MUNDUS
The patch fitting with a unique design for toughened glass assemblies

MUNDUS
Premium—for unique, customised toughened glass assemblies.

MUNDUS
Comfort—for demanding toughened glass assemblies.
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MUNDUS

MUNDUS is the series of patch fittings that makes its mark through inspiring design combined with simple, fast installation.

The benefits are substantial:

- Clear design, no visible fixings
- Wide range of finishes, colors and materials
- Fast installation, adjustment even when mounted
- Equipped for the right glass thickness: adapts to different glass thicknesses without changing gaskets
- Suitable for laminated safety glass with tested Clamp&Glue technology for high demands on quality and safety
- Easy to retrofit and integrate into existing systems

Image video on request
The freedom of versatility
Create individual designs with colors and materials
Elegant look

MUNDUS fittings stand out thanks to their elegant shape with straight edges and rounded corners, high-quality materials and maximum-precision finishing. The harmony of the surface is not disrupted by the sight of any screws. To ensure a permanently elegant look, the cap consists of 2 mm thick – and thus particularly robust – material in the form of either stainless steel or aluminium.

Wide choice of finishes

Various attractive collections are available to adapt the patch fittings to the architectural finishes and color scheme of the building.

The focus is on providing a wide choice of materials with a selected, graduated spectrum from light to dark, from matt to textured and highly polished, and from integrating to accentuating.

Wide choice of finishes

- **Standard collection**
  - Standard finishes, anodised or coated.
  - LM white
  - LM silver
  - Niro matt
  - Niro polished

- **Trend collection**
  - Coated aluminium finishes based around the latest trends in interior design.
  - Silver semi-glass
  - Cast effect
  - Champagne
  - Bronco
  - Dark Havana

- **Exclusive collection**
  - Refined metals such as anodised aluminium and polished stainless steel.
  - LM dark niro
  - Antique brass
  - Black bronze

- **Glass collection**
  - Glass finishes enable the fittings to visually merge with glass doors, creating a completely new effect.
  - Glass white
  - Glass black
Easy to install & to adjust
Multidimensional adjustability even when mounted

The basic body of the MUNDUS fitting can be attached directly to the glass and the individual cover is simply snapped onto the already installed fitting.
**Fast and uncomplicated fixing**

MUNDUS fittings are a truly perfect fit – thanks to multidimensional adjustability. It enables continuous adjustment of the vertical gap dimensions and perfect positioning alignment in terms of the rotary axis of the pivot point and the zero position.

**X-axis alignment**

Individual adjustment of the pivot point, continuously selectable between 52 and 73 mm.

**Z-axis alignment**

Infinite variability of the door position to achieve flush alignment thanks to adjustment of up to 1 mm for a glass thickness of 8 mm, or 3 mm for a glass thickness of 12 mm.

**Zero position adjustment**

Optional: continuous alignment of the door in the correct zero position via adjustment around the rotary axis by +/- 1.5°.

**Optimum gap dimension**

Thanks to the continuous, multidimensional adjustability of the patch fittings, the door can be optimally aligned following installation.
Wide-ranging suitability and effortless installation
MUNDUS Premium – Secure hold for laminated safety glass
For worry-free hold – Clamp & Glue technology

Proven dormakaba technology for the installation of laminated safety glass. Additional adhesive bonding ensures secure hold and permanent cohesion of the fitting and the glass.

The bonding procedure after affixing the fitting is very simple:

• The adhesive is fed through the corresponding drill holes until it escapes at the over-flow openings of the clamp plates
• This procedure is repeated on the rear face
• Leave the adhesive to harden

MUNDUS and laminated safety glass – a combination that provides impressive benefits:

• High level of user safety, even in the case of large glass systems
• Noise level can be reduced through the integration of a noise protection film
• Realise the glass door as a design element – design films can bring individual design options to life
• Maximum residual carrying capacity through the use of laminated safety glass consisting of 2x toughened safety glass
Easy retrofitting

MUNDUS can be deployed in existing systems
**No special gaskets required**

With MUNDUS, customers no longer require gaskets for the purpose of configuring the correct glass thickness.

In MUNDUS, the glass thickness is defined using two screws on the base body of the patch fitting. This new technology therefore makes it possible to use 8 mm to 22 mm glass (MUNDUS Premium 8–22 mm, four different glass thickness ranges/MUNDUS Comfort 8–12 mm, see page 11). Extra protection against unauthorised entry to the premises is provided by the positioning of the clamp screws. These are distributed across both sides of the base body, meaning that disassembly from one side is not possible.

MUNDUS can also be retrofitted to existing installations by simply replacing the patch fittings.

Replacement is quick and effortless: remove the door, disassemble the previous patch fittings, clean the glass, mount the new patch fittings and re-attach the door.

**Can be used for various glass thicknesses**

This makes it possible to perform continuous processing of glass thicknesses of 8–12 mm, 12–15 mm, 15–19 mm and 19–22 mm with a single fitting. The extra gaskets, which would otherwise have to be ordered separately, are no longer required. You always have the correct fitting to hand. This means: quicker mounting, more time, more design.

Glass thickness: 8–22 mm.
Door weight up to 200 kg.

01 + 02
Simple adjustment of the suitable glass thickness using two screws, meaning that it is no longer necessary to replace the gaskets.
Universal suitability
MUNDUS provides patch fittings for 24 standard systems and a number of special solutions.

The visually and technically advanced MUNDUS fittings for glass assemblies are suitable for a whole host of requirements, such as an open living space, an attractive office or a representative shop entrance. The wide range comprises connecting fittings and patch fittings for the conventional 24 standard systems such as PT 10, PT 40 and PT 70. The range also features further special solutions tailored to the room, including angled variants for spatial systems that can be installed on both sides (left and right) and over corners, such as PT 41 and PT 61.
A concealed floor spring BTS integrated into the floor ensures smooth, convenient opening and closing.

MUNDUS fittings for 24 standard systems

In addition to these standard systems, dormakaba also provides special solutions for individual requirements.
## System versatility
down to the last detail

### Type selection

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>PT 10 Bottom patch fitting with insert for floor spring or floor pivot</td>
</tr>
<tr>
<td>02</td>
<td>PT 20 Top patch fitting with plastic socket for 14 mm pin</td>
</tr>
<tr>
<td>03</td>
<td>PT 30 Overpanel patch fitting, optionally available with pivot, stop insert or blind insert</td>
</tr>
<tr>
<td>04</td>
<td>PT 40 Angled overpanel patch fitting, optionally available with pivot, stop insert or blind insert</td>
</tr>
<tr>
<td>05</td>
<td>PT 41 Angled overpanel patch fitting, optionally available with reinforcement on left side only, right side only or both sides</td>
</tr>
<tr>
<td>06</td>
<td>PT 60 Angled connecting fitting for double-action and single-action doors with blind insert and stop insert</td>
</tr>
<tr>
<td>07</td>
<td>PT 70 Overpanel connecting fitting with blind and stop inserts</td>
</tr>
<tr>
<td>08</td>
<td>US 10 Corner lock for European profile cylinder and KABA locking cylinder</td>
</tr>
<tr>
<td>09</td>
<td>GK 20 Dual overpanel strike box for corner lock US 10</td>
</tr>
<tr>
<td>10</td>
<td>GK 30 Overpanel strike box for corner lock US 10</td>
</tr>
<tr>
<td>11</td>
<td>GK 40 Angled overpanel strike box for corner lock US 10</td>
</tr>
<tr>
<td>12</td>
<td>GK 50 Strike box for center lock US 20</td>
</tr>
</tbody>
</table>

**BTS = Floor spring**  
**GK = Strike box**  
**PT = Patch fitting**  
**US = Lock**
MUNDUS – an overview of the technical data

<table>
<thead>
<tr>
<th>MUNDUS</th>
<th>MUNDUS Premium</th>
<th>MUNDUS Comfort</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. load-bearing capacity</td>
<td>200 kg</td>
<td>150 kg</td>
</tr>
<tr>
<td>Possible glass thicknesses</td>
<td>8–12 mm</td>
<td>8–12 mm</td>
</tr>
<tr>
<td></td>
<td>12–15 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15–19 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>19–22 mm</td>
<td></td>
</tr>
<tr>
<td>Use of laminated safety glass</td>
<td>●</td>
<td>–</td>
</tr>
<tr>
<td>Supported pivot points</td>
<td>55, 65, 70 mm</td>
<td>55, 65, 70 mm</td>
</tr>
<tr>
<td>Adjustability of pivot points</td>
<td>Continuous (+/–3 mm); 52–73 mm</td>
<td>Continuous (+/–3 mm); 52–73 mm</td>
</tr>
<tr>
<td>Adjustability of door/insert</td>
<td>Multidimensional</td>
<td>Multidimensional</td>
</tr>
<tr>
<td>Cover materials</td>
<td>Stainless steel, aluminium, glass, etc.</td>
<td>Stainless steel, aluminium</td>
</tr>
</tbody>
</table>

Test cycles:
- Inhouse-Test according to EN 12400 1,000,000
- Inhouse-Test according to EN 1670 500,000
Test certificates from an external accredited authority can be provided on request.

Materials and finishes

<table>
<thead>
<tr>
<th>Materials and finishes</th>
<th>Availability</th>
<th>Corrosion class</th>
<th>Availability</th>
<th>Corrosion class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard collection</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LM white (350, RAL 9016)</td>
<td>●</td>
<td>4</td>
<td>●</td>
<td>4</td>
</tr>
<tr>
<td>LM silver (150)</td>
<td>●</td>
<td>4</td>
<td>●</td>
<td>4</td>
</tr>
<tr>
<td>Niro matt (750)</td>
<td>●</td>
<td>4</td>
<td>●</td>
<td>4</td>
</tr>
<tr>
<td>Niro polished (751)</td>
<td>●</td>
<td>4</td>
<td>●</td>
<td>4</td>
</tr>
<tr>
<td>Trend collection (special color)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silver semi-gloss</td>
<td>●</td>
<td>2</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Cast effect</td>
<td>●</td>
<td>2</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Champagne</td>
<td>●</td>
<td>2</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Bronco</td>
<td>●</td>
<td>2</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Dark Havana</td>
<td>●</td>
<td>2</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Exclusive collection</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LM dark niro (157)</td>
<td>●</td>
<td>4</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Antique brass</td>
<td>●</td>
<td>4</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Black bronze</td>
<td>●</td>
<td>4</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Glass collection</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glass white</td>
<td>●</td>
<td>4</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Glass black</td>
<td>●</td>
<td>4</td>
<td>–</td>
<td></td>
</tr>
</tbody>
</table>

1 – 4 Corrosion class according to EN 1670 (independent test confirmation on request)

* Standard – not available

* LSG with 2 x TSG (= 2 panes each with a minimum glass thickness of 5 mm). Can be implemented with seperately ordered gaskets and deploying proven Clamp&Glue technology.