ASSEMBLY INSTRUCTIONS
HS COMFORT CLOSE / COMFORT STOP
concealed with reinforcement V192, V372
Profine PremiDoor 88+/76
# Table of contents

**Important instructions** 3

**Function** 3

**Fittings overview** 4 - 5

**Preparation frame - Example: scheme A and C** 6

**Preparation sash** 7

**Mounting Comfort Close/Comfort Stop** 8

**Mounting sash and frame** 9

**Reference dimension** 9

**Completion of guide track** 10

**Adjustment options** 10

**Mounting cover frame piece** 11

**Technical data** 11
Important instructions

Target group
This documentation is intended exclusively for specialist companies and certified specialists. The work described herein must only be carried out by certified specialists.

Usage and safety information
In addition to this information, the profile-dependent assembly instructions for HS-Hardware Profine PremiDoor 88, Order No. 758562EN or HS-Hardware Profine PremiDoor 76, Order No. 758548EN, must be complied with. In the Comfort Close assembly instructions, only the differences from the above document are described. Mount all hardware parts professionally as described in this manual and observe all safety instructions.

Function

Function comfort stop
Shortly before reaching the maximum opening position, the sash is slowed down gently. To open the sash maximal, it has to be moved until limit stop by sliding again.

Function comfort close
Shortly before reaching the main closing edge, the sash is slowed down gently and is then retracted automatically to the closed position.
## Fittings overview

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Description</th>
<th>Note: All measurements in this document are indicated in millimetres.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.24</td>
<td>Top guide</td>
<td></td>
</tr>
<tr>
<td>6.1</td>
<td>Guide Track</td>
<td></td>
</tr>
<tr>
<td>15.1</td>
<td>Comfort Close</td>
<td></td>
</tr>
<tr>
<td>15.2</td>
<td>Comfort Stop</td>
<td></td>
</tr>
<tr>
<td>16.1</td>
<td>Packer housing</td>
<td></td>
</tr>
<tr>
<td>16.2</td>
<td>Frame piece</td>
<td></td>
</tr>
<tr>
<td>16.3</td>
<td>Cover frame piece</td>
<td></td>
</tr>
<tr>
<td>16.4</td>
<td>Packer frame piece</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Screws are not included in scope of delivery. Respective specifications represent a recommendation, only.

**Required for mounting:**
- guide track and U-guide (please refer to HS-mounting instructions Profine PremiDoor 88+/76, document item, 758562/758548 too)

---

**Diagram:**
- **Top guide**
- **Guide track**

---

**Optional:**

---

**Measurement:**
- 4.8 x 50
- 4.8 x 25

---
## Fittings overview

### Items per sliding sash

<table>
<thead>
<tr>
<th>1</th>
<th><strong>Comfort Close 15.1</strong>&lt;sup&gt;z)&lt;/sup&gt;</th>
<th>Article description</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>size 1</td>
<td>≤ 200 kg sash weight ≤ 30 N sliding force</td>
<td>300359</td>
</tr>
<tr>
<td></td>
<td>size 2</td>
<td>&gt; 200 ... 300 kg sash weight ≤ 50 N sliding force</td>
<td>300360</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1&lt;sup&gt;x)&lt;/sup&gt;</th>
<th><strong>Comfort Stop 15.2</strong>&lt;sup&gt;x)&lt;/sup&gt;</th>
<th>Article description</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>size 1</td>
<td>≤ 200 kg sash weight ≤ 30 N sliding force</td>
<td>304052</td>
</tr>
<tr>
<td></td>
<td>size 2</td>
<td>&gt; 200 ... 300 kg sash weight ≤ 50 N sliding force</td>
<td>304053</td>
</tr>
</tbody>
</table>

| 1 | **Accessories Comfort Close + Comfort Stop 16.1, 16.4, 4.24** | | 305140 |

| 1 | **Frame piece, adjustable 16.2** | | 305134 |

| 1 | **Cover frame piece 16.3** | | 304816 |

<sup>x</sup> optional  <sup>z)</sup> Colour of damper: size 1 - black, size 2 - silver-grey
Preparation frame - Example: scheme A and C

Illustration with dividing of the guide track; However, for this profile system dividing is not mandatory.

› (1) Divide guide track (6.1):
  - scheme A: handle side: FB - 91.5 mm, fixed sash side: FB + 14.5.

› (2) Insert sliders (4.12) and fasten guide track (6.1) on handle side.

› (3) Pre-drill 2 fastening holes Ø 4.2.

› (4) Fasten frame piece (16.2) with packer (16.4).
Preparation sash

› Carry out sash milling for Comfort Close on non-handle side and/or for Comfort Stop on handle side.

The reinforcement „V192“ (PD 88+) and "V372" (PD 76) has to be within the area of Comfort Close respectively Comfort Stop (slide in max. 112 mm to outer edge of sash).
Mounting Comfort Close/Comfort Stop

› (1) Comfort Close respectively Comfort Stop has to be pretensioned.
› (2) Clip packer onto the housing of the Comfort Close and/or onto the housing of the Comfort Stop.
› (3) Mount the Comfort Close respectively Comfort Stop with 2 screws 4.8 x 25 each at the sash.

The catches in the comfort close respectively in the comfort stop have to be pretensioned. Risk of injury!
Mounting sash and frame

⚠️ Attention: Risk of injury due to fallen sash!  
To avoid the risk of injury, perform the following steps with two workers.

Example: scheme A; scheme C accordingly
› (1) Cut espag into lengths.
› (2) Fasten U-guides (4.24) within the top sash rebate.
› (3) Set down the sliding sash onto the running track in the area of the fixed sash and swivel it into the element.
› (4) Bring handle into „Open“ position and slide the sliding sash to the transit area.

(1) refer to mounting instructions, 758562 PD 88+, 758548 PD 76, too

Reference dimension
› To check the height of the frame piece, swivel in the sash, lift it and slide into closing position.
› Measure reference dimension within the range of the comfort close respectively comfort stop (desired value = 9 mm).
› If necessary, slide the sash aside and compensate deviation to the reference dimension by adjustment of the frame piece (refer to „Adjustment options“).
› Fasten guide track on fixed sash side.
Completion of guide track
(If the guide track is not divided, this work step is not necessary.)

Example:
scheme A; scheme C accordingly
Fasten the guide track at frame profile.

Adjustment options
In case of inaccuracy concerning position of the frame piece, the reference dimension concerning the height of the frame piece and the end position of the sash related to the frame can be adjusted. To do this, the sash has to be opened.

› (1) Correction of the lateral position (+/- 5 mm):
  (1.1) Loosen screw by means of Torx 25,
  (1.2) Slide frame piece into the desired direction:
        0 – 5 mm: closing of sash will be shifted in direction of handle side;
        0 + 5 mm: closing of sash will be shifted in direction of non-handle side
  (1.3) Fasten screw with max. 3 Nm.
› (2) Correction of the height of the frame piece (+ 3 mm) with Torx 15.

Note: Adjustments may be changed after glazing the sash and mounting the frame!
Mounting cover frame piece

Technical data

Range of application scheme A:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sash width (FB)</td>
<td>700 – 3280 mm</td>
</tr>
<tr>
<td>FB\text{min.} for 2x Comfort Close</td>
<td>890 mm</td>
</tr>
<tr>
<td>Sash height (FH)</td>
<td>815 – 2920 mm</td>
</tr>
<tr>
<td>Outer frame width (RAB)</td>
<td>acc. to profile manufacturer’s specifications</td>
</tr>
<tr>
<td>Sash weight or sliding force without</td>
<td>size 1: max. 200 kg or</td>
</tr>
<tr>
<td>Comfort Close and Comfort Stop</td>
<td>max. 30 N</td>
</tr>
<tr>
<td></td>
<td>size 2: max. 300 kg or</td>
</tr>
<tr>
<td></td>
<td>max. 50 N</td>
</tr>
<tr>
<td></td>
<td>(further sizes on request)</td>
</tr>
</tbody>
</table>

Depending on version of the profile sealing to be used, it can happen, that the sash cannot close completely.

<table>
<thead>
<tr>
<th>Dimension (W x H x D)</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comfort Close</td>
<td>336 mm x 27.5 mm x 22 mm</td>
</tr>
<tr>
<td>Comfort Stop</td>
<td>336 mm x 27.5 mm x 22 mm</td>
</tr>
</tbody>
</table>

| Soft move-in                                   | starting approx. 100 mm off the closing edge |

<table>
<thead>
<tr>
<th>Increase of sliding force with Comfort Close or Comfort Stop</th>
<th>size 1: by 25 N (black)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>size 2: by 45 N (silver-grey)</td>
</tr>
</tbody>
</table>

Range of application is depending on used profile systems. Specifications of profile manufacturers to be observed.
You want everything from a single source?

We provide you with complete solutions for sliding doors, windows and doors — for timber, PVC and aluminium. Experience our versatile system offer, comprehensive service included. Discover more of this on our website www.maco.eu or contact your MACO representative.

MACO near you:
www.maco.eu/contact

This print document is revised regularly.
The latest version is available at http://www.maco.eu/assets/757734
or by scanning the QR code.