitting counter-plate reduced by 15 mm to give free glass edge at side and top
Art. No. *02.118 / 02.119
Weight in kg:
aluminium 0.728
brass 1.526

* Order of Art.No.: Left hand / right hand – determined by view from hanging side.
(Illustration shows right hand)
Overpanel patch fitting
counter-plate reduced by
15 mm to give free glass edge
at side

Art. No. 02.124 / 02.125

Weight in kg:
aluminium 0.724
brass 1.502

Top patch fitting
complete with pivot for frame
fixing, counter-plate reduced by
15 mm to give free glass edge
at side

Art. No. *02.208 / 02.209

Weight in kg:
aluminium 0.995
brass 2.076

* Order of Art. No.: Left hand / right hand – determined by view from hanging side.
(Illustration shows right hand)
PATCH FITTINGS FOR OFFSET HUNG DOORS IN TOUGHENED GLASS ASSEMBLIES

(36 mm offset = 43 mm from pivot point to glass surface), complete, for 10 and 12 mm glass thickness.

**Bottom patch fitting**  
Art. No. *02.100 / 02.101  
Weight in kg:  
aluminium 0.730  
brass 1.276

**Top patch fitting**  
Art. No. *02.110 / 02.111  
Weight in kg:  
aluminium 0.660  
brass 1.243

**Overpanel patch fitting**  
bushing outside Ø 20 mm, pivot Ø 15 mm  
Art. No. *02.120 / 02.121  
Weight in kg:  
aluminium 0.637  
brass 1.193

**Patch fitting for overpanel and sidelight**  
bushing outside Ø 20 mm, pivot Ø 15 mm  
Art. No. *02.140 / 02.141  
Weight in kg:  
aluminium 0.832  
brass 1.409

* Order of Art.No.: Left hand / right hand – determined by view from hanging side.  
(Illustration shows right hand)
Top patch fitting
complete with pivot for sidelight

Art. No.: 02.200 / 02.201
Weight in kg:
aluminium 1.415
brass 2.581

Top patch fitting
complete with pivot for wall fixing

Art. No.: 02.202 / 02.203
Weight in kg:
aluminium 1.277
brass 2.528

Top patch fitting
complete with pivot for frame fixing

(For frames with rebate see page 58.)

Art. No.: 02.204 / 02.205
Weight in kg:
aluminium 0.895
brass 1.750

* Order of Art. No.: Left hand / right hand – determined by view from hanging side.
(Illustration shows right hand)
TOP CENTRES FOR WOOD AND STEEL FRAMES

Frame top centre with fixing block

Art. No. 02.150

Weight in kg:
aluminium 0.471
brass 0.977

If corner fittings / door rails are combined with frame top centres as described, please indicate rebate depth with order.

Frame top centre with angle bracket

Art. No. 02.151

Weight in kg:
aluminium 0.453
brass 0.959
**Frame top centre**
only for steel frames, with special wedge screw fixing

**Art. No. 02.152/02.153**

Weight in kg:
- aluminium: 0.390
- brass: 1.896

**Drill jig:**

**Art. No. 8.02.081.001.50**
**Bottom patch fittings**

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<thead>
<tr>
<th>Art. No.</th>
<th>Art. No.</th>
<th>left hand: right hand:</th>
</tr>
</thead>
<tbody>
<tr>
<td>02.100</td>
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<tr>
<td>02.102</td>
<td>02.103</td>
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<tr>
<td>02.106</td>
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<td>02.108</td>
<td>02.109</td>
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</tr>
<tr>
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<td>02.161</td>
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</tr>
<tr>
<td>02.162</td>
<td>02.163</td>
<td></td>
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</tbody>
</table>

Scale 1:2

**Top patch fittings**

<table>
<thead>
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<th>Art. No.</th>
<th>left hand: right hand:</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>02.112</td>
<td>02.113</td>
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<tr>
<td>02.114</td>
<td>02.115</td>
<td></td>
</tr>
<tr>
<td>02.116</td>
<td>02.117</td>
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<tr>
<td>02.118</td>
<td>02.119</td>
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<tr>
<td>02.164</td>
<td>02.165</td>
<td></td>
</tr>
<tr>
<td>02.166</td>
<td>02.167</td>
<td></td>
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</tbody>
</table>

Scale 1:2

**Overpanel patch fittings**

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Art. No.</th>
<th>left hand: right hand:</th>
</tr>
</thead>
<tbody>
<tr>
<td>02.120</td>
<td>02.121</td>
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<tr>
<td>02.122</td>
<td>02.123</td>
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<tr>
<td>02.168</td>
<td>02.169</td>
<td></td>
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</tbody>
</table>

Scale 1:2

**Patch fittings for overpanel and sidelight**

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Art. No.</th>
<th>left hand: right hand:</th>
</tr>
</thead>
<tbody>
<tr>
<td>02.140</td>
<td>02.141</td>
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</table>

Scale 1:2
TP/TA

General information, 64

Rail cross sections 66

Construction details 67

TP door rails for centre hung doors, pivot point 55/65 mm 68

TP door rails for centre hung doors, pivot point 18 mm 73

Rails for side panel 77

TA door rails for offset hung doors in toughened glass assemblies 79

TA door rails for offset hung doors in rebated frames, with free glass edge left and right 82

TA door rails for pairs of offset hung doors in rebated frames, with free glass edge on hanging side 84

Top centre frame portion 88

Alternative and special inserts 89

Accessories 132
TP/TA – DOOR RAILS WHICH LEAVE NOTHING TO BE DESIRED

TP/TA door and side panel rail coordinate in design, dimensions and finishes with all DORMA patch fittings. This creates the opportunity to specify fittings for the assembly which provide maximum protection and effective sealing of the lower glass edges. The provision of door rails allows the installation of extremely heavy-duty and wide doors.

Tamper resistant, with integral locks
The robust base rails are screwed together from alternate sides of the door at 150 mm centres. This makes unauthorised removal of the rail virtually impossible. All door rails are available with integral locks, prepared for profile cylinders and with security rosettes, or prepared for certain lever locks.

Special security- and quality characteristics
The particular feature of the locks with bottom or top locking bolt is a special corrosion and abrasion resistant bolt with integrated safety roll pin (hardened). By this the locks comply to DIN 18251, class 3 (according to type testing*) and the highest corrosion resistance according to EN 1670, class 4 is achieved. Furthermore the lock was tested successfully by a neutral testing institute with 500,000 latch and 100,000 locking bolt operating cycles.

Easy door adjustment – especially whilst hanging
Because TP/TA rails are a screw/clamp system, they have a great advantage over other systems. The rail can be adjusted up and down, and also side to side, to compensate for irregularities in the door opening. Also, the clip-on rail cover has advantages. Because the door can be hung and secured without it, the covers need not be fixed until the wet trades have finished and the cleaners have been through.

No glass preparation, firm fixing
DORMA-Glas has an intimate knowledge of the special properties of glass as a building material. This has led to the design of rails requiring no glass preparation – no holes, no cut-outs. Carefully considered and positive measures have been taken to create the maximum clamping surface with optimum clamping efficiency.

Two heights, length to order, to suit 10 mm or 8 mm and 12 mm glass thickness – further glass thicknesses and versions for bullet-proof glass on request
All TP/TA door rails are available in 100 mm (4”) or 76.5 mm (3”) heights, and in lengths to your order. They are supplied as standard for 10 mm glass thickness; but with replacement gasket they will suit 12 mm or 8 mm glass thicknesses. On request the door rails of 100 mm height can also be realised for 13.5/15/17/19 and 21 mm glass thicknesses. On request the door rails of 100 mm height can also be realised for 13.5 – 30 mm glass thicknesses.

Variable pivot point and absolute pinch free on door rails for centre hung doors TP
All the inserts for door rails in the TP/TA range have been designed and manufactured to give two options in the pivot point distance from the sidepanel or frame.

Reliability built in
Quality materials and thorough workmanship mean that TP/TA rails have the features necessary to meet the most demanding of specifications.

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

Finishess
Special coatings are required at extreme environment conditions (i.e. coastal areas).

*Extract from DIN 18251, class 3: type-test with 50,000 locking bolt operating cycles.
### TECHNICAL SPECIFICATIONS

#### Glass size – height:

**Rail height – 100 mm**

<table>
<thead>
<tr>
<th>Use of rail(s)</th>
<th>Total door height less</th>
</tr>
</thead>
<tbody>
<tr>
<td>bottom</td>
<td>75.0 mm</td>
</tr>
<tr>
<td>top</td>
<td>75.0 mm</td>
</tr>
<tr>
<td>bottom + top</td>
<td>150.0 mm</td>
</tr>
</tbody>
</table>

**Rail height – 76.5 mm**

<table>
<thead>
<tr>
<th>Use of rail(s)</th>
<th>Total door height less</th>
</tr>
</thead>
<tbody>
<tr>
<td>bottom</td>
<td>56.5 mm</td>
</tr>
<tr>
<td>top</td>
<td>56.5 mm</td>
</tr>
<tr>
<td>bottom + top</td>
<td>113.0 mm</td>
</tr>
</tbody>
</table>

#### Gap required between pairs of doors:

**Centre hung doors X = 4 mm**

<table>
<thead>
<tr>
<th>Individual leaf width</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>over 1000 mm</td>
<td>4 mm</td>
</tr>
<tr>
<td>1000 – 600 mm</td>
<td>6 mm</td>
</tr>
<tr>
<td>600 – 400 mm</td>
<td>8 mm</td>
</tr>
</tbody>
</table>

**Offset hung doors**

RTS = transom closer  
(for details see Technical Information RS).

### Maximum dimensions for use of bottom door rails in combination with top door rails or top patch fittings

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Bottom door rail standard</th>
<th>Bottom door rail special type with bottom strap in forged steel</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>weight [kg]</td>
<td>width [mm]</td>
<td>height [mm]</td>
</tr>
<tr>
<td>Door rails for centre hung doors, combined with ...</td>
<td>110</td>
<td>1200</td>
<td>3000</td>
</tr>
<tr>
<td>... Patch fittings Universal</td>
<td>●</td>
<td>100</td>
<td>1100</td>
</tr>
<tr>
<td>... Patch fittings EP Universal pinch free**</td>
<td>●</td>
<td>120</td>
<td>1200</td>
</tr>
<tr>
<td>... Door rails standard</td>
<td>●</td>
<td>100</td>
<td>1200</td>
</tr>
<tr>
<td>Door rails for offset hung doors in toughened glass assemblies, combined with ...</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>... Patch fittings EA</td>
<td>●</td>
<td>90</td>
<td>1100</td>
</tr>
<tr>
<td>... Door rails standard</td>
<td>●</td>
<td>90</td>
<td>1100</td>
</tr>
<tr>
<td>Door rails for offset hung doors in rebated frames (24 mm/26 mm rebate depth), combined with ...</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>... Patch fittings EA</td>
<td>●</td>
<td>80</td>
<td>1000</td>
</tr>
<tr>
<td>... Door rails standard</td>
<td>●</td>
<td>80</td>
<td>1000</td>
</tr>
</tbody>
</table>

Torque for fixing screws: Screws M 8 : 20 Nm
AGILE Aluminium profile brush seal to prevent draughts and energy loss (not in the area of inserts, locks, etc.), connected with door rail at manufacturer

Art. No. 04.600
Weight in kg/m: 0.753

Rubber sealing for door rails (also in the area of inserts, locks, etc.)
fixed length
stock length 200 m (= 1 coil)

Art. No. 04.607
Art. No. 04.608
Weight in kg/m: 0.099
CONSTRUCTION DETAILS

Centre hung doors

Offset hung door in toughened glass assembly

Offset hung door in rebated frame with 24 mm rebate depth

Pair of offset hung doors in rebated frame with 24 mm rebate depth

Pair of offset hung doors in rebated frame with 24 mm rebate depth (also available with inserts for centre hung doors), with electric strike release and latch bolt
DOOR RAILS FOR CENTRE HUNG DOORS

Pivot point 55/65 mm
Complete, for 10 mm glass thickness

**Bottom rail**
with stainless steel insert to suit
DORMA floor spring spindle or
round pivot 14 mm Ø
100 mm:
76.5 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>04.101</th>
<th>04.001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight in kg/m</td>
<td>100</td>
<td>76.5</td>
</tr>
<tr>
<td>aluminium</td>
<td>5.131</td>
<td>4.029</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.070</td>
<td>4.833</td>
</tr>
</tbody>
</table>

...with floor locking lock, pre-
pared for Europrofile cylinder,
single throw with corrosion
resistant bolt and hardened
safety roll pin
100 mm:
76.5 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>04.111</th>
<th>04.011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight in kg/m</td>
<td>100</td>
<td>76.5</td>
</tr>
<tr>
<td>aluminium</td>
<td>5.466</td>
<td>4.364</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.520</td>
<td>5.283</td>
</tr>
</tbody>
</table>

Not illustrated:
...with floor locking lock pre-
pared for KABA, single throw
with corrosion resistant bolt and
hardened safety roll pin
100 mm:
76.5 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>04.163</th>
<th>04.063</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight in kg/m</td>
<td>100</td>
<td>76.5</td>
</tr>
<tr>
<td>aluminium</td>
<td>5.466</td>
<td>4.364</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.520</td>
<td>5.283</td>
</tr>
</tbody>
</table>

...with side locking lock, pre-
pared for Europrofile cylinder,
double throw
100 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>04.121</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight in kg/m</td>
<td>100 mm</td>
</tr>
<tr>
<td>aluminium</td>
<td>5.364</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.418</td>
</tr>
</tbody>
</table>
Bottom rail with latch lock at side for electric strike release and floor locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin. The use of latch lock or electric strike release results from a single action door situation.

Art. No. *04.191 / 04.193
Weight in kg/m:
aluminium 6.667
stainless steel 8.335

...with electric strike release at side (Standard: fail secure function, 6 to 12 V --/~) and floor locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin. The use of latch lock or electric strike release result from a single action door situation.

Art. No. *04.196 / 04.198
Weight in kg/m:
aluminium 5.586
stainless steel 6.640

* Left/right hand (illustration shows right hand) are determined by view from hanging side.
Top rail
with insert to take 15 mm Ø
pivot pin
100 mm:
76.5 mm

Art. No. 04.102
Art. No. 04.002

Weight in kg/m
100 mm 76.5 mm
aluminium 4.979 3.877
stainl. steel 5.918 4.681

...and top locking lock, prepared
for Europrofile cylinder, single
throw with corrosion resistant
bolt and hardened safety roll pin
100 mm:
76.5 mm

Art. No. 04.112
Art. No. 04.012

Weight in kg/m
100 mm 76.5 mm
aluminium 5.314 4.212
stainl. steel 6.368 5.131

Not illustrated:
...with top locking lock prepared
for KABA, single throw with
corrosion resistant bolt and
hardened safety roll pin
100 mm:
76.5 mm

Art. No. 04.164
Art. No. 04.064

Weight in kg/m
100 mm 76.5 mm
aluminium 5.314 4.212
stainl. steel 6.368 5.131
Top rail
with side locking lock, prepared for Europrofile cylinder, double throw
100 mm:

Art. No. 04.122
Weight in kg/m:
aluminium 5.212
stainless steel 6.266

...with latch lock at side for electric strike release and top locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin. The use of latch lock or electric strike release results in a single action door situation.

Art. No. *04.192 / 04.194
Weight in kg/m:
aluminium 6.592
stainless steel 8.148

...with electric strike release at side (Standard: fail secure function, 6 to 12 V –/–) and top locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin. The use of latch lock or electric strike release results in a single action door situation.

Art. No. **04.197 / 04.199
Weight in kg/m:
aluminium 6.492
stainless steel 8.048

...with latch lock, locking to ceiling, prepared for Europrofile cylinder, single throw (necessary stop on site). The use of latch lock or electric strike release (on site) results in a single action door situation.

Art. No. 04.118
Weight in kg/m:
aluminium 5.294
stainless steel 6.348

* Left / right hand (illustration shows left hand) are determined by view from hanging side.

** Left / right hand (illustration shows right hand) are determined by view from hanging side.
Top rail
with insert for DORMA RTS transom closer
100 mm:
76.5 mm:

Art. No. 04.106
Art. No. 04.006

<table>
<thead>
<tr>
<th>Weight in kg/m</th>
<th>100 mm</th>
<th>76.5 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.145</td>
<td>4.043</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.207</td>
<td>4.847</td>
</tr>
</tbody>
</table>

...and top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin
100 mm:
76.5 mm:

Art. No. 04.116
Art. No. 04.016

<table>
<thead>
<tr>
<th>Weight in kg/m</th>
<th>100 mm</th>
<th>76.5 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.480</td>
<td>4.378</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.657</td>
<td>5.297</td>
</tr>
</tbody>
</table>

Not illustrated:
...with top locking lock prepared for KABA, single throw with corrosion resistant bolt and hardened safety roll pin
100 mm:
76.5 mm:

Art. No. 04.167
Art. No. 04.067

<table>
<thead>
<tr>
<th>Weight in kg/m</th>
<th>100 mm</th>
<th>76.5 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.480</td>
<td>5.145</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.655</td>
<td>6.207</td>
</tr>
</tbody>
</table>

...and side locking lock, prepared for Europrofile cylinder, double throw
100 mm:

Art. No. 04.126

Weight in kg/m:
aluminium      5.378
stainless steel 6.555

Not illustrated:
Gasket

Art. No. 01.900
Art. No. 01.901

to suit 8 mm glass thickness
(1 m = 1 pc.)
to suit 12 mm glass thickness
(1 m = 1 pc.)
DOOR RAILS FOR CENTRE HUNG DOORS

Pivot point 18 mm
Complete, for 10 mm glass thickness

Bottom rail
with DORMA floor spring
spindle insert
100 mm:
76.5 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Weight in kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 mm</td>
</tr>
<tr>
<td>04.103</td>
<td>aluminium</td>
</tr>
<tr>
<td></td>
<td>stainl. steel</td>
</tr>
</tbody>
</table>

...with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin
100 mm:
76.5 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Weight in kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 mm</td>
</tr>
<tr>
<td>04.113</td>
<td>aluminium</td>
</tr>
<tr>
<td></td>
<td>stainl. steel</td>
</tr>
</tbody>
</table>

Not illustrated:
...with floor locking lock prepared for KABA, single throw (not illustrated) with corrosion resistant bolt and hardened safety roll pin
100 mm:
76.5 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Weight in kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 mm</td>
</tr>
<tr>
<td>04.165</td>
<td>aluminium</td>
</tr>
<tr>
<td></td>
<td>stainl. steel</td>
</tr>
</tbody>
</table>

...with side locking lock, prepared for Europrofile cylinder, double throw
100 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Weight in kg/m:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>aluminium</td>
</tr>
<tr>
<td></td>
<td>stainl. steel</td>
</tr>
</tbody>
</table>
...prepared for floor bearing
100 mm:
76.5 mm:

Art. No. 04.107
Art. No. 04.007

<table>
<thead>
<tr>
<th>Weight in kg/m</th>
<th>100</th>
<th>76.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.334</td>
<td>3.898</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.425</td>
<td>5.056</td>
</tr>
</tbody>
</table>

Bottom rail with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin, prepared for floor bearing
100 mm:
76.5 mm:

Art. No. 04.117
Art. No. 04.017

<table>
<thead>
<tr>
<th>Weight in kg/m</th>
<th>100</th>
<th>76.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.334</td>
<td>4.243</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.425</td>
<td>5.056</td>
</tr>
</tbody>
</table>

Not illustrated:
...with floor locking lock
prepared for KABA, single throw with corrosion resistant bolt and hardened safety roll pin, prepared for floor bearing
100 mm:
76.5 mm:

Art. No. 04.168
Art. No. 04.068

<table>
<thead>
<tr>
<th>Weight in kg/m</th>
<th>100</th>
<th>76.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.334</td>
<td>4.243</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.425</td>
<td>5.056</td>
</tr>
</tbody>
</table>

...with side locking lock, prepared for Europrofile cylinder, double throw, prepared for floor bearing
100 mm:

Art. No. 04.127

<table>
<thead>
<tr>
<th>Weight in kg/m:</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
</tr>
<tr>
<td>stainless steel</td>
</tr>
</tbody>
</table>
Top rail
with 15 mm Ø pivot pin
100 mm: 76.5 mm:

Art. No. 04.104
Art. No. 04.004

<table>
<thead>
<tr>
<th></th>
<th>100</th>
<th>76.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.000</td>
<td>3.908</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>5.975</td>
<td>4.606</td>
</tr>
</tbody>
</table>

...and top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin
100 mm:
76.5 mm:

Art. No. 04.114
Art. No. 04.014

<table>
<thead>
<tr>
<th></th>
<th>100</th>
<th>76.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.335</td>
<td>4.243</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.425</td>
<td>5.056</td>
</tr>
</tbody>
</table>

Not illustrated:
...with top locking lock
prepared for KABA, single throw with corrosion resistant bolt and hardened safety roll pin
100 mm:
76.5 mm:

Art. No. 04.166
Art. No. 04.066

<table>
<thead>
<tr>
<th></th>
<th>100</th>
<th>76.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.335</td>
<td>4.243</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.425</td>
<td>5.056</td>
</tr>
</tbody>
</table>

...with side locking lock, prepared for Europrofile cylinder, double throw
100 mm:

Art. No. 04.124

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.233</td>
</tr>
<tr>
<td>stainless steel</td>
<td>6.323</td>
</tr>
</tbody>
</table>
RADIUSED EDGING STRIP

Acryl, transparent, to clamp onto free glass edge. For optimal pinch protection. For application with door rails with 18 mm pivot point.

Radiused edging strip
Please indicate door height and type of fitting with order.

up to 4500 mm length
fixed length: 2250 mm

Art. No. 01.231
Art. No. 01.230

Notice:
When radiused edging strip is used the following glass measurement is valid:
door rail width – 5 mm.
RAILS FOR SIDE PANEL

complete, for 10 mm glass thickness

**Bottom rail for side panel,**
up to approx. 6000 mm long
with rail filler insert 7 mm
100 mm:
76.5 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Weight in kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>04.301</td>
<td>5.604</td>
</tr>
<tr>
<td>04.201</td>
<td>6.494</td>
</tr>
</tbody>
</table>

...with electric stike release
(standard: fail secure function,
6 to 12 V –/–), door width up
to 1200 mm (> 1200 mm on request)
100 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Weight in kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>04.0311/04.313</td>
<td>5.116</td>
</tr>
<tr>
<td></td>
<td>6.055</td>
</tr>
</tbody>
</table>

...with strike-box for side bolt locking, door width up
to 1200 mm (> 1200 mm on request)
100 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Weight in kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>04.315</td>
<td>4.979</td>
</tr>
<tr>
<td></td>
<td>5.918</td>
</tr>
</tbody>
</table>

**Top rail for side panel,**
up to approx. 6000 mm long
with rail filler insert 3 mm
100 mm:
76.5 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Weight in kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>04.302</td>
<td>5.441</td>
</tr>
<tr>
<td>04.202</td>
<td>6.331</td>
</tr>
</tbody>
</table>

*Left / right hand (illustration shows right hand) are determined by view from hanging side.*
...with electric strike release
(standard: fail secure function,
6 to 12 V –~/–)
100 mm:

Art. No. *04.312 / 04.314

Weight in kg/m:
aluminium 5.578
stainless steel 6.468

...with strike-box for side bolt
locking
100 mm:

Art. No. 04.316

Weight in kg/m:
aluminium 5.441
stainless steel 6.331

* Left / right hand (illustration shows right hand) are determined by view from hanging side.
DOOR RAILS FOR OFFSET HUNG DOORS IN TOUGHENED GLASS ASSEMBLIES WITHOUT REBATED FRAMES

Complete, for 10 mm glass thickness, strap 34 mm, without free glass edges, pivot point to glass surface 43 mm

---

**Bottom rail**

100 mm:  
76.5 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>04.131 / 04.133</th>
<th>04.031 / 04.033</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight in kg/m</td>
<td>100</td>
<td>76.5</td>
</tr>
<tr>
<td>aluminium</td>
<td>5.359</td>
<td>4.257</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.792</td>
<td>5.555</td>
</tr>
</tbody>
</table>

...with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin

100 mm:  
76.5 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>04.151 / 04.153</th>
<th>04.051 / 04.053</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight in kg/m</td>
<td>100</td>
<td>76.5</td>
</tr>
<tr>
<td>aluminium</td>
<td>5.694</td>
<td>4.592</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>7.242</td>
<td>6.005</td>
</tr>
</tbody>
</table>

...with side locking lock, prepared for Europrofile cylinder, double throw

100 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>04.171 / 04.173</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight in kg/m:</td>
<td></td>
</tr>
<tr>
<td>aluminium</td>
<td>5.592</td>
</tr>
<tr>
<td>stainless steel</td>
<td>7.140</td>
</tr>
</tbody>
</table>

...with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and latch bolt at side for electric strike release

100 mm:

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>04.179 / 04.181</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight in kg/m:</td>
<td></td>
</tr>
<tr>
<td>aluminium</td>
<td>6.890</td>
</tr>
<tr>
<td>stainless steel</td>
<td>8.563</td>
</tr>
</tbody>
</table>

* Left / right hand (illustration shows right hand) are determined by view from hanging side.
Bottom rail with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and electric strike release at side (Standard: fail secure function, 6 to 12 V –/–)
100 mm:

Art. No. *04.183 / 04.185
(for Art. No. 4.181 / 04.179)

Weight in kg/m:
aluminium 5.837
stainless steel 7.385

Top rail
100 mm:
76.5 mm:

Art. No. *04.132 / 04.134
Art. No. *04.032 / 04.034

<table>
<thead>
<tr>
<th>Weight in kg/m</th>
<th>100</th>
<th>76.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.289</td>
<td>4.187</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.759</td>
<td>5.522</td>
</tr>
</tbody>
</table>

...with top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin
100 mm:
76.5 mm:

Art. No. *04.152 / 04.154
Art. No. *04.052 / 04.054

<table>
<thead>
<tr>
<th>Weight in kg/m</th>
<th>100</th>
<th>76.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.624</td>
<td>4.522</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>7.209</td>
<td>5.972</td>
</tr>
</tbody>
</table>

...with side locking lock, prepared for Europrofile cylinder, double throw
100 mm:

Art. No. *04.172 / 04.174

<table>
<thead>
<tr>
<th>Weight in kg/m</th>
<th>100</th>
<th>76.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.522</td>
<td></td>
</tr>
<tr>
<td>stainless steel</td>
<td>7.107</td>
<td></td>
</tr>
</tbody>
</table>

* Left / right hand (illustration shows right hand) are determined by view from hanging side.
**Top rail**
with top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and latch bolt at side for electric strike release 100 mm:

Art. No. **04.180 / 04.182**

<table>
<thead>
<tr>
<th>Material</th>
<th>Weight in kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>6.820</td>
</tr>
<tr>
<td>stainless steel</td>
<td>8.530</td>
</tr>
</tbody>
</table>

Left / right hand (illustration shows right hand) are determined by view from hanging side.

**Top rail**
...with top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and electric strike release (Standard: fail secure function, 6 to 12 V –/~) 100 mm:

Art. No. *04.184 / 04.186*
(for Art. No. 04.182 / 04.180)

<table>
<thead>
<tr>
<th>Material</th>
<th>Weight in kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.767</td>
</tr>
<tr>
<td>stainless steel</td>
<td>7.352</td>
</tr>
</tbody>
</table>

Left / right hand (illustration shows left hand) are determined by view from hanging side.
DOOR RAILS FOR OFFSET HUNG DOORS IN REBATED FRAMES

With 24 mm rebate depth
Complete, for 10 mm glass thickness, strap 40 mm, with free glass edge left and right, pivot point to glass surface 50 mm

<table>
<thead>
<tr>
<th>Bottom rail</th>
<th>Art. No.</th>
<th>100 mm:</th>
<th>76.5 mm:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>04.135 / 04.137</td>
<td>5.251</td>
<td>4.181</td>
</tr>
<tr>
<td></td>
<td>04.035 / 04.037</td>
<td>6.602</td>
<td>5.407</td>
</tr>
</tbody>
</table>

...with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin

<table>
<thead>
<tr>
<th>Bottom rail</th>
<th>Art. No.</th>
<th>100 mm:</th>
<th>76.5 mm:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>04.155 / 04.157</td>
<td>5.586</td>
<td>4.516</td>
</tr>
<tr>
<td></td>
<td>04.055 / 04.057</td>
<td>7.052</td>
<td>5.857</td>
</tr>
</tbody>
</table>

* Left / right hand (illustration shows right hand) are determined by view from hanging side.
Top rail
100 mm:
76.5 mm:

Art. No.* 04.136 / 04.138
Art. No.* 04.036 / 04.038

<table>
<thead>
<tr>
<th>Weight in kg/m</th>
<th>100 mm</th>
<th>76.5 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.181</td>
<td>4.111</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.569</td>
<td>5.374</td>
</tr>
</tbody>
</table>

...with top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin
100 mm:
76.5 mm:

Art. No.* 04.156 / 04.158
Art. No.* 04.056 / 04.058

<table>
<thead>
<tr>
<th>Weight in kg/m</th>
<th>100 mm</th>
<th>76.5 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.516</td>
<td>4.446</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>7.019</td>
<td>5.824</td>
</tr>
</tbody>
</table>

* Left / right hand (illustration shows right hand) are determined by view from hanging side.
DOOR RAILS FOR OFFSET HUNG DOORS IN REBATED FRAMES

With 24 mm rebate depth
Complete, for 10 mm glass thickness, strap 40 mm, with 15 mm free glass edge of hanging stile, pivot point to glass surface 50 mm

Bottom rail
100 mm:
76.5 mm:

Art. No. *04.139 / 04.141
Art. No. *04.039 / 04.041

Weight in kg/m:
100 mm:
76.5 mm:

aluminium 5.305 4.219
stainl. steel 6.507 5.482

...with floor locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin
100 mm:
76.5 mm:

Art. No. *04.159 / 04.161
Art. No. *04.059 / 04.061

Weight in kg/m:
100 mm:
76.5 mm:

aluminium 5.640 4.554
stainl. steel 6.957 5.932

...with side locking lock, prepared for Europrofile cylinder, double throw
100 mm:

Art. No. *04.175 / 04.177

Weight in kg/m:
aluminium 5.538
stainless steel 6.855

* Left / right hand (illustration shows right hand) are determined by view from hanging side.
Bottom rail
with floor locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and latch lock at side for electric strike release 100mm:

Art. No. *04.143 / 04.145

Weight in kg/m:
aluminium 5.803
stainless steel 7.306

...with floor locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and electric strike release at side (Standard: fail secure function, 6 to 12 V –/–) 100 mm:

Art. No. *04.147 / 04.149

Weight in kg/m:
aluminium 5.653
stainless steel 7.150

* Left / right hand (illustration shows right hand) are determined by view from hanging side.
Top rail
100 mm:  
76.5 mm:

Art. No. *04.140 / 04.142
Art. No. *04.040 / 04.042

<table>
<thead>
<tr>
<th>Weight in kg/m</th>
<th>100 mm</th>
<th>76.5 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.235</td>
<td>4.149</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.474</td>
<td>5.449</td>
</tr>
</tbody>
</table>

...with top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin
100 mm: 
76.5 mm:

Art. No. *04.060 / 04.062

<table>
<thead>
<tr>
<th>Weight in kg/m</th>
<th>100 mm</th>
<th>76.5 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>5.570</td>
<td>4.484</td>
</tr>
<tr>
<td>stainl. steel</td>
<td>6.924</td>
<td>5.899</td>
</tr>
</tbody>
</table>

...with side locking lock, prepared for Europrofile cylinder, double throw
100 mm:

Art. No. *04.176 / 04.178

Weight in kg/m:
aluminium 5.468
stainless steel 6.822

* Left / right hand (illustration shows right hand) are determined by view from hanging side.
Top rail
with top locking lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and latch bolt at side for electric strike release 100 mm:

Art. No. **04.144 / 04.146

Weight in kg/m:
aluminium 5.733
stainless steel 7.236

...with top locking bolt lock, prepared for Europrofile cylinder, single throw with corrosion resistant bolt and hardened safety roll pin and electric strike release at side (Standard: fail secure function, 6 to 12 V –/–) 100 mm:

Art. No. **04.148 / 04.150
(for Art. No. 04.182 / 04.180)

Weight in kg/m:
aluminium 5.583
stainless steel 7.080

* Left / right hand (illustration shows left hand) are determined by view from hanging side.

** Left / right hand (illustration shows right hand) are determined by view from hanging side.
TOP CENTRE FRAME PORTION

Frame top centre with fixing block

Art. No. 02.150

Weight in kg:
aluminium 0.471

Frame top centre with angle bracket

Art. No. 02.151

Weight in kg:
aluminium 0.453

Frame top centre with special wedge screw fixings

Art. No. *02.152 / 02.153

Weight in kg:
aluminium 0.390

Drill jig:
Art. No. 8.02.081.001.50

Frame top centre AT 212 GSR with fixing plate

Art. No. *02.340 / 02.341

Weight in kg:
stainless steel 0.215

* Left / right hand (illustration shows right hand) are determined by view from hanging side.
**SPECIAL ACCESSORIES AND SPECIAL INSERTS FOR DOOR RAILS**

- **Aluminium profile with brush seal** to prevent draughts and energy loss (not in the area of inserts, locks, etc.), connected with door rail at manufacturer
  - Art. No. 04.600
  - Weight in kg/m: 0.753

- **Rubber sealing** for door rails (also in the area of inserts, locks, etc.)
  - fixed length
  - stock length 200 m (= 1 coil)
  - Art. No. 04.607
  - Art. No. 04.608
  - Weight in kg/m: 0.099

- **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).
  - Please indicate:
    - Panel height (max. 2500 mm, higher dim. on request)
    - Required preparation of the profile for top and bottom fittings
  - fixed length
  - stock length 6000 mm (not prepared)
  - stock length 3000 mm (not prepared)
  - Art. No. 03.380
  - Art. No. 03.381
  - Art. No. 03.382
  - Weight in kg/m: aluminium 4.744

- **Screw-on floor bearing** for damp environment, without floor recess, with inserts for door rails, max. 80 kg
  - Art. No. 01.136
  - Weight in kg: 0.193
**Bottom insert** for DORMA floor spring spindle profile or round pivot 14 mm Ø, (DORMA floor spring BTS or floor bearing Art. No. 01.106 and 01.107), stainless steel, 55/65 mm pivot point, max. door weight 80 kg

**Art. No. 04.604**

Weight in kg: 0.243

**Bottom strap**, steel, zinc plated, with spindle insert to suit DORMA floor springs, 18 mm pivot point, max. door weight 80 kg

**Art. No. 804.167.001.55**

Weight in kg: 0.349

**Bottom strap**, aluminium, to suit floor bearings 01.106 and 01.107, 18 mm pivot point, max. door weight 80 kg

**Art. No. 804.060.002.50**

Weight in kg: 0.129

**Bottom strap in forged steel** special edition, mounted in door rails, to suit DORMA floor spring spindles. (Also suitable for floor bearing 04.602, 04.603. Not suitable for floor bearing with round pivot.)

For centre hung doors
- normal frequented doors, max. door weight 150 kg, max. door width 1400 mm
- high frequented doors, max. door weight 120 kg, max. door width 1200 mm

Pivot point either 55 or 65 mm (please specify with order).

**Art. No. 04.605**

Weight in kg: 0.385
Top insert
55/65 mm pivot point, aluminium
Art. No. 04.610
Weight in kg: 0.091

Top insert, two part, aluminium, special, 55/65 mm pivot point (not in standard door rail)
Art. No. 04.606
Weight in kg: 0.088

Top insert
for DORMA RTS transom closer, zinc plated steel, 65 mm pivot point
Art. No. 04.611
Weight in kg: 0.240

Top strap
aluminium, 18 mm pivot point
Art. No. 804.060.001.50
Weight in kg: 0.131
VISUR

General information 94

Technical details 96

Complete sets 97

Components 99

Accessories 132

Safety-related information 157
VISUR
PUREST CLARITY

All-glass double-action doors without any visible fixings? Meet VISUR, a system patented for DORMA that secures double-action glass doors without the need for any visually disruptive functional elements. VISUR presents the door in perfect transparency. Rather than cluttering the clear outline of the leaf, the hardware components are all located in the surrounding structures. This absence of fittings means that the all-glass double-action door will match any room style, making the VISUR system a real boon to interior architecture.

100 % TRANSPARENT
100 % DURABLE

Frameless from top to toe – that’s the VISUR’s claim to fame, making life easier for architects and specifiers alike. Because they can choose any material and any colour for the surrounding structures. The VISUR system simply remains a discrete presence, fitting in with every design idea and reflecting it to maximum advantage.

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

In the case of VISUR all-glass double-action door, the closing function is performed invisibly by the transom-concealed RTS 85 EN 3 door closer. This not only reliably returns the door to its zero position after each opening action, but also – thanks to special check back damping – protects the leaf from careless impact arising from excessive opening force. Thanks to a hold-open feature included as standard, the door can also be retained at an opening angle of 90°. Clampable projections – leaf-integral ‘tongues’ – provide the mating connection for the concealed pivot fittings top and bottom. Hidden within the floor is the bottom bearing housing with the pivot bearing mounting designed for an offset of 65 mm. The depth of installation is 64 mm and the diameter of the bearing housing is just 126 mm.

SCOPE OF DELIVERY

1 transom tube for installation under the ceiling
1 part for max. panel width 1100 mm
2 parts for max. panel width 2 x 1100 mm
2 glass clamping piece top
3 glass clamping piece bottom
4 cover profile parts for door closer pivot pin 90 mm
5 bottom bearing housing with cover ring
6 cover caps
7 RTS 85 EN 3, 90° retainer
8 transom tube cover
**Materials and finishes**
- Aluminium, silver anodised
- 114, alumin. EV1-Deco,

**Dimensions**
- Glass thickness: 10 / 12 mm
- max. door panel weight: 85 kg
- max. door panel width (B1): 1100 mm
- max. door panel height (H1): 2500 mm

**Calculation of glass measurements:**
- \( H1 = H - 114 \)
- \( B1 \) single leaf = \( B - 10 \)
- \( B1 \) double leaf = \( \frac{B - 15}{2} \)

**Design of the top glass 'tongue' and the bottom glass 'tongue' is alike**
VISUR COMPLETE SETS

Complete set for single leaf doors incl. transom tube, RTS 85, top and bottom pivot

Art. No. 03.770

for double leaf door

Art. No. 03.771

Attention:
Please indicate with your order clear width in mm

Complete set for single leaf doors with fixed sidelight, incl. transom tube, RTS 85, top and bottom pivot

Art. No. 03.790

for double leaf door with fixed sidelight

Art. No. 03.791

Attention:
Please indicate with your order the clear width and the width of sidelights and doors in mm
VISUR COMPLETE SETS

Complete set for single leaf doors with two fixed sidelights, incl. transom tube, RTS 85, top and bottom pivot

Attention: Please indicate with your order the clear width and the width of sidelights and doors in mm

Art. No. 03.792

do. for double leaf door with two fixed sidelights

Attention: Please indicate with your order the clear width and the width of sidelights and doors in mm

Art. No. 03.793
VISUR COMPONENTS

**VISUR set** composed of RTS 85, top and bottom pivot  
Art. No. 03.772

**VISUR set** composed of top and bottom pivot, (without RTS 85)  
Art. No. 03.773

**VISUR transom tube profile** for single leaf doors  
(max. 1100 mm door panel width), in fixed length  
(please indicate with your order the clear width in mm)  
Art. No. 03.775

**VISUR transom tube profile** for double leaf doors  
(max. 2 x 1100 mm door panel width), in fixed length  
(please indicate with your order the clear width in mm)  
Art. No. 03.776

**VISUR transom tube profile** in stock length 6000 mm  
Art. No. 03.777

**VISUR transom tube cover profile** for single leaf doors  
(max. 1100 mm door panel width), in fixed length  
(please indicate with your order the clear width in mm)  
Art. No. 03.778

**VISUR transom tube cover profile** for double leaf doors  
(max. 2 x 1100 mm door panel width), in fixed length  
(please indicate with your order the clear width in mm)  
Art. No. 03.779

**VISUR transom tube cover profile** in stock length 6000 mm  
Art. No. 03.780

**Floor doorstop**  
Art. No. 29.950

**Wall doorstop, short**  
Art. No. 29.951

**Wall doorstop, long**  
Art. No. 29.952
BEYOND

General information 102
Short pivoting rod 104
Continuous pivoting rod 106
Glass preparation 108

Accessories 132
Safety-related information 157
SYSTEMATIC DESIGN

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

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

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

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

The patented BEYOND swing door system with its pivot point located centrally in the glass axis and close to the glass edge ensures safety and security.

The alternative options of elegant, continuous pivot rod or smart short rod make the system suitable for any room situation. And with a choice of pull handles or lock/lever handle combinations, BEYOND enables the realisation of your design ideas.
SHORT PIVOT ROD

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

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

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

For maximum values please see the typical assemblies.

Note:
Overpanel fitting wall connector max. 1200 mm door width; overpanel fitting glass connector max. 1000 mm door width.

<table>
<thead>
<tr>
<th>Basic set for individual door.</th>
<th>Basic set and over panel fitting wall connector for door with over panel.</th>
<th>Basic set and over panel fitting wall connector for door with over panel and side panel on pivot point side.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For installation in masonry.</td>
<td>Optionally with side panel on closing side.</td>
<td>Optionally with side panel on closing side.</td>
</tr>
<tr>
<td>Max door weight 80 kg</td>
<td>Max door weight 80 kg</td>
<td>Max door weight 80 kg</td>
</tr>
</tbody>
</table>

For maximum values please see the typical assemblies.
FITTINGS AND GLASS Connector

**BEYOND basic set:**

Pivoting fitting set, short type, comprising
- 1 top pivot fitting with pivot Ø 15 mm,
- 1 bottom pivot fitting with insert for DORMA floor spring spindle (90° turnable, e.g. DORMA BTS 80) or round pivot

For 10 mm glass Art. No. 30.100
For 12 mm glass Art. No. 30.101

**BEYOND overpanel fitting,**

wall connector,
with plastic socket for top pivot

For 10 mm glass Art. No. 30.120
For 12 mm glass Art. No. 30.121

**BEYOND overpanel fitting,**

glass connector,
with plastic socket for top pivot

For 10 mm glass Art. No. 30.130
For 12 mm glass Art. No. 30.131

**BEYOND glass connector,**

plastic, black, for connection of side panel at closing side

For 10 and 12 mm glass Art. No. 30.320
The BEYOND swing door system with continuous rod offers complete freedom from the risk of trapped fingers. By locating the pivot point of the swing door right at the glass edge and providing a round profile, the nip hazard is reduced to zero.

For the floor mounting of single-action, and particularly double-action doors, the DORMA BTS floor spring offers a convenient alternative to the DORMA floor pivot. Since with the BTS floor spring the position of the pivot point requires it to be buried under the adjacent wall, the use of a glass side panel is recommended in this case.

As with the short-rod model, the top connection depends on the type of unit. Toughened glass assemblies are fitted with an over panel pivot fitting, whereas with doors in wall openings a top pivot bearing with ceiling fixing is used. Load transfer from the over panel and side panel can be effected by means of wall adapter profiles.

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

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

Finishes for fittings and accessories: aluminium anodised, EV1-Deco (114) or similar to satin stainless steel (107).

For maximum values please see the typical assemblies.

Note:
Overpanel fitting wall connector max. 1200 mm door width; overpanel fitting glass connector max. 1000 mm door width.

### Basic fitting for individual door
For installation in masonry.
Max. door weight 80 kg

### Basic fitting and over panel fitting wall connector for door with over panel
Optionally with side panel on closing side.
Max. door weight 80 kg

### Basic fitting and over panel fitting wall connector for door with over panel and side panel on pivot point side
Optionally with side panel on closing side.
FITTINGS AND GLASS CONNECTOR

BEYOND basic fitting:
Pivoting fitting, long type, with pivot Ø 15 mm at top and insert for DORMA floor spring spindle (90° turnable, e. g. DORMA BTS 80) or round pivot at bottom

for 10 mm glass Art. No. 30.110
for 12 mm glass Art. No. 30.111

Please indicate exact door height = glass measurement with order.

BEYOND overpanel fitting, wall connector, with plastic socket for top pivot

for 10 mm glass Art. No. 30.120
for 12 mm glass Art. No. 30.121

BEYOND overpanel fitting, glass connector, with plastic socket for top pivot

for 10 mm glass Art. No. 30.130
for 12 mm glass Art. No. 30.131

BEYOND glass connector, plastic, black, for connection of side panel at closing side

for 10 and 12 mm glass Art. No. 30.320

BEYOND anti-vibration device for pivot fitting, long

for 10 mm glass Art. No. 30.034
for 12 mm glass Art. No. 30.035
GLASS PREPARATION

Overpanel-sidelight connector  Art No. 12.536

Weight in kg:
aluminium  0.146

Pivoting fitting set, short type
Drawing shows the bottom glass penetration.
Top edge of glass is prepared accordingly.

Art. No. 30.100
Art. No. 30.101
Pivoting fitting, long type
Drawing shows the bottom glass penetration.
Top edge of glass is prepared accordingly.
Art. No. 30.110
Art. No. 30.111

Overpanel fitting
Wall connector and glass connector
Art. No. 30.120
Art. No. 30.121
Art. No. 30.130
Art. No. 30.131
SG

General information
112

Universal locks and strike boxes
112

Corner, locks and strike boxes
117

Corner locks w/o glass preparation
119

Centre locks and strike boxes
120

Locks and strike boxes with electric strike release
123

Locks with panic function
125

Glass preparation
127

Accessories
132
... A RANGE OF LOCKS FOR ALL REQUIREMENTS

It doesn’t matter what sort of glass door needs securing, what function it has to fulfill, or the type of fittings specified – there will be a lock in the SG range which will provide the shape, the function and the finish which you require.

Simple glass preparation, firm fixing
DORMA-Glas has an intimate knowledge of the special properties of glass as a building material. This has led to the design of locks requiring only simple cut-outs or holes in the glass. Carefully considered and positive measures have been taken to create the maximum clamping surface with optimum clamping efficiency.

Reliability built in
Quality materials and thorough workmanship mean that SG locks have the features necessary to meet the most demanding of specifications. Many satisfied customers will testify this. For safety reasons set lock case always on inside.

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

UNIVERSAL TOP, BOTTOM, CENTRE LOCKS AND STRIKE BOXES WITH GLASS CUT-OUTS

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. for 10 mm glass thickness for 15 and 19 mm glass thicknesses (please specify with order)

For 10 mm glass thickness
Art. No. 03.206

For 12 mm glass thickness, only in satin stainless steel
Art. No. 03.867

Not illustrated:
prepared for KABA
for 10 mm glass thickness
Art. No. 03.340

For half profile cylinder
left hand top/right hand bottom for 10 mm glass thickness
Art. No. 03.288

Not illustrated:
left hand bottom/right hand top for 10 mm glass thickness
Art. No. 03.287

Weight in kg:
aluminium 0.942
brass 1.061
stainless steel 1.053

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

Art. No. 03.206
Art. No. 03.867
Art. No. 03.340
Art. No. 03.288
Art. No. 03.287

* 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 500,000 latch and 100,000 locking bolt operating cycles.
**GK 30**

*single overpanel strike box*

to suit US 10 corner lock

For 10 mm glass thickness

Art. No. 03.230

For 12 mm glass thickness, only in satin stainless steel

Art. No. 03.870

Weight in kg:
- aluminium 0.418
- stainless steel 0.536

**GK 30**

*with stop*

Art. No. 03.234 / 03.235

**Fixing plate**

for overpanel strike box GK 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

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

*Left / right hand (illustration shows left hand) are determined by view from hanging side.*
GK 20 double overpanel strike box to suit US 10 corner locks, consisting of two GK 30 with threaded connecting bolt for 10 mm glass thickness

for 12 mm glass thickness, only in satin stainless steel

Art. No. 03.245
Art. No. 03.871
Weight in kg:
aluminium 0.866
brass 1.154
satin stainless steel 1.200

GK 20 with stop

Art. No. 03.247
Weight in kg:
aluminium 0.926
brass 1.234
satin stainless steel 1.192

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

Art. No. 03.250
Weight in kg:
aluminium 0.709
brass 1.035
stainless steel 1.010

GK 40 with stop

Art. No. *03.254 / 03.255
Weight in kg:
aluminium 0.769
stainless steel 1.082

GK 41 strike box for PT 41, with fin fitting

Art. No. *03.194 / 03.193
Weight in kg:
aluminium 0.906
stainless steel 1.270

* Left / right hand (illustration shows left hand) are determined by view from hanging side.
**GK 41 strike box**
with fin fitting on both sides

Art. No. 03.195

Weight in kg:
- aluminium: 1.103
- stainless steel: 1.411

**GK 42 strike box**, angle 90°, for PT 42,
with stop inside

Art. No. *03.274 / 03.275

Weight in kg:
- aluminium: 0.910
- stainless steel: 1.306

Not illustrated:
**GK 42**, angle 135°

Art. No. *03.276 / 03.277

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

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:
preparation for KABA

Art. No. 03.345

Weight in kg:
- aluminium: 0.942
- brass: 1.061
- stainless steel: 1.053

Prepared for one-sided Europrofile cylinder (see drawing 03.215)

Art. No. *03.290 / 03.289

Weight in kg:
- aluminium: 0.805
- stainless steel: 0.925

---

* Left / right hand (illustration shows left hand) are determined by view from hanging side.

** 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 500,000 latch and 100,000 locking bolt operating cycles.
**GK 50 strike box**

to suit US 20 centre lock

For 10 mm glass thickness

- **Art. No. 03.224**
  - Weight in kg:
    - aluminium: 0.602
    - brass: 0.730
    - stainless steel: 0.727

For 12 mm glass thickness

only in satin stainless steel

- **Art. No. 03.869**
CORNER (OR CENTRE) LOCKS AND STRIKE BOXES WITH DRILLED HOLES GLASS PREPARATION

Complete for 8, 10 and 12 mm glass thickness

Corner lock, for vertical or horizontal fixing, double throw, bolt projection 20 mm, hardened oval bolt, prepared for Europrofile cylinder

Art. No. 05.100
Weight in kg:
aluminium 0.849
brass 1.033

Not illustrated:
prepared for KABA

Art. No. 05.105
Weight in kg:
aluminium 0.842
brass 1.020

Art. No. 05.116
Weight in kg:
aluminium 0.858
brass 1.038

Not illustrated:
prepared for one-sided Europrofile cylinder, lockable from inside
**Corner lock,** prepared for Europrofile cylinder, rose inside

Art. No. 05.118

Weight in kg:
- aluminium 0.924
- brass 1.236

**Corner lock,** for vertical fixing, double throw, bolt projection 20 mm, hardened oval bolt, counterplate shortened to give 15 mm free glass edge, prepared for Europrofile cylinder

Art. No. 05.103

Not illustrated:
- prepared for one-sided Europrofile cylinder, lockable from inside

Art. No. 05.117

Weight in kg:
- aluminium 0.818
- brass 0.984

Art. No. 05.119

Weight in kg:
- aluminium 0.882
- brass 1.184

**Strike box**

to suit corner lock (05.100, 05.105, 05.116), for single door without stop

Art. No. 05.108

Not illustrated:
- with stop
  - for Art. No. 05.103, 05.117, 05.119

Art. No. 05.109

Weight in kg:
- aluminium 0.264
- brass 0.760

**Strike box**

for corner lock (05.100, 05.116), for double doors without stop

Art. No. 05.110

Not illustrated:
- with stop
  - for Art. No. 05.100, 05.105, 05.116, 05.118

Art. No. 05.111

Weight in kg:
- aluminium 0.770
CORNER LOCKS WITHOUT GLASS PREPARATION

Complete, for 10 mm glass thickness

Slide over corner lock
for retro-fitting, double throw,
bolt projection 20 mm,
hardened oval bolt, prepared for
Europrofile cylinder

for 10 mm glass thickness  Art. No. 05.106
for 12 mm glass thickness  Art. No. 05.130

Weight in kg:
aluminium 0.740

Not illustrated:
prepared for KABA

for 10 mm glass thickness  Art. No. 05.107
for 12 mm glass thickness  Art. No. 05.131

Weight in kg:
aluminium 0.735

Slide over strike box
for slide over corner lock
for single door

for 10 mm glass thickness  Art. No. 05.112
for Art. No. 05.106/05.107

for 12 mm glass thickness  Art. No. 05.132
for Art. No. 05.130/05.131

Weight in kg:
aluminium 0.341

Slide over strike box
for slide over corner lock
for double doors

for 10 mm glass thickness  Art. No. 05.113
for Art. No. 05.106/05.107

for 12 mm glass thickness  Art. No. 05.133
for Art. No. 05.130/05.131

Weight in kg:
aluminium 0.737
CENTRE LOCKS AND STRIKE BOXES

Centre locks and strike boxes with drilled holes glass preparation

Complete, for 10 mm glass thickness

not available in aluminium mill finish (100)

Centre lock
for double action door,
prepared for Europrofile cylinder,
double throw

Art. No. *11.216 / 11.217
Weight in kg:
aluminium 1.070

Not illustrated:
prepared for KABA

Art. No. *11.250/11.251
Weight in kg:
aluminium 1.063

Strike box
to suit centre locks for:
Art. No. 11.216, 11.217,
Art. No. 11.250, 11.251

Art. No. *11.218 / 11.219
Weight in kg:
aluminium 0.965

* Left / right hand (illustration shows left hand) are determined by view from hanging side.

* Left / right hand (illustration shows left hand) are determined by view from hanging side.
Centre lock
for single action door (with free glass edge), prepared for Europrofile cylinder, double throw

Not illustrated:
prepared for KABA

Weight in kg: aluminium 1.060

Art. No. *11.252 / 11.253
Weight in kg: aluminium 1.053

Strike box
to suit centre locks for:
Art. No. 11.220, 11.221,
Art. No. 11.254, 11.255

Art. No. *11.222 / 11.223
Weight in kg: aluminium 0.980

Centre lock
for single action door (with free glass edge), with both latch and lock bolt, prepared for lever on round rose inside, smooth blanking plate outside, prepared for Europrofile cylinder, double throw

Not illustrated:
prepared for KABA

Art. No. *11.224 / 11.225
Weight in kg: aluminium 1.175

Weight in kg: aluminium 1.168

Strike box
to suit centre locks for:
Art. No. 11.224, 11.225,
Art. No. 11.254, 11.255

Art. No. *11.203 / 12.207
Weight in kg: aluminium 0.945

Lever handle, for inside
to suit centre locks for:
Art. No. 11.224, 11.225,
Art. No. 11.254, 11.255

Art. No. 11.226
Weight in kg: aluminium 0.195

If used on glass doors in rebated frames, a minimum of 28 mm frame depth is needed.

* Left / right hand (illustration shows left hand) are determined by view from hanging side.
Centre lock, with lockable latch, nightlatch function (suitable for aluminium lever handles with round roses), prepared for Europrofile cylinder

Art. No. *05.210 / 05.211
Weight in kg: aluminium 1.350

Strike box to suit centre locks (nightlatch function) for
Art. No. 05.210/05.211

Art. No. *05.212 / 05.213
Weight in kg: aluminium 0.900

Hook lock for sliding doors, nightlatch function, suitable for aluminium lever handles with round roses (10.307), prepared for Europrofile cylinder, left hand and right hand, with lock keeper plate

Art. No. 05.200
Weight in kg: aluminium 1.325

Suitable for lever handles with follower

Art. No. 05.202
Weight in kg: aluminium 1.325

Strike box to suit hook lock, (05.200, 05.202), non-handed

Art. No. 05.201
Weight in kg: aluminium 0.890

* Left / right hand (illustration shows left hand) are determined by view from hanging side.
LOCKS AND STRIKE BOXES WITH ELECTRIC STRIKE RELEASE

for 10 mm glass thickness

** Left / right hand are determined by view from hanging side.

*** All centre locks and strike boxes with midrail are also available with free glass edge. Please give details with order.

**** Angel bracket (05.218/05.219) for door opening outwards (optional)

***** Recess for electric strike release cable

---

**Centre lock**
complete with midrail, with latch and lock bolt, for inward opening single action doors, prepared for lever on round rose inside, smooth blanking plate outside, prepared for Europrofile cylinder

- Midrail 800 – 1200 mm: Art. No. *05.220/05.221*
- Midrail up to 799 mm: Art. No. *05.232/05.233*

**Strike box,**
complete with midrail, with electric strike release
(Standard: Fale secure function, 6 to 12 V –/–, with mechanical unlock. Further types on request.)
To suit centre lock with midrail for:
- Art. No. 05.220/05.221
- Art. No. 05.232/05.233
- Art. No. 05.256/05.257

- Midrail 800 – 1200 mm: Art. No. *05.222 / 05.223*
- Midrail up to 799 mm: Art. No. *05.234 / 05.235*

**Not illustrated:**
prepared for KABA
- Midrail 800 – 1200 mm: Art. No. *05.256 / 05.257*
- Midrail up to 799 mm: Art. No. *05.236 / 05.237*

**Weight in kg/m:**
- aluminium 7.018
- aluminium 5.928
- aluminium 7.011
- aluminium 6.523

**Suitable lever handles**
see page 103
Art. No. *11.226/11.227*

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DORMA 123
Centre lock  
Art. No. *05.224 / 05.225 
with latch and lock bolt, for inward opening single action doors, prepared for lever on round rose inside, smooth blanking plate outside, prepared for Europrofile cylinder 
Weight in kg: aluminium 1.090

Not illustrated: prepared for KABA 
Art. No. *05.258 / 05.259 
Weight in kg: aluminium 1.083

Strike box, to suit centre lock with latch and lock bolt, with electric strike release (Standard: fail secure function, 6 to 12 V –/–, with mechanical unlock. Further types on request.) for Art. No. 05.224, 05.225, 05.258, 05.259 
Art. No. *05.226 / 05.227 
Weight in kg: aluminium 0.595

Angle bracket for centre locks (opening to outside) 
Art. No. *05.218 / 05.219 
Weight in kg: 0.040

* Left / right hand are determined by view from hanging side. 
** Angle bracket (05.218/05.219) for door opening outwards (optional)
LOCKS WITH PANIC FUNCTION, OPENING TO OUTSIDE

for 10 mm glass thickness

**Operation outside:** Bolt is unlocked by turn of key, and latch is withdrawn by follower.

**Operation inside:** Lock can be operated by rose lever handle or panic push bar even when bolt is locked.

---

Not for emergency exit doors according to German Standard DIN EN 179 or DIN EN 1125 (corresponding modifications in preparation)

For best protection against burglary we recommend the use of the angle bracket (05.218/05.219)

**Centre lock**
with both latch and lock bolt,
rose lever on inside and fixed knob (without function) on outside. Prepared for Europrofile cylinder with roses

**Art. No.** 05.240 / 05.241

Weight in kg:
aluminium 1.706

---

**For strike boxes with electric strike release**

**Centre lock**
with both latch and lock bolt, with angled cover, for door opening outwards (not shown), rose lever on inside and fixed knob (without function) on outside. Prepared for Europrofile cylinder with roses.

Lockable into strike boxes with electric strike release for Art. No. 05.226/05.227

**Art. No.** 05.244 / 05.245

Weight in kg:
aluminium 2.900

---

**Centre lock complete** with midrail, with latch and lock bolt, with angled cover, for door opening outwards (not shown), rose lever on inside and fixed knob (without function) on outside. Prepared for Europrofile cylinder with roses.

Lockable into strike boxes with electric strike release for Art. No. 05.222/05.223, for Art. No. 05.234/05.235

Midrail 800 – 1200 mm
Midrail up to 799 mm

**Art. No.** 05.246 / 05.247
**Art. No.** 05.248 / 05.249

Weight in kg/m:
aluminium 7.500

---

Additional solutions with panic function for glassdoors you can find in the technical documentation of PHA 2000 and Exit Pad DORMA 125

* Left / right hand are determined by view from hanging side.
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, 03.246, 03.247
Scale 1 : 2

GK 40 (PT 40)
Corner overpanel strike box
Art. No. 03.250, 03.254, 03.255
Scale 1 : 2
**GK 41**

Strike box with fin fitting inside  
Art. No. 03.193, 03.194  

*Scale 1 : 2*

---

**GK 42**

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

*Scale 1 : 2*

Glass preparation examples for overpanel patch with angled connector Art. No. 03.276, 03.277 available on request.
GLASS PREPARATION FOR CORNER, CENTRE LOCKS AND STRIKE BOXES, REQUIRING DRILLED HOLES

US 20, GK 50

Centre lock
Art. No. 03.215, 03.289, 03.290, 03.345
and strike box for centre lock
Art. No. 03.224

Scale 1 : 2

Corner locks
Art. No. 05.100, 05.103, 05.105, 05.116, 05.117, 05.118, 05.119

Scale 1 : 2

Strike boxes
Art. No. 05.108, 05.109

Scale 1 : 2

Strike boxes
Art. No. 05.110, 05.111

Scale 1 : 2
GLASS PREPARATION FOR CENTRE LOCKS AND STRIKE BOXES, REQUIRING DRILLED HOLES

Centre locks

Strike boxes for centre locks
Art. No. 11.206, 11.207, 11.218, 11.219, 11.222, 11.223

Scale 1 : 2

Centre locks with nightlatch function, hook bolts and strike boxes
Art. No. 05.200, 05.201, 05.202, 05.210, 05.211, 05.212, 05.213

Scale 1 : 2
Centre locks and strike boxes with midrails

Art. No. 05.220, 05.221, 05.222, 05.223, 05.246, 05.247, 05.256, 05.257

Scale 1 : 4

Centre locks with latch and lock bolts, and strike boxes

Art. No. 05.224, 05.225, 05.226, 05.227, 05.240, 05.241, 05.244, 05.245, 05.258, 05.259,

Scale 1 : 2
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>General information</td>
<td>134</td>
</tr>
<tr>
<td>Floor bearings, Lock keeper plate, Floor sockets</td>
<td>135</td>
</tr>
<tr>
<td>Top bearings, pivots</td>
<td>136</td>
</tr>
<tr>
<td>Wall connection and cylinders</td>
<td>138</td>
</tr>
<tr>
<td>Profiles, Pull handle, handle bars</td>
<td>139</td>
</tr>
<tr>
<td>Clamping fittings</td>
<td>143</td>
</tr>
<tr>
<td>Universal gasket sets</td>
<td>145</td>
</tr>
<tr>
<td>Wall connecting profile system, U-profile</td>
<td>146</td>
</tr>
<tr>
<td>Accessories for door closer</td>
<td>154</td>
</tr>
<tr>
<td>Safety-related information</td>
<td>157</td>
</tr>
</tbody>
</table>
Original accessories for patch fittings, door rails and locks, matched to the DORMA-Glas product range, are available.

They ideally complement the range of DORMA-Glas hardware to optimise the technical excellence and cost effectiveness of toughened glass systems of all types.

Aside from functional components such as special floor pivots – including models for wet rooms – DORMA also offers a choice of security-relevant options. Their installation further enhances the exceptional functional efficiency, reliability and long service life expected of DORMA-Glas systems.
**Floor pivot bearing**
with round pivot 14 mm Ø, and cover plate; height adjustable by 5 mm max. door weight 100 kg

Art. No. 01.106
Weight in kg:
- aluminium 0.155
- brass 0.170
- stainless steel 0.169

**Floor pivot bearing**
with round pivot 14 mm Ø and pin 24 mm Ø max. door weight 100 kg

Art. No. 01.107
Weight in kg: 0.078

**Floor bearing**
with DORMA profile spindle (longer spindle on request), max. door weight 200 kg Stainless steel, max. door weight 200 kg

Art. No. 04.602
Weight in kg: 0.254
Art. No. 04.603
Weight in kg: 0.256

**Floor pivot bearing**
for damp environments, with insert for Universal for mounting onto floor surface max. door weight 80 kg

Art. No. 01.137
Weight in kg: 0.195

**Lock keeper plate**, stainless steel, two parts, adjustable ± 5 mm

Art. No. 05.190
Weight in kg: 0.048

**Floor socket**, zinc coated brass for lock bolt

Art. No. 05.192
Weight in kg: 0.020

**Floor socket**, aluminium, with spring and plastic stopper, dirt protection

Art. No. 05.193
Weight in kg: 0.026

**Eccentric socket**, eccentric, zinc coated brass, with adjustable plastic socket insert

Art. No. 05.194
Weight in kg: 0.020
TOP BEARING, PIVOTS

**PT 21 frame portion**
- Top centre with removable pin
- 15 mm Ø

Art. No. 01.117

Weight in kg: 0.335

**PT 21 frame portion**
- Top centre with removable pin
- 15 mm Ø, with cover plate

Art. No. 01.118

Weight in kg: 0.345

**PT 24 pivot**
- 15 mm Ø, with fixing plate,
  material thickness 6 mm,
  to let into ceiling

Art. No. 01.116

Weight in kg: aluminium 0.058

**PT 24 pivot**
- 15 mm Ø, with fixing plate,
  material thickness 3 mm,
  to screw on the ceiling

Art. No. 01.123

Weight in kg: aluminium 0.042
  stainless steel 0.074

**PT 25 pivot**
- 15 mm Ø with plug

Art. No. 01.115

Weight in kg: 0.044

**Loose pivot pin**
- for interface between patch and rail

Art. No. 04.601

Weight in kg: 0.050
**Top pivot bearing,**
brass, nickel plated,
for installation in frame or ceiling for 15 mm Ø pivot pin

**Art. No. 01.129**

Weight in kg: 0.065

**Top pivot bearing,**
aluminium, for installation in frame or ceiling for 15 mm Ø pivot pin

**Art. No. 01.130**

Weight in kg: 0.018

**Top pivot bearing**
with steel fixing plate,
for 15 mm Ø pivot pin

**Art. No. 01.131**

Weight in kg: 0.160

**Top pivot bearing**
with aluminium fixing plate,
for 15 mm Ø pivot pin

**Art. No. 01.132**

Weight in kg: 0.099

**Combination**

**BEYOND and DORMA BTS**

(door closer available from DORMA Door Control Division)

With the BTS floor spring, the position of the pivot point means that the unit has to be buried under the adjacent wall, or that the glass side screen has to be appropriately machined (see adjacent detail). The height of the recess cut into the glass will need to be adapted to the installation situation and the means by which the side screen is fixed.
### WALL CONNECTION AND CYLINDERS

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Art. No.</th>
<th>Weight in kg:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixing plate for overpanel patch PT 30 and overpanel strike box GK 30</td>
<td>03.128</td>
<td>aluminium 0.016&lt;br&gt;brass 0.038</td>
</tr>
<tr>
<td>Stainless steel not available, satin chrome on brass supplied.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fixing plate for overpanel patches from EP and EA program</td>
<td>01.127</td>
<td>aluminium 0.019&lt;br&gt;brass 0.045</td>
</tr>
<tr>
<td>Stainless steel not available, satin chrome on brass supplied.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wall anchor with thread M 8 for overpanel patch</td>
<td>01.133</td>
<td>0.040</td>
</tr>
<tr>
<td>Threaded rod M 8 with plug for overpanel patch</td>
<td>01.134</td>
<td>0.032</td>
</tr>
<tr>
<td>Profile cylinder length 61 mm, differently keyed, with DORMA Logo</td>
<td>05.001</td>
<td></td>
</tr>
<tr>
<td>Profile cylinder length 61 mm, equally keyed, with DORMA Logo</td>
<td>05.002</td>
<td></td>
</tr>
<tr>
<td>Half-profile cylinder length 31 mm, differently keyed, with DORMA Logo</td>
<td>05.003</td>
<td></td>
</tr>
<tr>
<td>Half-profile cylinder length 31 mm, equally keyed, with DORMA Logo</td>
<td>05.004</td>
<td></td>
</tr>
</tbody>
</table>
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). Please indicate:
- Panel height (max. 2500 mm, higher dim. on request)
- Required preparation of the profile for top and bottom fittings

Fixed length
Stock length 6000 mm
Stock length 3000 mm

Art. No. 03.380
Art. No. 03.381
Art. No. 03.382

Weight in kg/m:
aluminium 4.744

Radiused edging strip
for fittings with 15 mm/18 mm pivot point. For pinch free doors, (strip is clamped onto free glass edge), Acrylic.

Length: up to 4500 mm (specify height)
Length: 2250 mm

Art. No. 01.230
Art. No. 01.231

Weight in kg/m: 0.408

Single pull handle fixings
20 mm Ø hole prep. required

Art. No. 13.001

Weight in kg:
aluminium 0.135

Back to back pull handle fixings
20 mm Ø hole prep. required

Art. No. 13.002

Weight in kg:
aluminium 0.249
**ARCOS handle bar**

350 mm
2 hole fixing for 8, 10 and 12 mm glass thickness

Art. No. 26.500
Weight in kg: aluminium 1.660

750 mm
2 hole fixing for 8, 10 and 12 mm glass thickness

Art. No. 26.510
Weight in kg: aluminium 3.260

**Pair of handle bars**

length 350 mm
2 hole fixing for 8, 10 and 12 mm glass thickness

satin stainless steel

Art. No. 21.267
Weight in kg: stainless steel 1,254

aluminium

Art. No. 03.400
Weight in kg: aluminium 1,326

**Pair of handle bars**

length 720 mm,
2 hole fixing for 8, 10 and 12 mm glass thickness

satin stainless steel

Art. No. 21.270
Weight in kg: stainless steel 1,947

aluminium

Art. No. 03.402
Weight in kg: aluminium 2,423
Conversion set 1 for glass doors,
pair of pull handles satin stainless steel / knob back-to-back
door thicknesses 13.5–21.5 mm

door thickness 15 mm:

Art. No. 21.285
without distance washer
with 1 distance washer
with 2 distance washer
with 3 distance washer

Pair of handle bars
length 1760 mm
4 hole fixing for 8, 10 and 12 mm glass thickness

Art. No. 21.286
without distance washer
with 1 distance washer
with 2 distance washer
with 3 distance washer

Conversion set 2 for timber doors,
pair of pull handles satin stainless steel / knob back-to-back
door thicknesses 20–40 mm

door thickness 20 mm:

Art. No. 21.285
without distance washer
with 1 distance washer
with 2 distance washer
with 3 distance washer
with 4 distance washer

Pair of handle bars
length 1240 mm
3 hole fixing for 8, 10 and 12 mm glass thickness

Art. No. 21.273
without distance washer
with 1 distance washer
with 2 distance washer
with 3 distance washer

Art. No. 21.276
without distance washer
with 1 distance washer
with 2 distance washer
with 3 distance washer
with 4 distance washer

Conversion set 1 for glass doors,
pair of pull handles satin stainless steel / knob back-to-back
door thicknesses 13.5–21.5 mm

door thickness 17.5 mm:

door thickness 19 mm:
Handle bar „Square“
Aluminium
double sided, for 8–10 mm
glass thickness

2 hole fixing 300 mm  
Art. No. 75.084  
Weight in kg: 1.174

2 hole fixing 500 mm  
Art. No. 75.085  
Weight in kg: 1.605

Lockable back to back handle bar
for 6–16 mm glass,
1225 mm, with 2 fixings,
complete with closing device
and cylinder

Art. No. 21.279

BEYOND handle bar
for 10 an 12 mm glass,
two hole fixing

Length (L) 450 mm  
Art. No. 30.300

Length (L) 600 mm  
Art. No. 30.305

Length (L) 900 mm  
Art. No. 30.310
CLAMPING FITTINGS

Important information:
For free hanging mounting of glass please use safety clamping fittings. Torque for fixing screws 15 Nm (M 6=Allan key size 5). 20 kg load for each clamping fitting.

PT 90 Screw on fitting  
Art. No. 07.021  
Weight in kg:  
aluminium 0.120  
brass 0.160  
stainless steel 0.155

PT 91 corner fitting  
Art. No. 07.023  
Weight in kg:  
aluminium 0.120  
brass 0.160  
stainless steel 0.155

Side connector  
with fixing plate  
Art. No. 01.153  
Also suitable for 12 mm glass thickness  
Weight in kg:  
aluminium 0.313  
stainless steel 0.376

Overpanel-sidelight connector  
Art. No. 12.536  
Weight in kg:  
aluminium 0.146

Glass preparation see page 31.
Clamping fitting, right angle with screw thread M 6

- for 8 mm glass thickness:
  - Art. No. 07.008
  - Weight in kg: aluminium 0.185

- for 10 mm glass thickness:
  - Art. No. 07.009
  - Weight in kg: aluminium 0.181

- for 12 mm glass thickness:
  - Art. No. 07.010
  - Weight in kg: aluminium 0.180

Threaded bolt M 6 x 70 mm, zinc plated

- Art. No. 07.020
- Weight in kg: aluminium 0.012

Clamping fitting, aluminium, with passage hole for M 6 thread

- for 8 mm glass thickness:
  - Art. No. 07.037
  - Art. No. 07.038
  - Art. No. 07.039
  - Weight in kg: aluminium 0.180

**USAGE AND ASSEMBLY OF FINS**

Fins see pages 12–17 and 21. Other assemblies on request.

Fin fittings and corner connectors do not have a supporting structure. Overpanels, sidelights and fins have to be fixed securely to the ceiling by DORMA wall connecting profiles or similar systems.
### UNIVERSAL GASKET SETS

#### Gasket sets for 12 mm glass thickness

<table>
<thead>
<tr>
<th>Application</th>
<th>Art. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>for PT10/20/22/29/30/GK30</td>
<td>03.900</td>
</tr>
<tr>
<td>for US 10/20/GK50</td>
<td>03.901</td>
</tr>
<tr>
<td>for PT40/41/42/GK40/41/42</td>
<td>03.902</td>
</tr>
<tr>
<td>for PT51</td>
<td>03.903</td>
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<tr>
<td>for PT60/61/62</td>
<td>03.904</td>
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<tr>
<td>for PT70/71</td>
<td>03.905</td>
</tr>
<tr>
<td>for PT80/81</td>
<td>03.906</td>
</tr>
<tr>
<td>for PT80 semi-high</td>
<td>03.907</td>
</tr>
<tr>
<td>for PT90/91</td>
<td>03.908</td>
</tr>
<tr>
<td>for sidelight connector 01.153</td>
<td>03.909</td>
</tr>
<tr>
<td>for patch fitting 03.198,</td>
<td>03.910</td>
</tr>
<tr>
<td>for patch fittings with 15 mm pivot point</td>
<td>03.911</td>
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<tr>
<td>for patch fittings for overpanels with 15 mm pivot point</td>
<td>03.910</td>
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<tr>
<td>for patch fitting with 15 mm pivot point</td>
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#### Gasket sets for 8 mm glass thickness

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</tr>
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<tr>
<td>for US 10/20/GK50</td>
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<td>for PT40/41/42/GK40/41/42</td>
<td>03.922</td>
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<td>for PT51</td>
<td>03.923</td>
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<td>03.925</td>
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<td>for PT80/81</td>
<td>03.926</td>
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<tr>
<td>for PT80 semi-high</td>
<td>03.927</td>
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<td>for PT90/91</td>
<td>03.928</td>
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<td>for sidelight connector 01.153</td>
<td>03.929</td>
</tr>
<tr>
<td>for patch fitting 03.198</td>
<td>03.930</td>
</tr>
</tbody>
</table>
WALL CONNECTING PROFILE SYSTEM

Consisting of: base profile, with bore holes (every 300 mm), incl. clamping parts with screws and gasket strips.

Application:
e.g. all around frame system for toughened glass assemblies, with fittings on sides and ceiling.
The safety type prevents free hanging glass elements from falling down, by fixing the clamping fitting through glass holes.
15 kg load for each clamping part, torque for fixing screws 15 Nm (M 6 = Allan key size 4).

Base profile
6000 mm stock length
for 8 mm glass thickness: Art. No. 07.042
for 10 mm glass thickness: Art. No. 07.001
for 12 mm glass thickness: Art. No. 07.002
for 12.7 mm glass thickness: Art. No. 07.045
for 13.5 mm glass thickness: Art. No. 07.046
for 15 mm glass thickness: Art. No. 07.047
for 17 mm glass thickness: Art. No. 07.048
for 19 mm glass thickness: Art. No. 07.049

as safety type
for 8 mm glass thickness: Art. No. 07.060
for 10 mm glass thickness: Art. No. 07.061

Weight in kg/m:
aluminium 1.200

Base profile
fixed length
for 8 mm glass thickness: Art. No. 07.050
for 10 mm glass thickness: Art. No. 07.051
for 12 mm glass thickness: Art. No. 07.052
for 12.7 mm glass thickness: Art. No. 07.055
for 13.5 mm glass thickness: Art. No. 07.056
for 15 mm glass thickness: Art. No. 07.057
for 17 mm glass thickness: Art. No. 07.058
for 19 mm glass thickness: Art. No. 07.059

as safety type
for 8 mm glass thickness: Art. No. 07.066
for 10 mm glass thickness: Art. No. 07.067

Weight in kg/m:
aluminium 1.200
**Clamping part**
60 mm long
with screw and gasket
- for 8 mm glass thickness: Art. No. 07.043
- for 10 mm glass thickness: Art. No. 07.004
- for 12 mm glass thickness: Art. No. 07.005

**as safety type**
- for 8 mm glass thickness: Art. No. 07.063
- for 10 mm glass thickness: Art. No. 07.064

Weight in kg:
aluminium 0.055
**Clip on cover profile**
brass, stainless steel, satin and stainless steel polished
door available

6000 mm stock length
fixed length

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Weight in kg/m:</th>
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<tbody>
<tr>
<td></td>
<td>aluminium 0.203</td>
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<tr>
<td></td>
<td>brass 0.373</td>
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<tr>
<td></td>
<td>stainless steel 0.373</td>
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</tbody>
</table>

**End cap**

for 8 and 10 mm glass thicknesses
for 12–13.5 mm glass thicknesses
for 15–19 mm glass thicknesses

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Weight in kg:</th>
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<tbody>
<tr>
<td></td>
<td>aluminium 0.003</td>
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<tr>
<td></td>
<td>brass 0.006</td>
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<tr>
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<td>stainless steel 0.006</td>
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</table>

**Filler block, 10 x 12 mm**

6000 mm stock length
fixed length

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<th>Weight in kg:</th>
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<tr>
<td></td>
<td>stainless steel 0.006</td>
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</table>

**U-profile**

20 x 20 x 20 x 2 mm

6000 mm stock length
fixed length

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<tr>
<td></td>
<td>brass 0.006</td>
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<tr>
<td></td>
<td>stainless steel 0.006</td>
</tr>
</tbody>
</table>

**U-profile**

30 x 20 x 30 x 2 mm

6000 mm stock length
fixed length

<table>
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<tr>
<th>Art. No.</th>
<th>Weight in kg/m:</th>
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<tr>
<td></td>
<td>brass 0.006</td>
</tr>
<tr>
<td></td>
<td>stainless steel 0.006</td>
</tr>
</tbody>
</table>
WALL CONNECTING FRAME SYSTEM MR 22 AND MR 28

Comprising a frame profile (series-drilled), a clamping profile and two contact rubber extrusions (PVC, transparent). These decorative and elegant frame solutions are suitable for both indoor and outdoor applications and are characterised by their remarkably easy installation.

The viewface width in the case of the MR 22 is a mere 22 mm and in the case of the MR 28 it is just 28 mm. Suitable for glass thicknesses of 8 and 10 mm. No load transfer by the profiles. Can be readily removed and re-installed elsewhere.

The MR 28 features an additional screw-fixing channel for connecting angle brackets and enables combination with mullion profiles for the vertical connection of several glass panels and also abutment to frame systems AT 44 and AT 50.

Applications:
- e.g. surrounding frame for toughened glass systems for fixing to walls and ceilings

Base profile

MR 22
- in 6000 mm stock length, without PVC profile
- Art. No. 07.240
  - Weight in kg/m: aluminium 0.648

MR 22
- in fixed length
- Art. No. 07.250
  - Weight in kg/m: aluminium 0.648
Attention:
Profiles are only delivered with straight cuts. Allowances in lengths of profiles to ensure producibility of bevel cuts have to be planned by the customer. The Georgian bar profile must be prepared in addition on both sides. Please consider installation instruction.

**MR 28**
in 6000 mm stock length, without PVC profile

**Art. No. 07.241**
Weight in kg/m: aluminium 0,802

**MR 28**
in fixed length

**Art. No. 07.251**
Weight in kg/m: aluminium 0,802

**Georgian bar profile MR 28**
in 6000 mm stock length, without PVC profile

**Art. No. 07.242**
Weight in kg/m: aluminium 0,542

**Georgian bar profile MR 28**
in fixed length

Screws for fixation at M 28 base profile are not included in delivery.

**Recommendation:**
counter sunk screw 4.2 mm x 32 mm
MR 28 georgian bar profile
90°
in 6000 mm stock length
Art. No. 07.258
Weight in kg/m:
aluminium 0.598

MR 28 georgian bar profile
135°
in 6000 mm stock length
Art. No. 07.259
Weight in kg/m:
aluminium 0.466

End mounted plate MR 22
Art. No. 07.245
Weight in kg/pc:
aluminium 0.002

End mounted plate MR 28
Art. No. 07.246
Weight in kg/pc:
aluminium 0.002
<table>
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<tr>
<th>Product</th>
<th>Thickness (mm)</th>
<th>Color</th>
<th>Length (m)</th>
<th>Art. No. 1</th>
<th>Art. No. 2</th>
<th>Weight in kg/m: PVC</th>
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<tbody>
<tr>
<td>Contact profile</td>
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<td>Grey</td>
<td>50</td>
<td>07.255</td>
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<tr>
<td>Glass wedge profile</td>
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<td>Grey</td>
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<td>Glass wedge profile</td>
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<td>Grey</td>
<td>25</td>
<td>07.254</td>
<td>07.264</td>
<td>0.034</td>
</tr>
</tbody>
</table>
**Corner connection set MR 28**, 4 pieces per set

8 screws DIN 7991
M 5 x 8 included in scope of delivery

**Art. No. 07.247**

**Weight in kg/pc:**
auminium 0.0021

**Corner connection for MR 28 georgian bar profil 90°**

2 grub screws DIN 916
M 4 x 5 included in scope of delivery

**Art. No. 07.248**

**Corner connection for MR 28 georgian bar profil 135°**

2 grub screws DIN 916
M 4 x 5 included in scope of delivery

**Art. No. 07.249**
ACCESSORIES FOR DOOR CLOSER TS 73 V

Fixing plate
for DORMA TS 73 V,
closer arm for overpanel
Art. No. 12.330
Weight in kg:
aluminium 0.132

<table>
<thead>
<tr>
<th>Pivot point fitting</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA (AT)</td>
<td>195</td>
<td>248</td>
</tr>
<tr>
<td>Universal/EP</td>
<td>245</td>
<td>298</td>
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<tr>
<td>Studio/Junior</td>
<td>170</td>
<td>223</td>
</tr>
<tr>
<td>ARCOS Universal</td>
<td>262</td>
<td>315</td>
</tr>
</tbody>
</table>

Fixing plate
225 mm,
for DORMA TS 73 V
Art. No. 12.335
Weight in kg
aluminium 0.289

<table>
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<th>Pivot point fitting</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>Studio/Junior</td>
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<tr>
<td>ARCOS Universal</td>
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</tbody>
</table>
ACCESSORIES FOR DOOR CLOSER TS 92

Fixing plate
for DORMA TS 92, slide channel for overpanel
Art. No. 12.332
Weight in kg
aluminium 0.265

<table>
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<tr>
<th>Pivot point fitting</th>
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<tr>
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<td>Studio/Junior</td>
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<td>150</td>
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<td>ARCOS Universal</td>
<td>265</td>
<td>267</td>
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Fixing plate
279 mm,
for DORMA TS 92
Art. No. 12.334
Weight in kg:
aluminium 0.290

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<th>Pivot point fitting</th>
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<tbody>
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<td>Studio/Junior</td>
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<td>132</td>
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<td>ARCOS Universal</td>
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<td>247</td>
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</table>

Saddle plate
and door closer TS 92 are available at DORMA, Emepetal, or at special suppliers for building hardware.
ACCESSORIES FOR DOOR CLOSER TS 97

Saddle plate for TS 97
For connecting the closer to toughened glass doors – no glass recess machining or drilling required. The DORMA TS 97 with this special glass fixing bracket should be used with ARCOS Studio and ARCOS Office / Junior Office hinges.
PLANNING TOOLS

For planning of intelligent glass solutions we offer you several planning tools which allow you to create secure and professional solutions for any kinds of glass doors and toughend glass assemblies.

Your benefits:
- Easy to operate
- Professional and error-free preparation of offers
- Rapid response to incoming requests for quotations
- Highly reduced planning costs for time and money savings

The planning tools DGES and MANET COMPACT enable you to prepare designs and cost calculations quickly, reliably and professionally. The software provides you with all necessary documentation such as dimensioned technical drawings, glass sizes and preparation measures.

- DGES Fittings (for internal doors and toughend glass assemblies),
- DGES HSW (for horizontal sliding walls),
- MANET COMPACT planning tool (for MANET pivoting and sliding doors)

SAFETY-RELATED INFORMATION

Important safety-related information for the mounting and use of DORMA glass fittings
(Follow these instructions in addition to the mounting and operating instructions in order to avoid damage of product and damage to person or property.)

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

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

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

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

The printed colours indicating the surface finishes are not 100% true, but do provide a useful guide.

Statements made with regard to the nature or use of the products are for the purposes of descriptions. Assent with regard to the existence of particular properties or particular uses always requires special written agreement. Pictures may show special designs which are different to the standard scope of delivery.

Subject to change without notice.