

BO 51 015 51 to BO 51 015 68

Bohle SlideTec optima 150 without Dampener
Glass thickness 8, 10 or 12 mm tempered or
laminated glass, up to 150 kg
single leaf (with calculations)

Technical information

- Suitable for toughened (ESG) and laminated (VSG) safety glass
- Maximum leaf weight 150 kg
- Glass thicknesses: 8, 10 and 12 mm
- **All dimensions in millimeter**

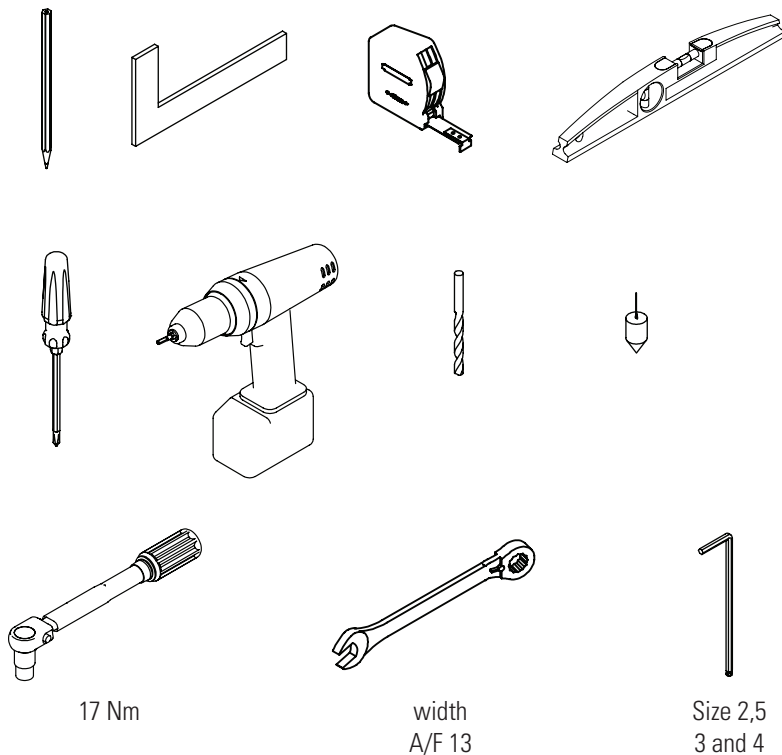
Important information

Glass panes with surface protection coating cannot be used with the Optima 150 clamping technology.

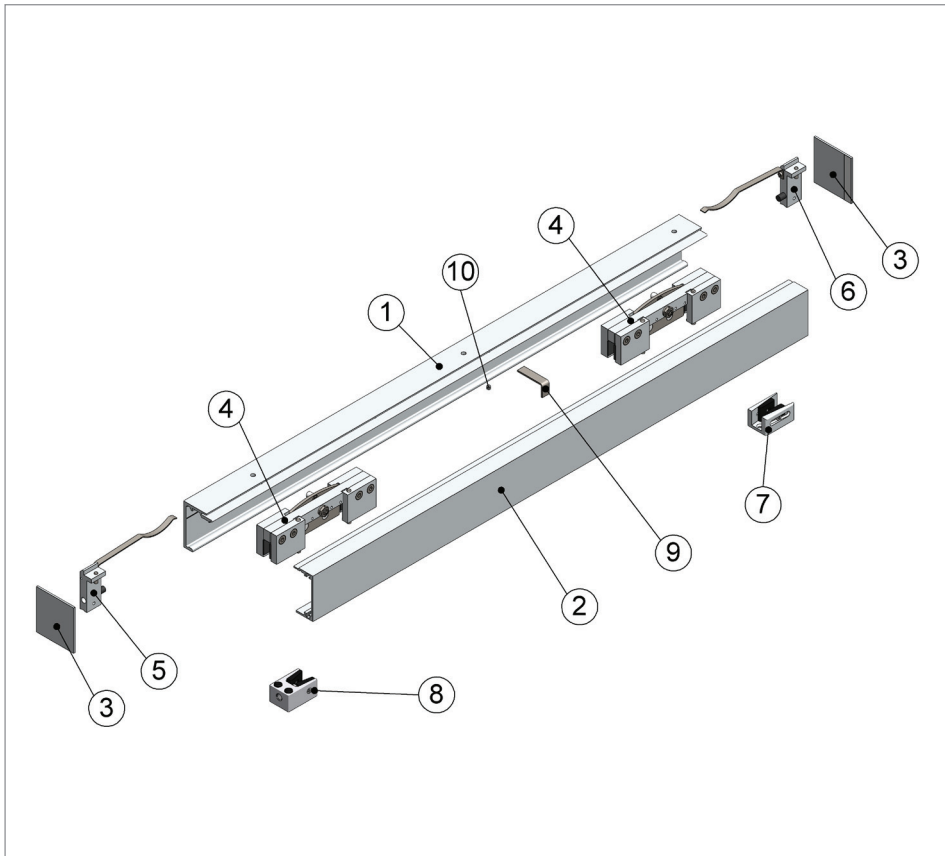
When installing the top hangers and, if applicable, the door damper, the glass pane must be clean and free of grease in the clamping areas. Therefore, clean the pane in this area with, for example, white spirits or acetone. We also recommend that you clean the clamping surfaces in the top hanger and door damper too.

For assemblies that, e.g. run into a masonry wall or for two-leaf assemblies, fit the glass sliding doors with additional glass edge protection on the impact sides.

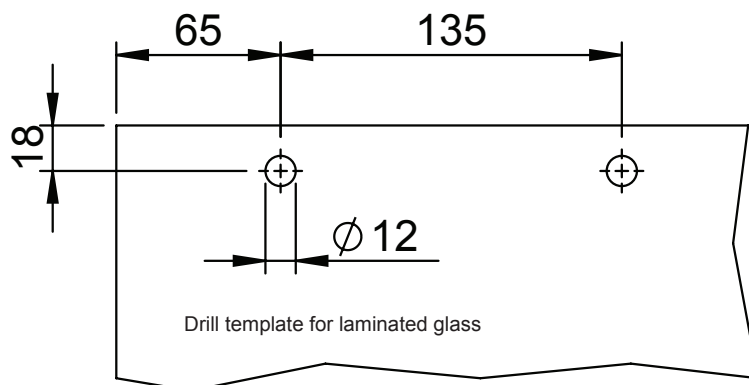
Required tools



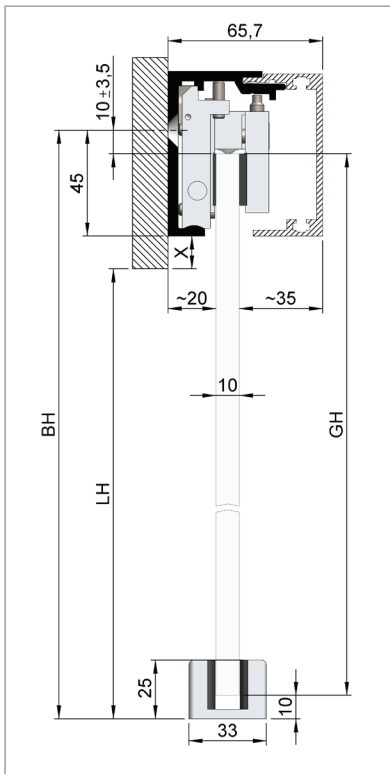
Scope of delivery B0 51 015 51 to B0 51 015 62



1. Track without fixed glazing
2. Cover
3. Caps (Optional)
4. Top Clamp
5. End stop, left-hand side
6. End stop, right-hand side
7. Bottom guide
8. Bottom bump stop (Optional)
9. Spacer plate
10. Screw M5 x 5



Wall Mount without fixed glazing



Drilling height (BH):

$$BH = LH + X + 45$$

Glass height (GH):

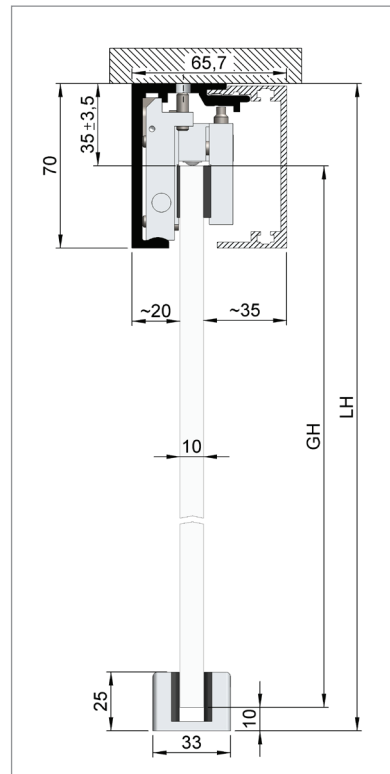
$$GH = BH - 10 - 10$$

Part-no.: BO 51 015 51

to

Part-no.: BO 51 015 62

Ceiling Mount without fixed glazing



Glass height (GH):

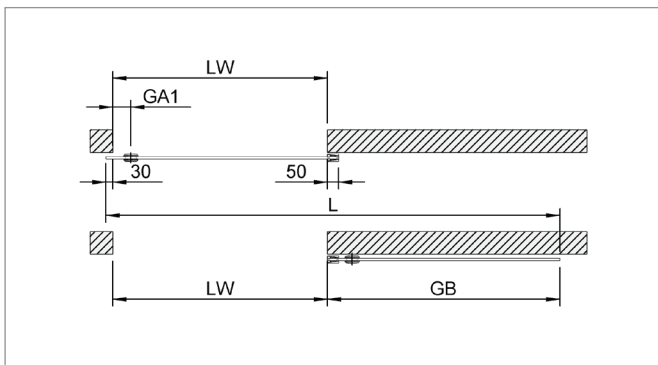
$$GH = LH - 10 - 35$$

Part-no.: BO 51 015 51

to

Part-no.: BO 51 015 62

Wall/Ceiling Mount without fixed glazing continuous wall with flat-covered door handle



Panel without fixed glazing

Example: $GH = 2157.00$; $GA1 = 80.00$; $GD = 10.00$;

$LW = 950.00$; $GA2 = 60.00$

Width Door Panel (GB):

$$GB = LW + 50.00 + 30.00$$

Example: $GB = 950.00 + 50.00 + 30.00 = 1030.00$

Weight door panel (G) = kg:

$$G = GH \times GB \times GD \times 0.0000025$$

Example: $G = 2157.00 \times 1030.00 \times 10.00 \times 0.0000025 = 55.54 \text{ kg}$

Track length (L) door handle (covered):

$$L = GB + LW + 30.00$$

Example: $L = 1030.00 + 950.00 + 30.00 = 2010.00$

Walk-through distance (DB) covered handle:

$$DB = LW$$

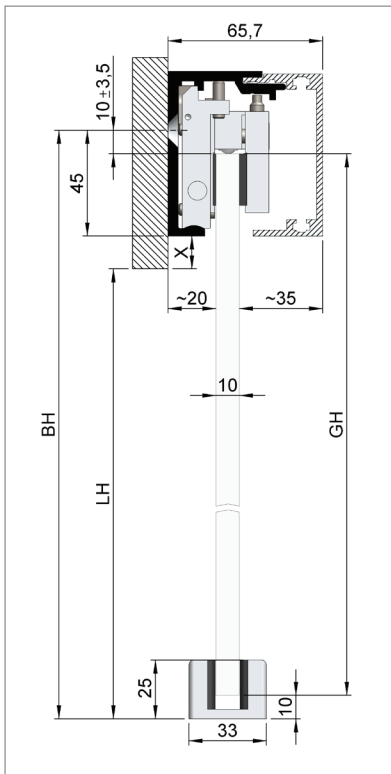
Example: $DB = 950.00$

Legend:

LH = Clear height
LW = Clear width
BH = Drill height
GH = Glass height
GB = Width Door panel
MG = Door handle
L = Track length
GA1 = Handle distance 1
GA2 = Handle distance 2
GD = Glass thickness
DB = Walk through distance
G = Weight
T = Cover profile length
S = Side panel
BP = Floor profile
GHS = Height side panel

All dimensions in millimeter

Wall Mount without fixed glazing



Drilling height (BH):

$$BH = LH + X + 45$$

Glass height (GH):

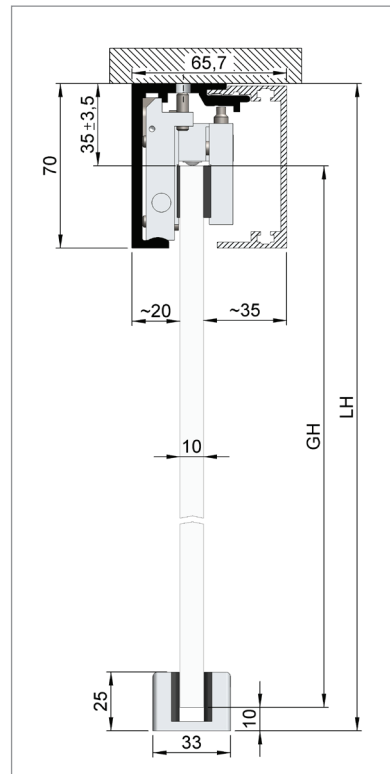
$$GH = BH - 10 - 10$$

Part-no.: BO 51 015 51

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Ceiling Mount without fixed glazing



Glass height (GH):

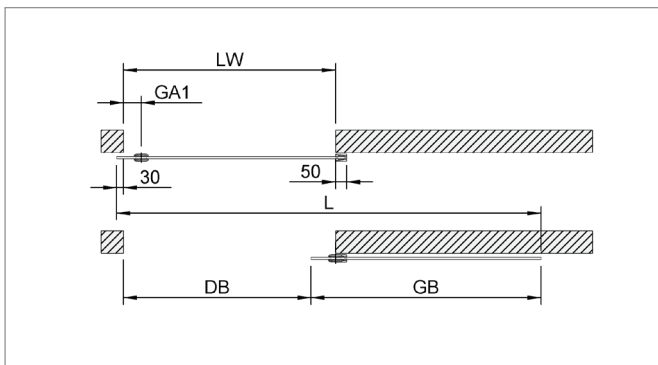
$$GH = LH - 10 - 35$$

Part-no.: BO 51 015 51

to

Part-no.: BO 51 015 62

Wall/Ceiling Mount without continuous wall, half covered door handle



Legend:

LH = Clear height
LW = Clear width
BH = Drill height
GH = Glass height
GB = Width Door panel
MG = Door handle
L = Track length
GA1 = Handle distance 1
GA2 = Handle distance 2
GD = Glass thickness
DB = Walk through distance
G = Weight
T = Cover profile length
S = Side panel
BP = Floor profile
GHS = Height side panel

Panel without fixed glazing

Example: GH = 2157.00; GA1 = 80.00; GD = 10.00;

LW = 950.00; GA2 = 60.00

Width Door Panel (GB):

$$GB = LW + 50.00 + 30.00$$

Example: GB = 950.00 + 50.00 + 30.00 = 1030.00

Weight door panel (G) = kg:

$$G = GH \times GB \times GD \times 0.0000025$$

Bsp.: G = 2157.00 x 1030.00 x 10.00 x 0.0000025 = 55.54 kg

Track length (L) door handle (half covered):

$$L = GB + LW - GA1$$

Example: L = 1030.00 + 950.00 - 80.00 = 1900.00

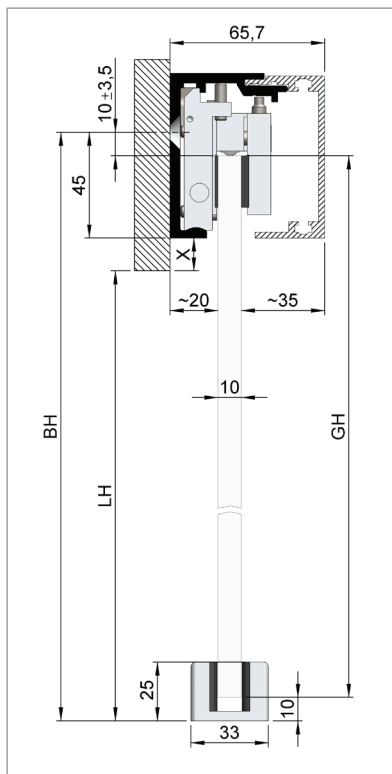
Walk-through distance (DB) half covered handle:

$$DB = LW - GA1 - 30.00$$

Example: DB = 950.00 - 80.00 - 30.00 = 840.00

All dimensions in millimeter

Wall Mount without fixed glazing



Drilling height (BH):

$$BH = LH + X + 45$$

Glass height (GH):

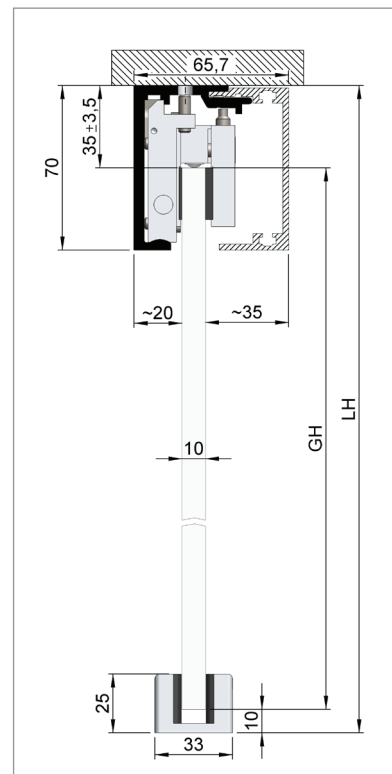
$$GH = BH - 10 - 10$$

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Ceiling Mount without fixed glazing



Glass height (GH):

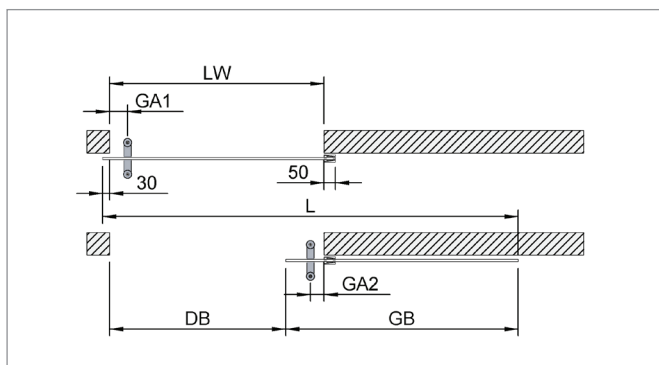
$$GH = LH - 10 - 35$$

Part-no.: B0 51 015 51

to

Part-no.: B0 51 015 62

Wall/Ceiling mount without fixed glazing w/continuous wall with ladder handle



Legend:

- LH = Clear height
- LW = Clear width
- BH = Drill height
- GH = Glass height
- GB = Width Door panel
- MG = Door handle
- L = Track length
- GA1 = Handle distance 1
- GA2 = Handle distance 2
- GD = Glass thickness
- DB = Walk through distance
- G = Weight
- T = Cover profile length
- S = Side panel
- BP = Floor profile
- GHS = Height side panel

Panel without fixed glazing

Example: GH = 2157.00; GA1 = 80.00; GD = 10.00;

LW = 950.00; GA2 = 60.00

Width Door Panel (GB):

$$GB = LW + 50.00 + 30.00$$

Example: GB = 950.00 + 50.00 + 30.00 = 1030.00

Weight door panel (G) = kg:

$$G = GH \times GB \times GD \times 0.0000025$$

Example: G = 2157.00 x 1030.00 x 10.00 x 0.0000025 = 55.54 kg

Track length (L) :

$$L = GB + LW - GA1 - GA2$$

Example: L = 1030.00 + 950.00 - 80.00 - 60.00 = 1840.00

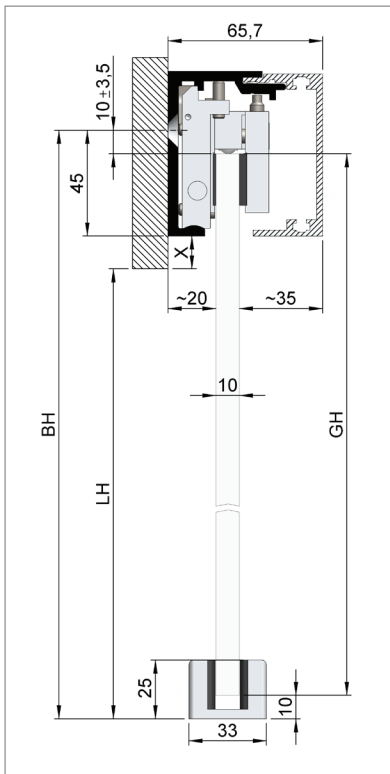
Walk-through distance (DB):

$$DB = LW - GA1 - GA2 - 30.00$$

Example: DB = 950.00 - 80.00 - 60.00 - 30.00 = 780.00

All dimensions in millimeter

Wall Mount without fixed glazing



Drilling height (BH):

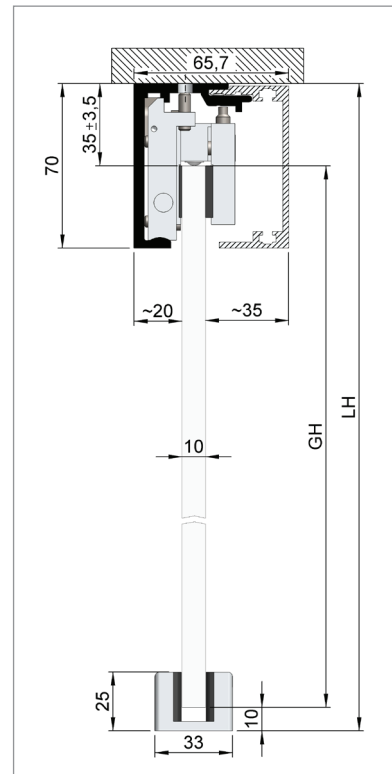
$$BH = LH + X + 45$$

Glass height (GH):

$$GH = BH - 10 - 10$$

Part-no.: BO 51 015 51
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Ceiling Mount without fixed glazing

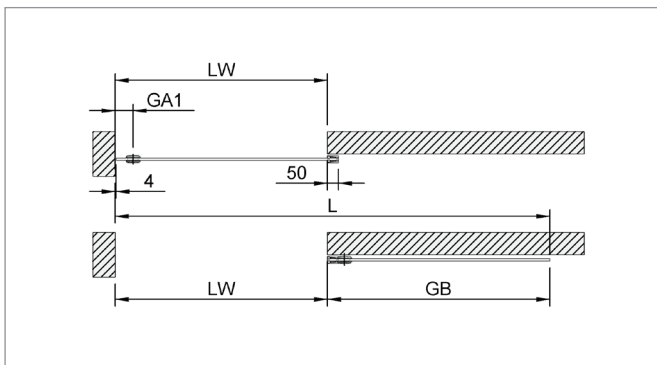


Glass height (GH):

$$GH = LH - 10 - 35$$

Part-no.: BO 51 015 51
to
Part-no.: BO 51 015 62

Wall/Ceiling mount without fixed panel with end wall, covered flat handle



Legend:

LH = Clear height
LW = Clear width
BH = Drill height
GH = Glass height
GB = Width Door panel
MG = Door handle
L = Track length
GA1 = Handle distance 1
GA2 = Handle distance 2
GD = Glass thickness
DB = Walk through distance
G = Weight
T = Cover profile length
S = Side panel
BP = Floor profile
GHS = Height side panel

Panel without fixed glazing

Example: GH = 2157.00; GA1 = 80.00; GD = 10.00;
LW = 950.00; GA2 = 60.00

Width Door Panel (GB):

$$GB = LW + 50.00 - 4.00$$

Example: GB = 950.00 + 50.00 - 4.00 = 996.00

Weight door panel (G) = kg:

$$G = GH \times GB \times GD \times 0.0000025$$

Example: G = 2157.00 x 996.00 x 10.00 x 0.0000025 = 53.71 kg

Track length (L) door handle (covered):

$$L = GB + LW$$

Example: L = 996.00 + 950.00 = 1946.00

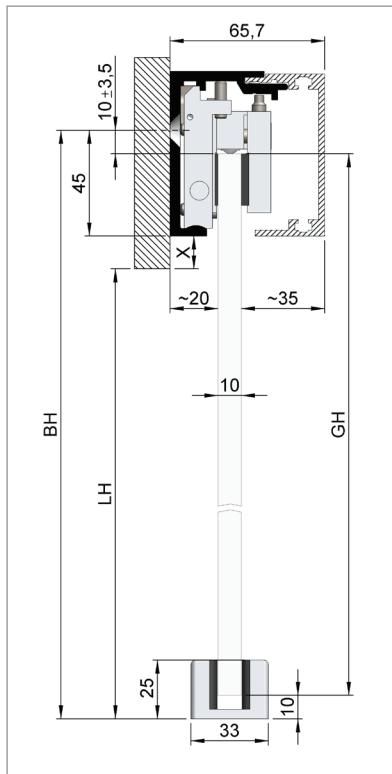
Walk-through distance (DB) covered handle:

$$DB = LW$$

Example: DB = 950.00

All dimensions in millimeter

Wall Mount without fixed glazing



Drilling height (BH):

$$BH = LH + X + 45$$

Glass height (GH):

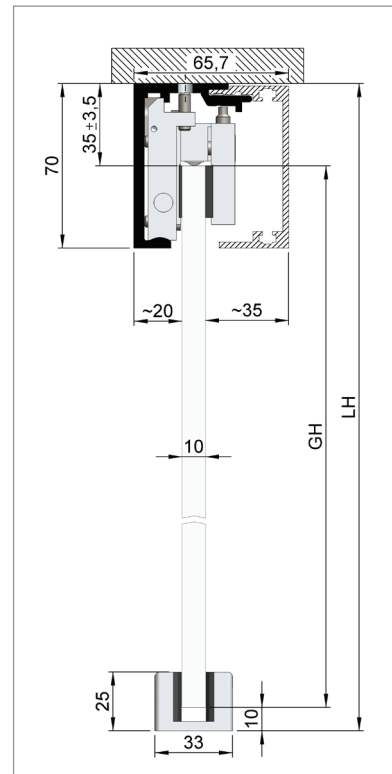
$$GH = BH - 10 - 10$$

Part-no.: BO 51 015 51

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Part-no.: BO 51 015 62

Ceiling Mount without fixed glazing



Glass height (GH):

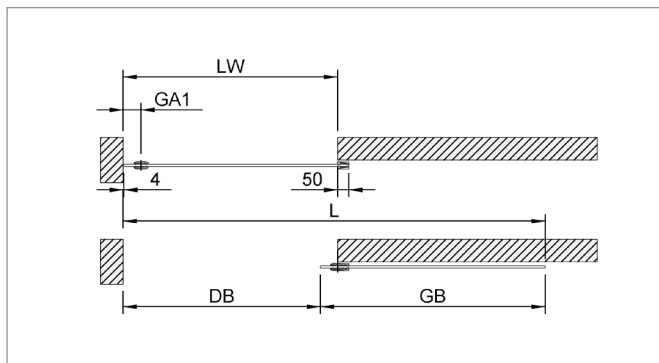
$$GH = LH - 10 - 35$$

Part-no.: BO 51 015 51

to

Part-no.: BO 51 015 62

Wall/ceiling mount without fixed glazing with end wall, half covered flat handle.



Legend:

LH = Clear height
LW = Clear width
BH = Drill height
GH = Glass height
GB = Width Door panel
MG = Door handle
L = Track length
GA1 = Handle distance 1
GA2 = Handle distance 2
GD = Glass thickness
DB = Walk through distance
G = Weight
T = Cover profile length
S = Side panel
BP = Floor profile
GHS = Height side panel

Panel without fixed glazing

Example: GH = 2157.00; GA1 = 80.00; GD = 10.00;

LW = 950.00; GA2 = 60.00

Width Door Panel (GB):

$$GB = LW + 50.00 - 4.00$$

Example: GB = 950.00 + 50.00 - 4.00 = 996.00

Weight door panel (G) = lbs:

$$G = GH \times GB \times GD \times 0.0000025$$

Example: 2157.00 x 996.00 x 10.00 x 0.0000025 = 53.71 kg

Track length (L) door handle (covered):

$$L = GB + LW - GA1 + 4.00$$

Example: L = 996.00 + 950.00 - 80.00 + 4.00 = 1870.00

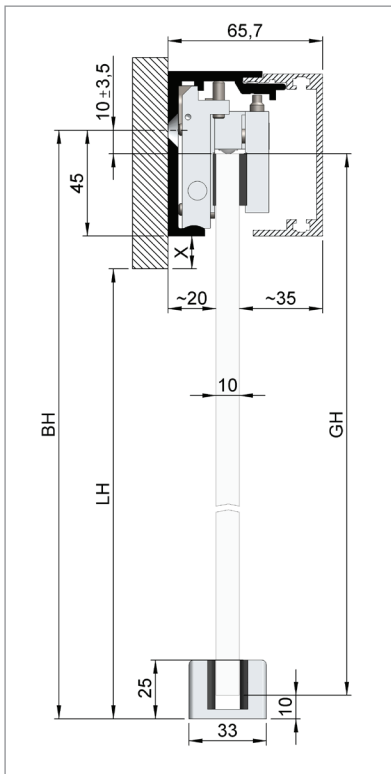
Walk-through distance (DB) door handle (covered):

$$DB = LW - GA1 + 4.00$$

Example: DB = 950.00 - 80.00 + 4.00 = 874.00

All dimensions in millimeter

Wall Mount without fixed glazing



Drilling height (BH):

$$BH = LH + X + 45$$

Glass height (GH):

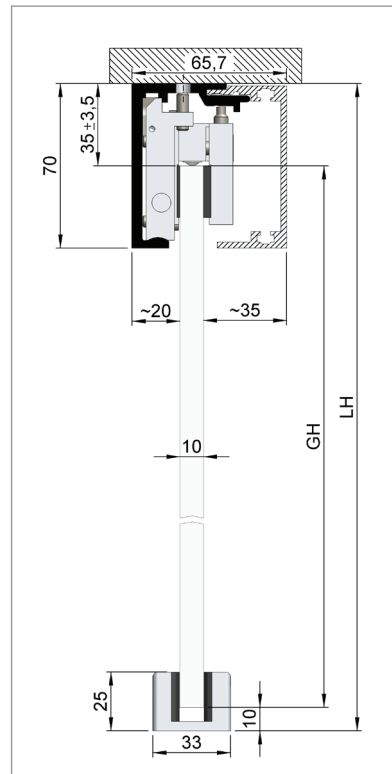
$$GH = BH - 10 - 10$$

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Ceiling Mount without fixed glazing



Glass height (GH):

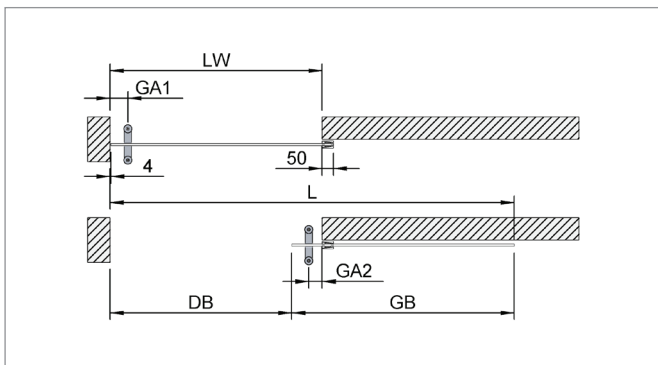
$$GH = LH - 10 - 35$$

Part-no.: BO 51 015 51

to

Part-no.: BO 51 015 62

Wall/ceiling mount without fixed glazing with end wall, ladder handle



Legend:

LH = Clear height
LW = Clear width
BH = Drill height
GH = Glass height
GB = Width Door panel
MG = Door handle
L = Track length
GA1 = Handle distance 1
GA2 = Handle distance 2
GD = Glass thickness
DB = Walk through distance
G = Weight
T = Cover profile length
S = Side panel
BP = Floor profile
GHS = Height side panel

Panel without fixed glazing

Example: GH = 2157.00; GA1 = 80.00; GD = 10.00;

LW = 950.00; GA2 = 60.00

Width Door Panel (GB):

$$GB = LW + 50.00 - 4.00$$

Example: GB = 950.00 + 50.00 - 4.00 = 996.00

Weight door panel (G) = lbs:

$$G = GH \times GB \times GD \times 0.0000025$$

Example: G = 2157.00 x 996.00 x 10.00 x 0.0000025 = 53.71 kg

Track length (L):

$$L = GB + LW - GA1 - GA2 + 4.00$$

Example: L = 996.00 + 950.00 - 80.00 - 60.00 + 4.00 = 1810.00

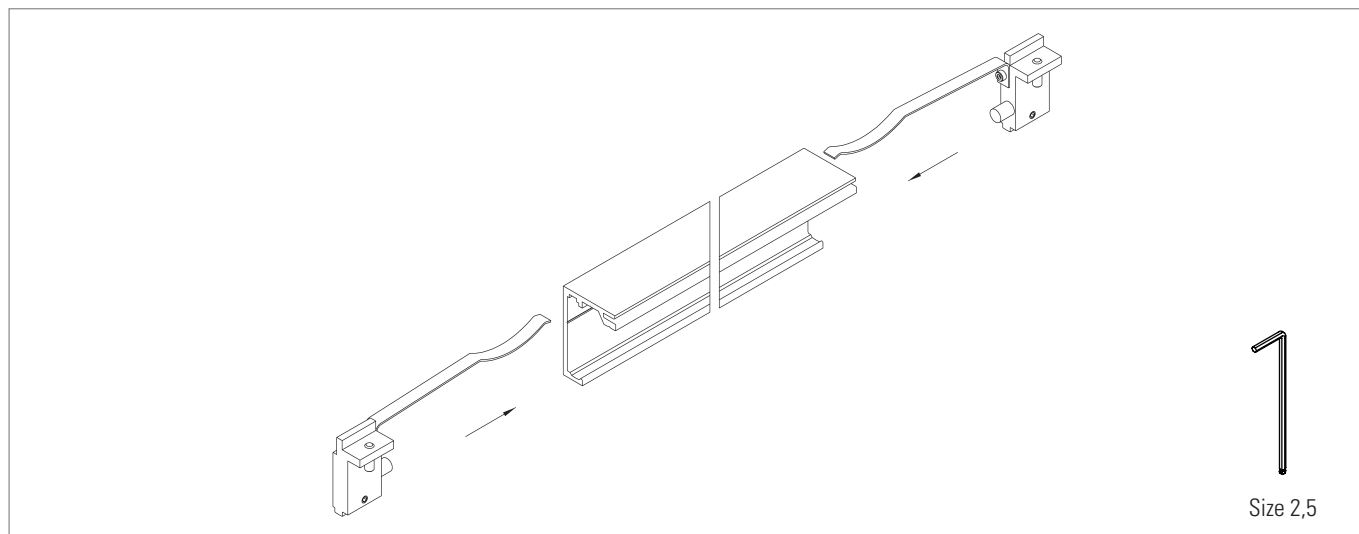
Walk-through distance (DB)

$$DB = LW - GA1 - GA2 + 4.00$$

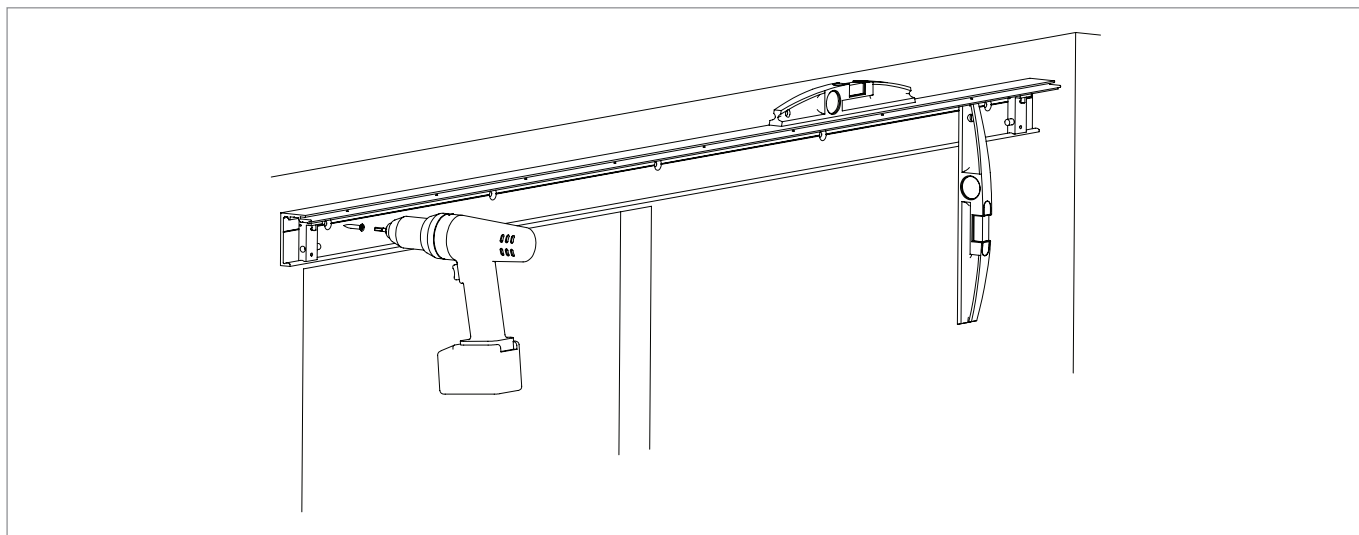
Example: DB = 950.00 - 80.00 - 60.00 + 4.00 = 814.00

All dimensions in millimeter

Installation without fixed glazing

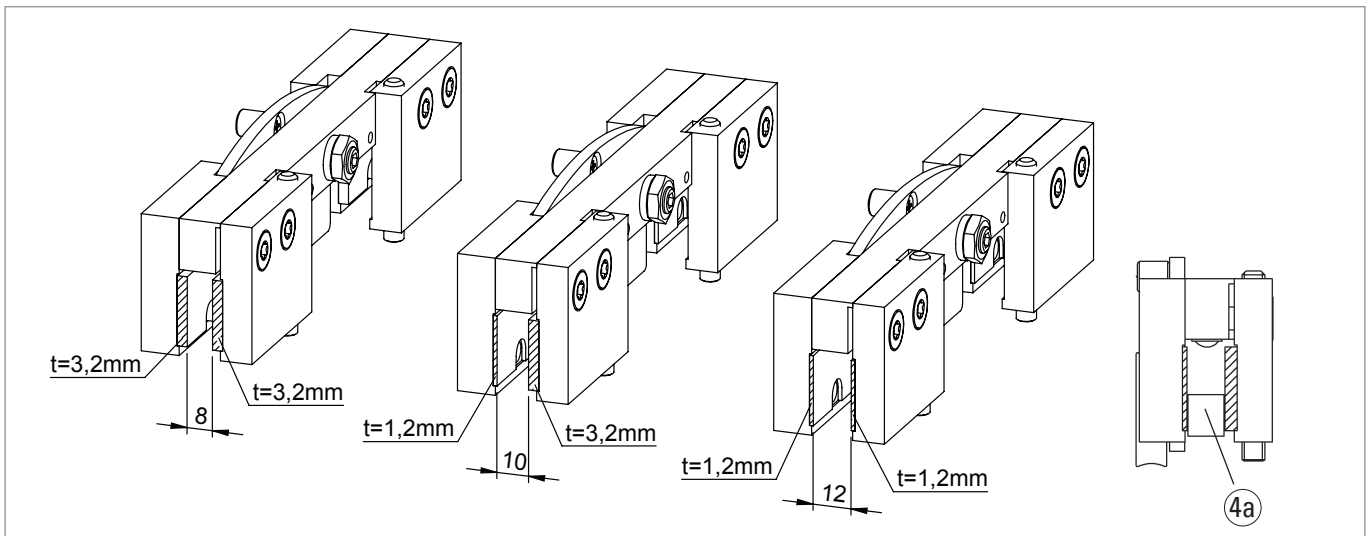


- 1 Slide stoppers into track and position in desired location without covering any fixing bore holes.

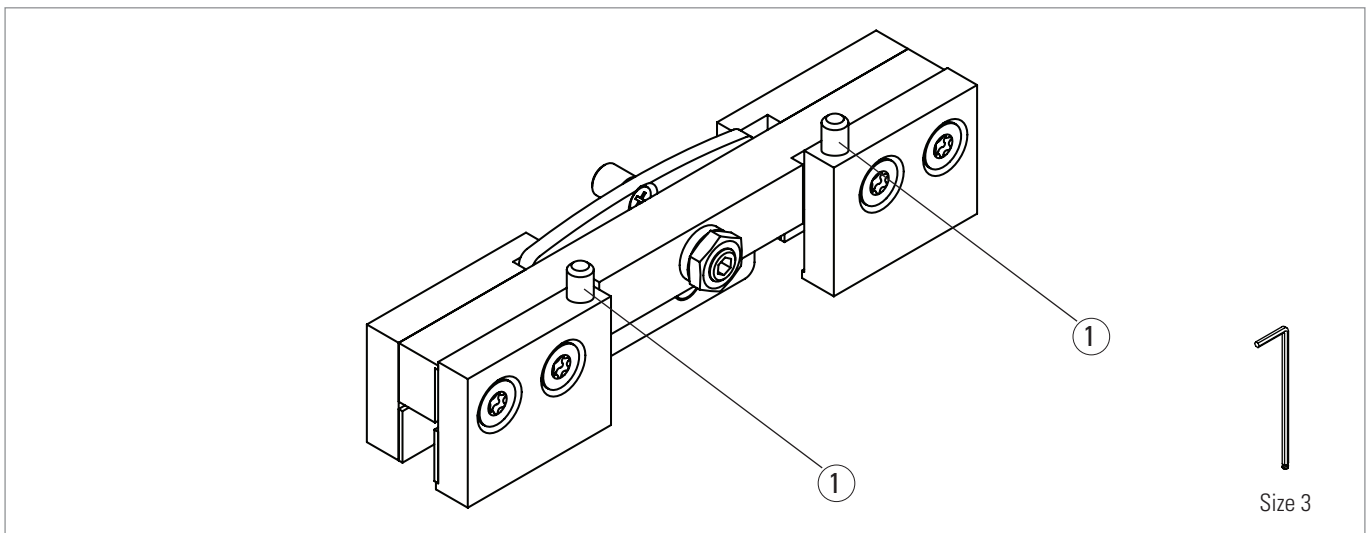


- 2 Install track level either onto wall or ceiling.
NOTE: Fix track only with suitable load bearing materials. (stud or solid wood blocking)

Installation without fixed glazing

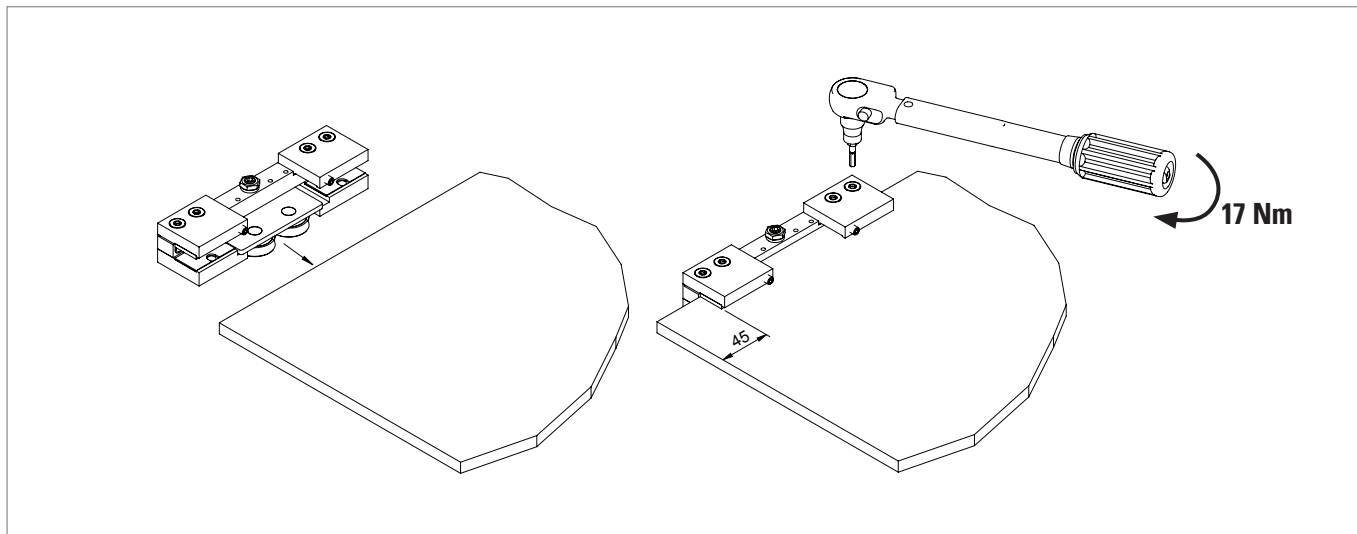


- 3** The top hangers are preassembled in the factory for a laminated safety glass pane. If using a tempered glass, the bolts including the sleeves (4a) must be removed. The clamping inserts must be attached onto the clamping jaws of the top clamp according to the glass thickness. Please peel off the sticker to use self adhesive surface.



- 4** Clean the glass pane with, e.g. white spirits or acetone in the area to be clamped. We also recommend that you clean the clamping surfaces of the clamp. Lower safety screws (1) until they are flush with clamping plate.

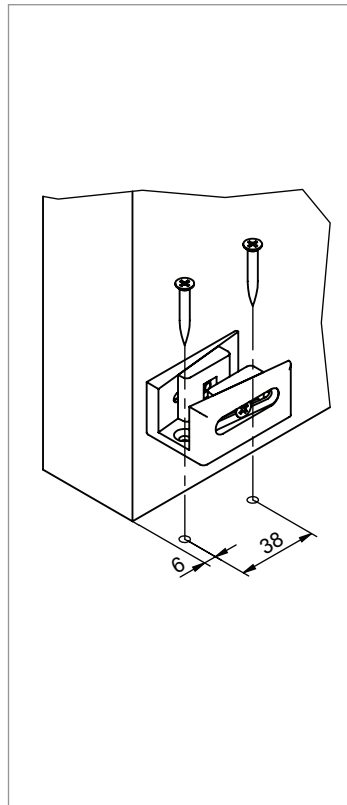
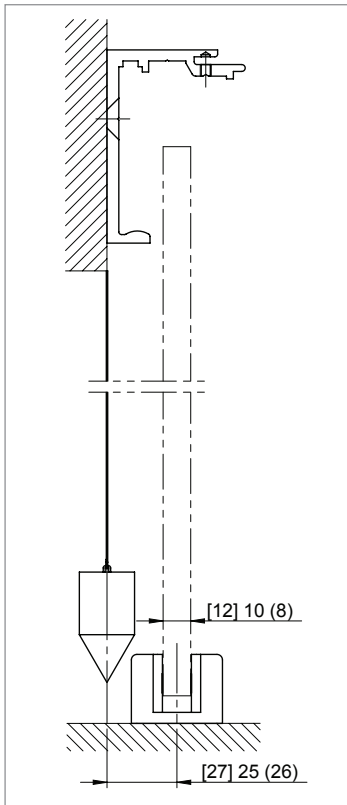
Installation without fixed glazing



- 5 Push the top clamp onto the glass pane until the protective rubber pushes against the top of the pane. Position each of the clamps 45 mm from the edge of the glass. Tighten clamp with a torque of 17 Nm and use a torque wrench with Torx bit (TX30).

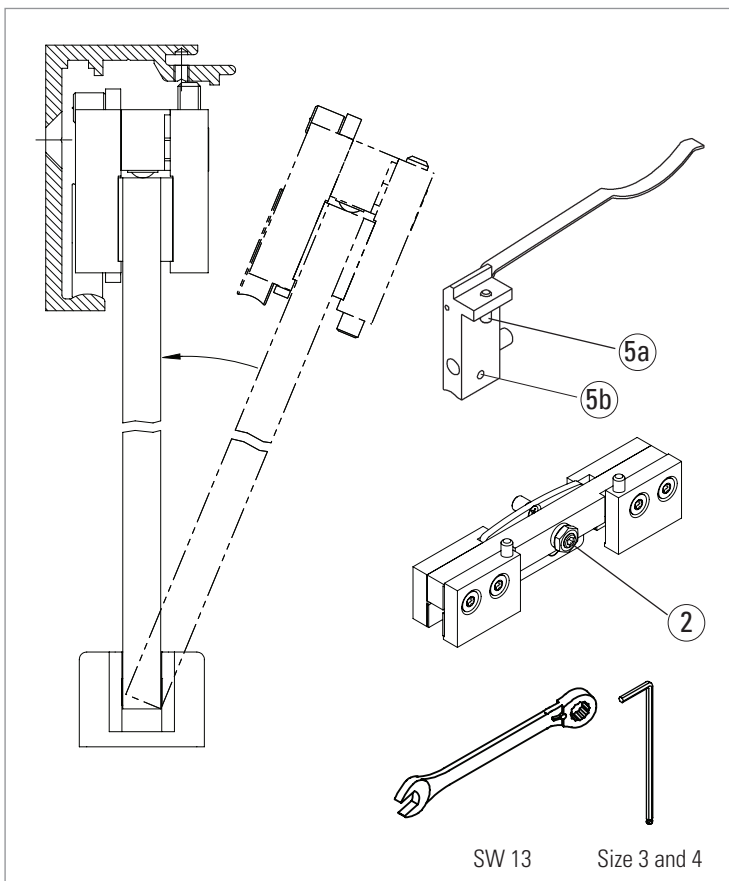
IMPORTANT: When installing door damper /soft close system, please refer to separate instructions. Different positioning of clamps required.

Installation without fixed glazing



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Use a plumb bob to determine the position of the bottom guide. Transfer drilling pattern, drill and fix the bottom guide.



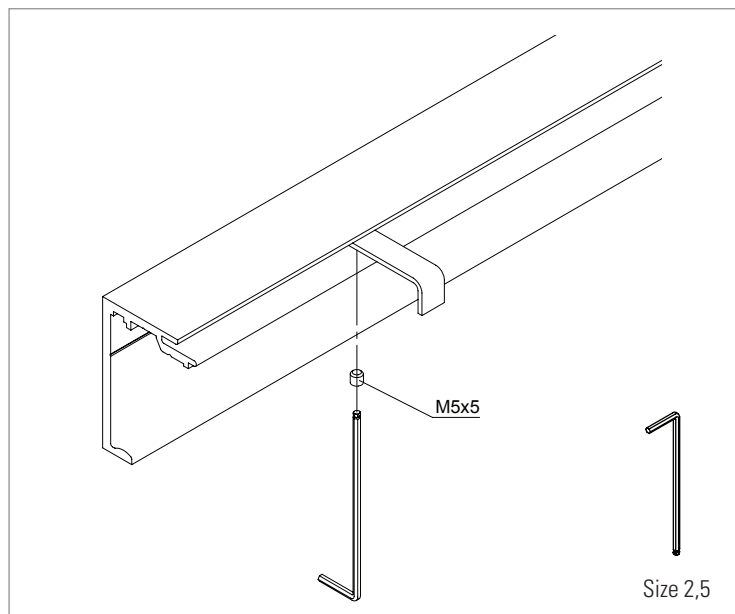
IMPORTANT: Clean running surface before inserting door. All rollers are equipped with maintenance free bearings and should not be greased.

Position the door pane in the track and align using the eccentric screws (2) and a level. Then tighten the eccentric screws (2) using the counter nuts. Turn the locking screws until they are in light contact with the track, then turn them back again by a ½ turn.

Important: The locking screws serve as the anti-jump system and prevent the door from jumping if improperly used.

Position the trolley stops in the track at the respective end of the track so that the required door opening is achieved and clamp as follows: screw the top screw (5a) on the stopper until the component has set in the track. Now tighten the bottom screw (5b) slightly. Then re-tighten both screws by turning them a additional ¼ turn.

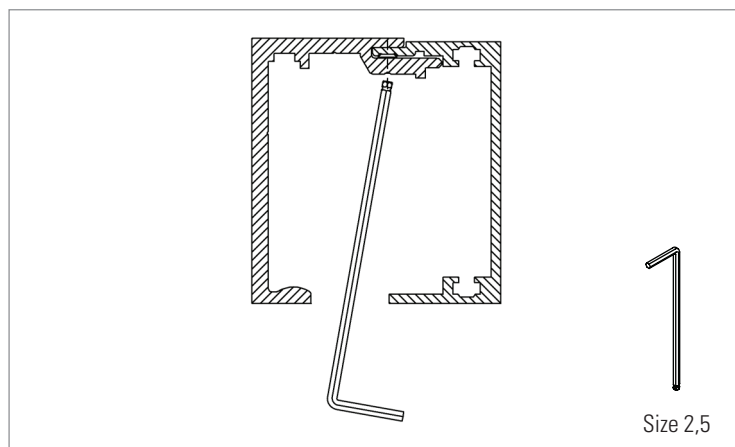
Installation without fixed glazing



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Screw the clamping screws (M5x5) for the pelmet into the track. Use the spacer plate to determine the depth. Tighten the screws until they lightly touch the spacer plate.

Only use the threaded holes, which are accessible from the bottom when the door is moved.

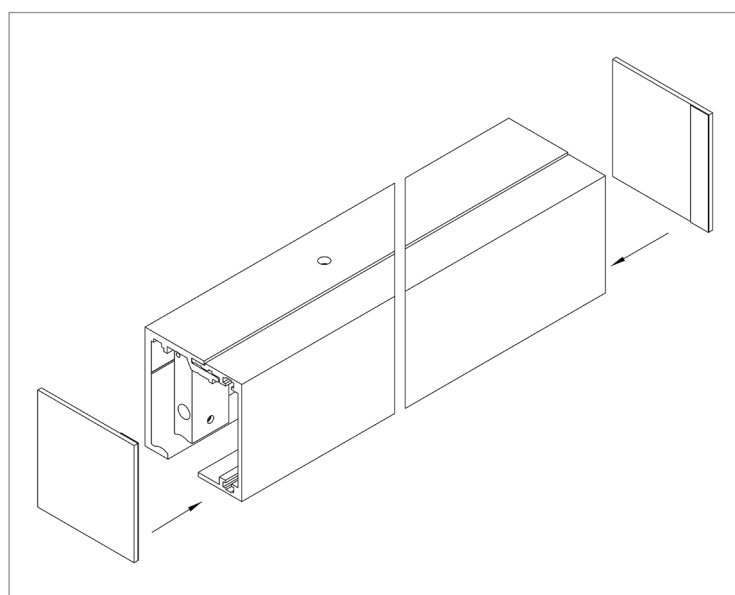


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Clip the cover in the track, position, apply pressure to cover to snap in place and use the Allen key to tighten the clamping screws. Start in the walk-through area.

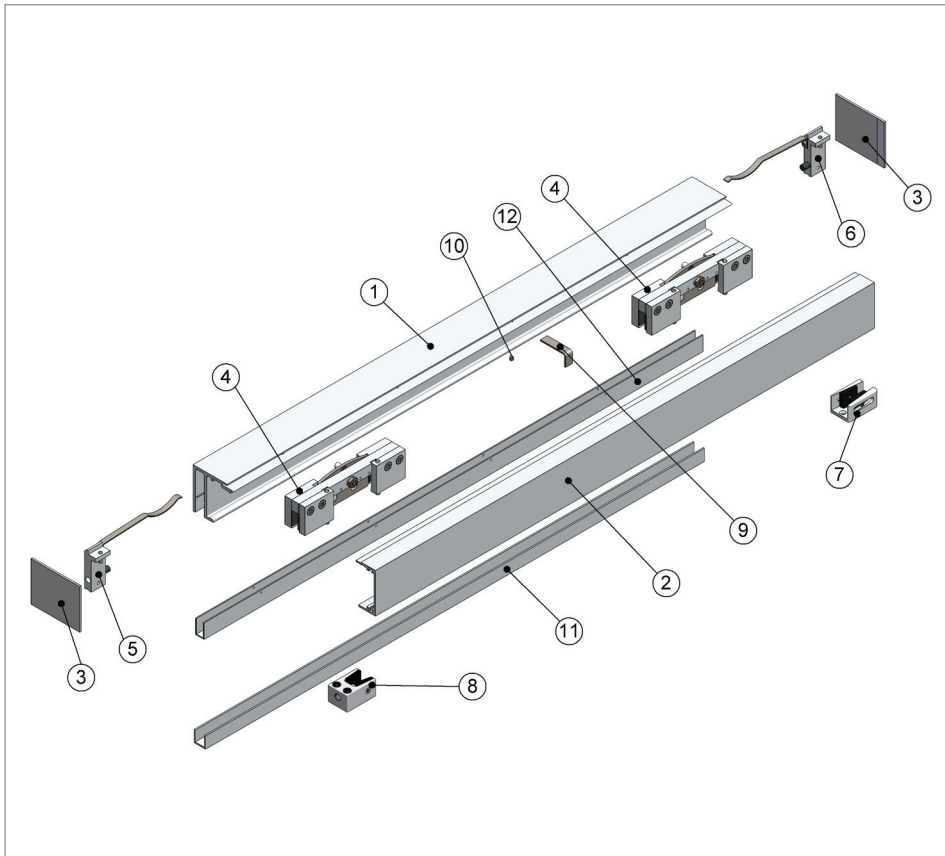
The Allen key can be guided from screw to screw in the guide groove.

Important: When dismantling the cover, completely remove the clamping screws.

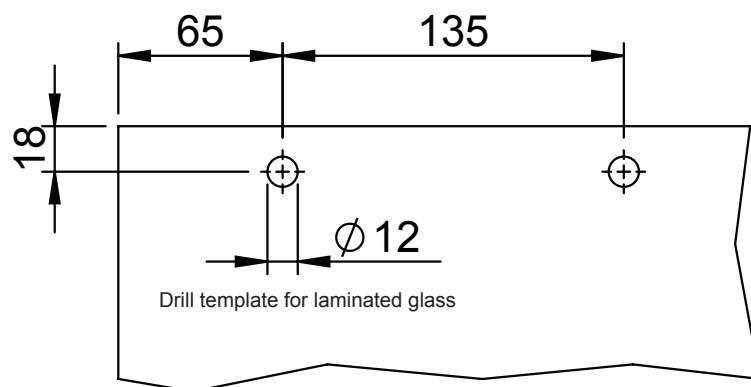


When using the optional end caps: Clean both end surfaces of the profile with Bohle Special cleaner or acetone before attaching end caps.

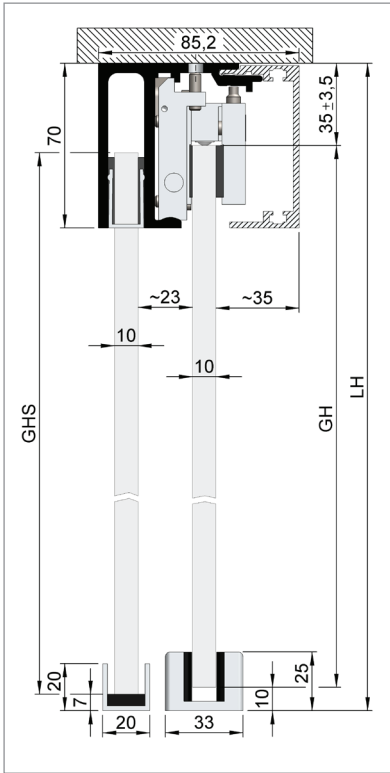
Scope of delivery B0 51 015 63 to B0 51 015 68



1. Track without fixed glazing
2. Cover
3. Caps (Optional)
4. Top Clamp
5. End stop, left-hand side
6. End stop, right-hand side
7. Bottom guide
8. Bottom bump stop (Optional)
9. Spacer plate
10. Screw M5 x 5
11. U-channel for side panel
12. Cover profile

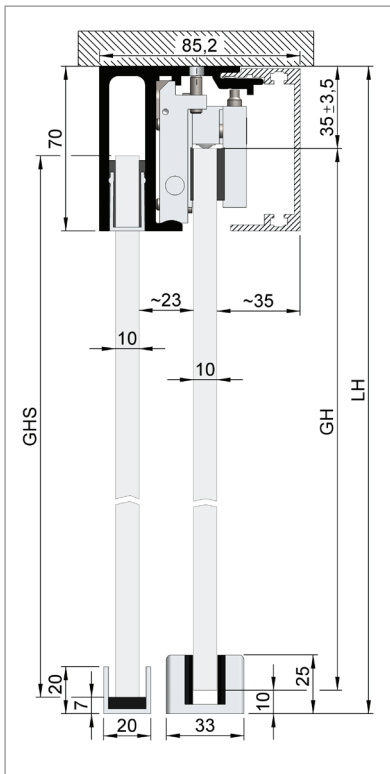


Ceiling mount with fixed glazing - continuous wall with covered flat handle



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Ceiling mount with fixed glazing continuous wall, ladder handle



Glass height (GH):

$$GH = LH - 10 - 35$$

$$GHS = LH - 43$$

Part-no.: BO 51 015 63

to

Part-no.: BO 51 015 68

Panel with fixed glazing

Example: GH = 2157.00; GA1 = 80.00; GD = 10.00;

$$LW = 1800.00; GA2 = 60.00$$

Track length (L):

$$L = LW + 60.00$$

$$\text{E.g.: } L = 1800.00 + 60.00 = 1860.00$$

Cover profile length (T):

$$T = L - S$$

$$\text{E.g.: } T = 1860.00 - 870.00 = 990.00$$

Width Door Panel (GB) max. DB

$$GB = \frac{LW + 90.00 + GA1 + GA2 - 50.00}{2.00}$$

$$\text{E.g.: } GB = \frac{1800.00 + 90.00 + 80.00 + 60.00 + 50.00}{2.00} = 1040$$

Weight door panel (G) in kg:

$$G = GH \times GB \times GD \times 0.0000025$$

$$\text{E.g.: } G = 2157.00 \times 1040.00 \times 10.00 \times 0.0000025 = 56.08 \text{ kg}$$

Glass weight with fixed glazing (S) max. DB

$$S = \frac{LW + 30.00 - GA1 - GA2 + 50.00}{2.00}$$

$$\text{E.g.: } S = \frac{1800.00 + 30.00 - 80.00 - 60.00 + 50.00}{2.00} = 870.00$$

Length u-channel (BP):

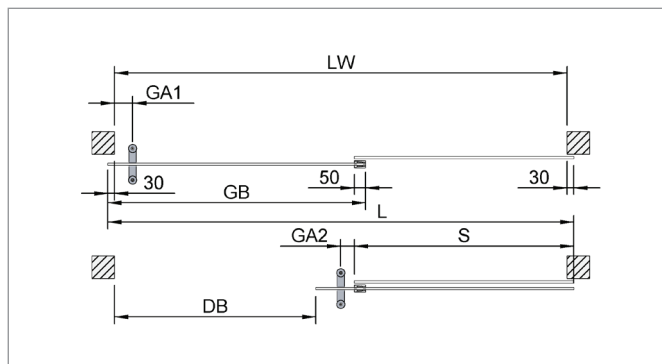
$$BP = S$$

$$\text{E.g.: } BP = 870.00$$

Walk-through distance (DB):

$$DB = \frac{LW}{2} - GA1 - GA2 + 30.00$$

$$\text{E.g.: } DB = \frac{1800.00}{2} - 80.00 - 60.00 + 30.00 = 790.00$$

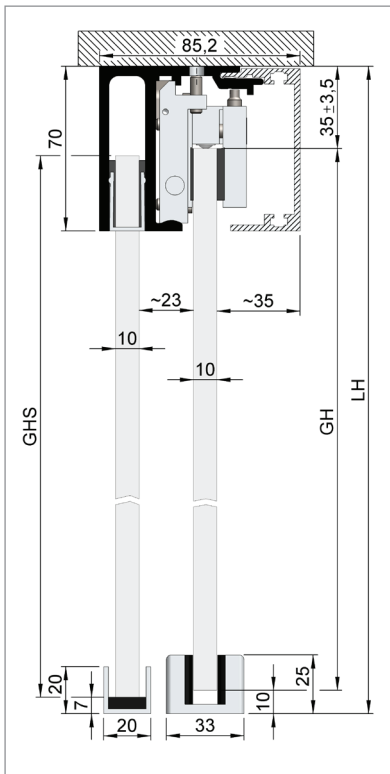


Legend:

- LH = Clear height
- LW = Clear width
- BH = Drill height
- GH = Glass height
- GB = Width Door panel
- MG = Door handle
- L = Track length
- GA1 = Handle distance 1
- GA2 = Handle distance 2
- GD = Glass thickness
- DB = Walk through distance
- G = Weight
- T = Cover profile length
- S = Side panel
- BP = Floor profile
- GHS = Height side panel

All dimensions in millimeter

Ceiling wall with fixed panel, fixed wall, covered flat handle



Glass height (GH):

$$GH = LH - 10 - 35$$

$$GHS = LH - 43$$

Part-no.: BO 51 015 63

to

Part-no.: BO 51 015 68

Panel with fixed glazing

Example: GH = 2157.00; GA1 = 80.00; GD = 10.00;

LW = 1800.00; GA2 = 60.00

Track length (L):

$$L = LW$$

E.g.: L = 1800.00

Cover profile length (T):

$$T = L - S - 4.00$$

E.g.: T = 1800.00 - 921.00 - 4.00 = 875.00

Width Door Panel (GB) max. DB. door handle (covered):

$$GB = \frac{LW + 50.00 - 8.00}{2.00}$$

E.g.: GB = $\frac{1800.00 + 50.00 - 8.00}{2.00} = 921.00$

Weight door panel (G) in kg door handle (covered):

$$G = GH \times GB \times GD \times 0.0000025$$

E.g.: G = 2157.00 x 921.00 x 10.00 x 0.0000025 = 49.66 kg

Glass weight with fixed glazing (S) max. DB. door handle (covered):

$$S = \frac{LW + 50.00 - 8.00}{2.00}$$

E.g.: S = $\frac{1800.00 + 50.00 - 8.00}{2.00} = 921.00$

Length u-channel (BP) door handle (covered):

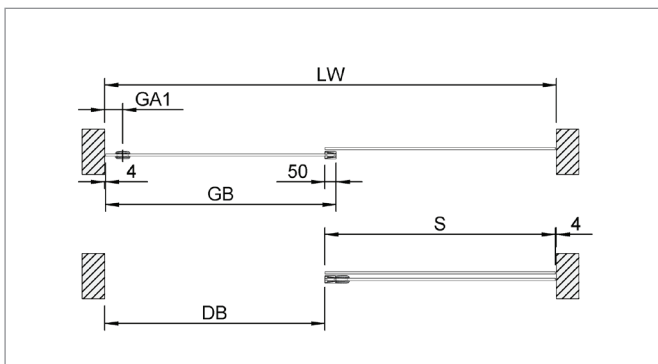
$$BP = S + 4.00$$

E.g.: BP = 921.00 + 4.00 = 925.00

Walk-through distance (DB) door handle (covered):

$$DB = L - S - 4.00$$

E.g.: DB = 1800.00 - 921.00 - 4.00 = 875.00

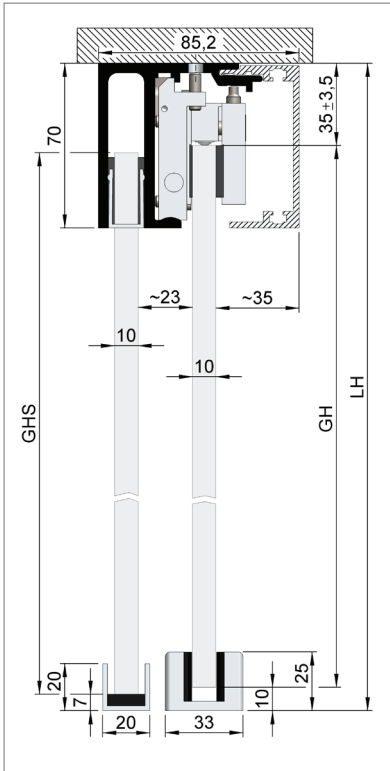


Legend:

LH = Clear height
LW = Clear width
BH = Drill height
GH = Glass height
GB = Width Door panel
MG = Door handle
L = Track length
GA1 = Handle distance 1
GA2 = Handle distance 2
GD = Glass thickness
DB = Walk through distance
G = Weight
T = Cover profile length
S = Side panel
BP = Floor profile
GHS = Height side panel

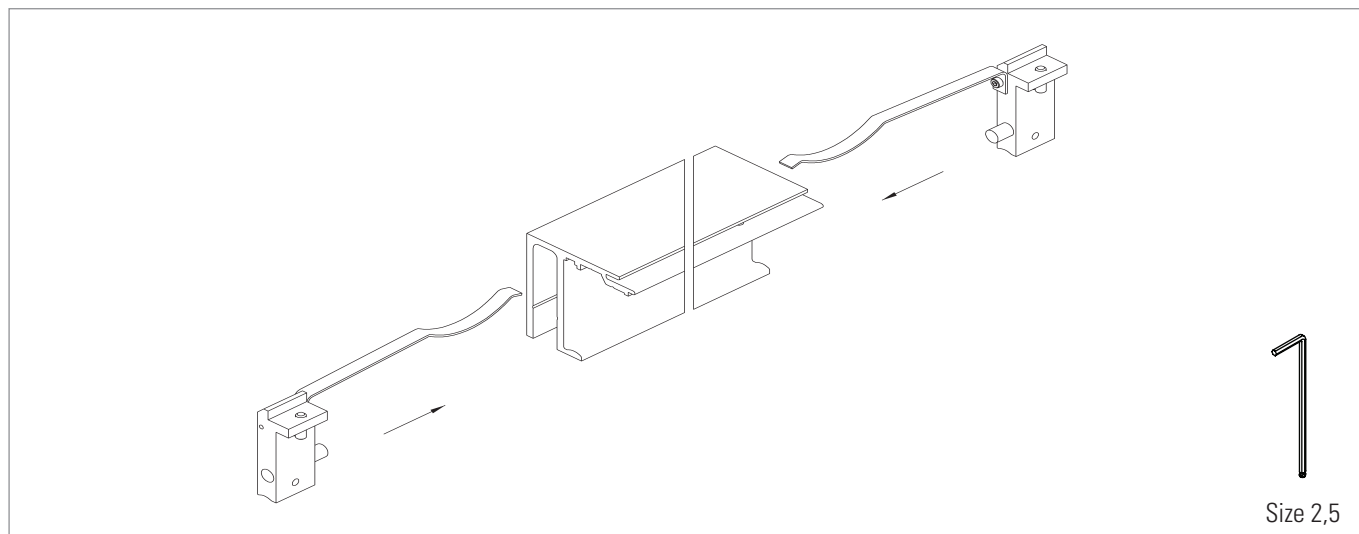
All dimensions in millimeter

Ceiling mount with fixed glazing and fixed wall, ladder handle

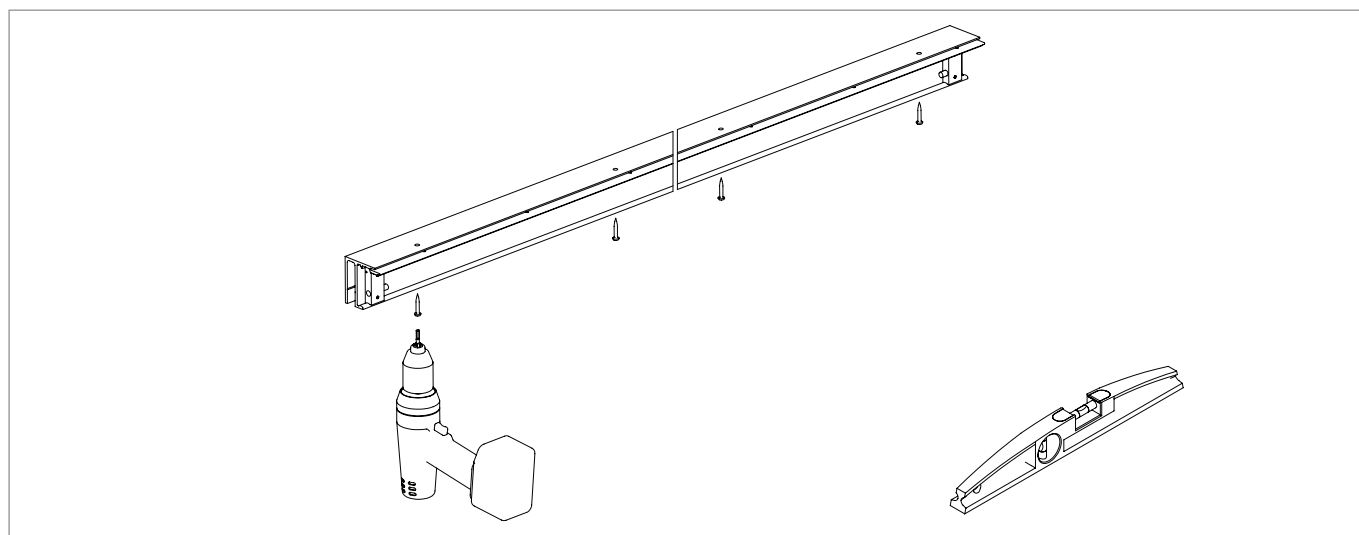


21

Installation with fixed glazing

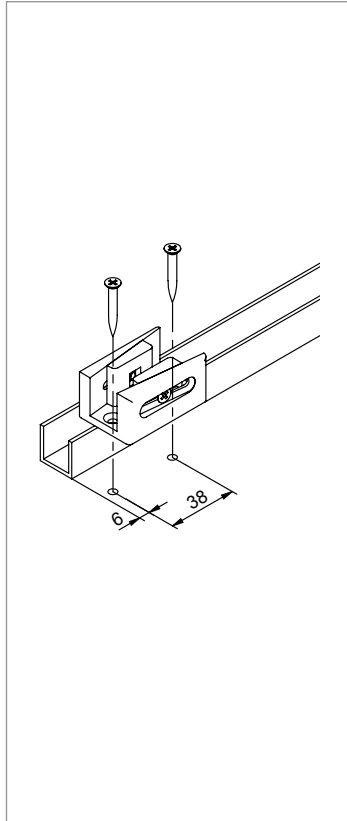
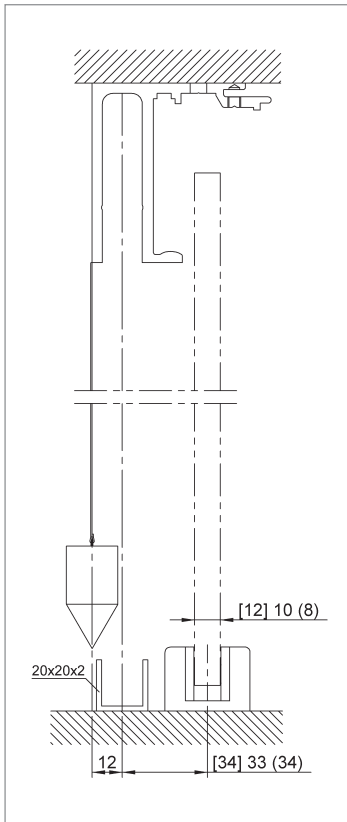


- 1 Slide stoppers into track and position in desired location without covering any fixing bore holes.



- 2 Install track level onto ceiling.
NOTE: Fix track only with suitable load bearing materials. (stud or solid wood blocking)

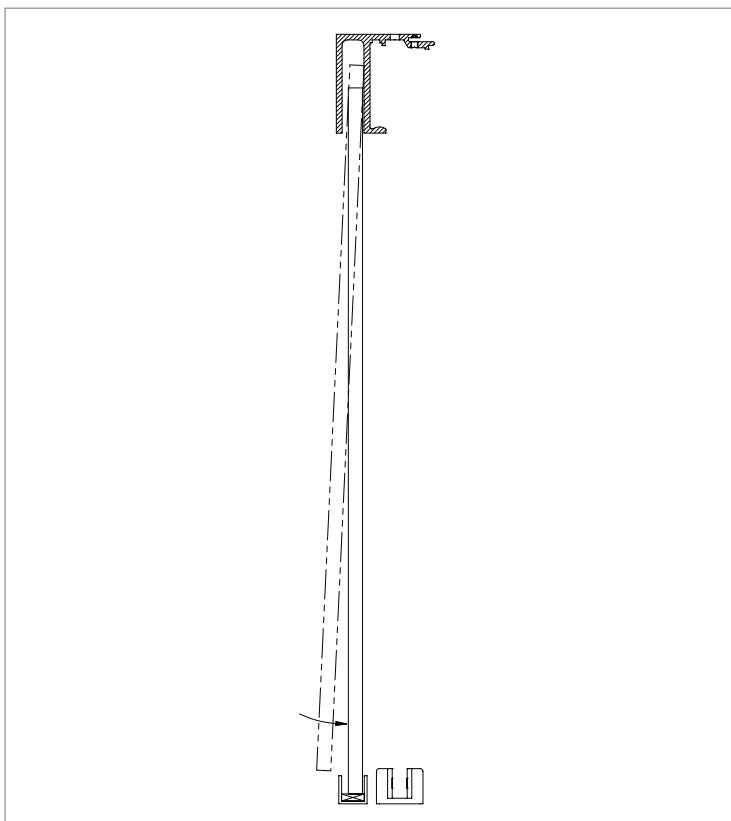
Installation with fixed glazing



3

Use a plumb bob to determine the position of the bottom guide. Transfer drilling pattern, drill and fix the bottom guide.

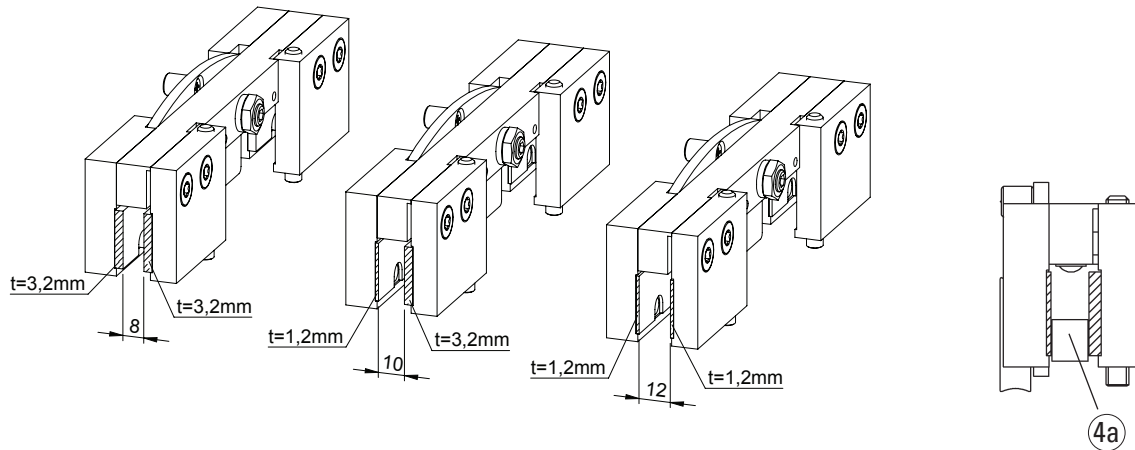
Clean U-channel (20 x 20 x 2 mm) and insert setting blocks (5 x 15 mm) into u-channel



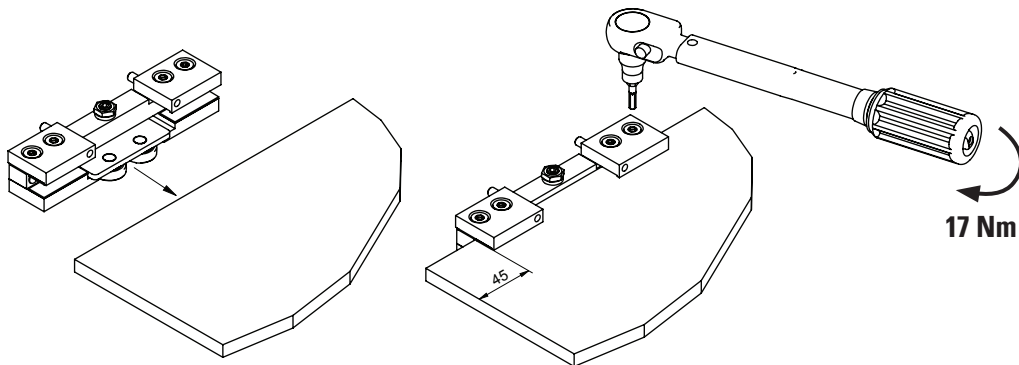
4

To insert the side panel, slightly tilt it and lift it into the u-shaped channel of the track until it fits above the channel at the bottom. Then position and align the pane and use plastic setting blocks to clamp it at the top and bottom at the sides. Or when using 10 mm glass, use rubber profile BO 5214763.

Installation with fixed glazing



- 5** The top hangers are preassembled in the factory for a laminated safety glass pane. If using tempered glass, the bolts including the sleeves (4a) must be removed. The clamping inserts must be attached onto the clamping jaws of the top hangers according to the glass thickness. Please peel of sticker to use self adhesive surface.

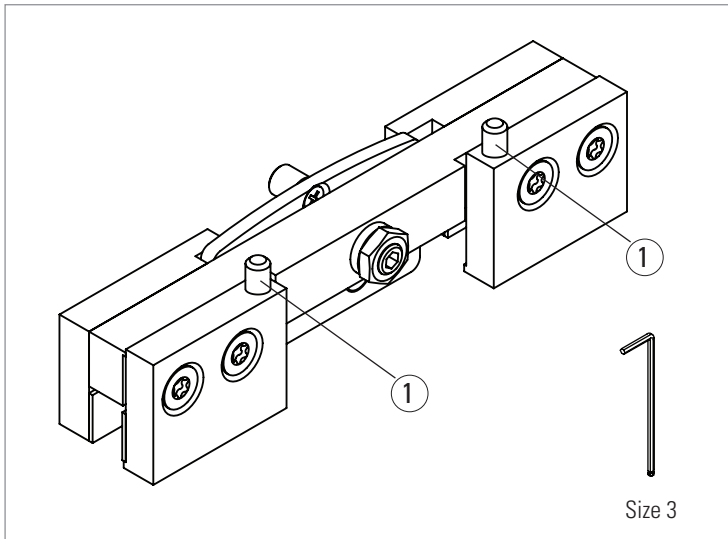


- 6** Push the top clamp onto the glass pane until the protective rubber pushes against the top of the pane. Position each of the clamps 45 mm from the edge of the glass. Tighten clamp with a torque of 17 Nm and use a torque wrench with Torx bit (TX30).

IMPORTANT:

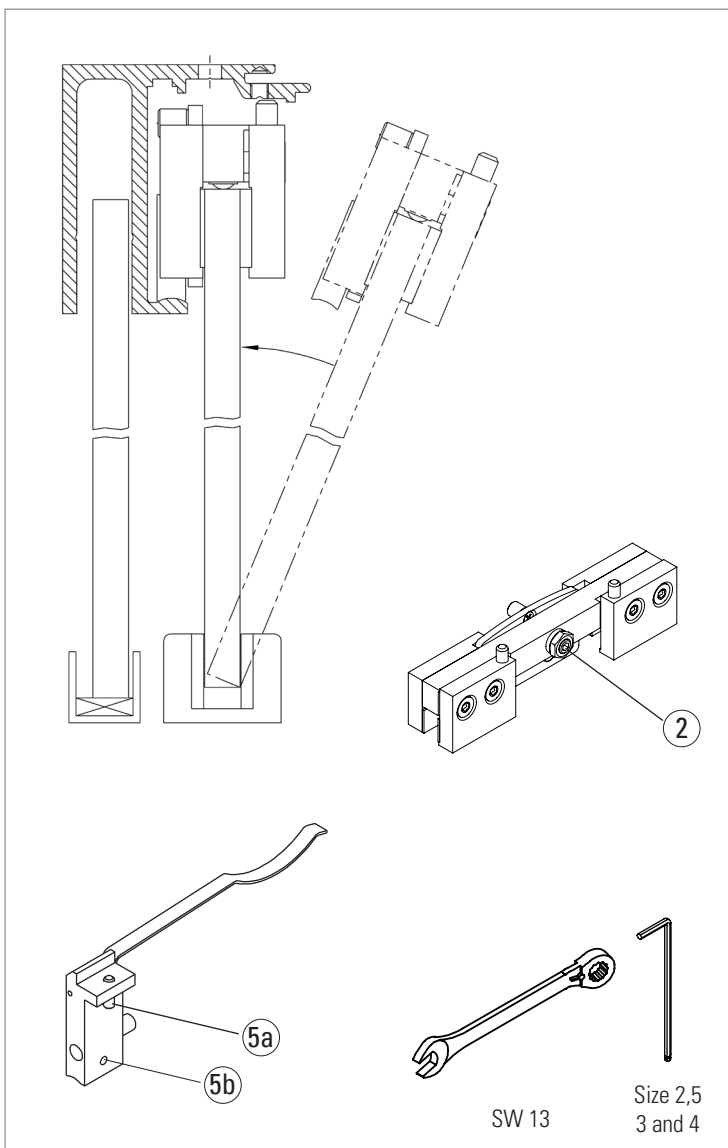
**When installing door damper/soft close system, please refer to separate instructions.
Different positioning of clamps required.**

Installation with fixed glazing



7

Clean the glass pane with, e.g. white spirits or acetone in the area to be clamped. We also recommend that you clean the clamping surfaces of the clamp. Lower safety screws (1) until they are flush with clamping plate.



8

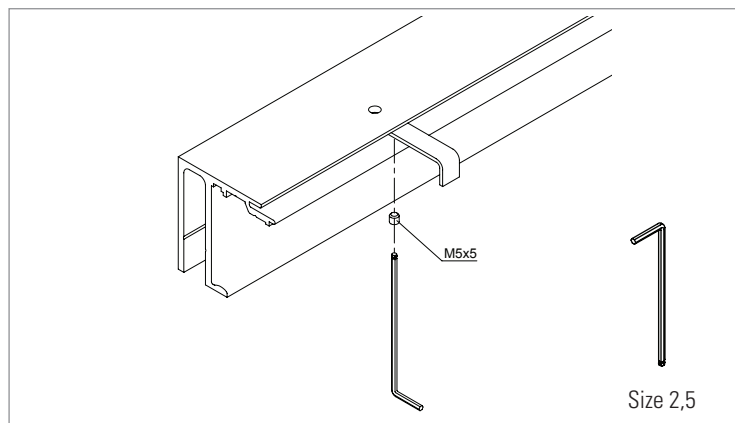
IMPORTANT: Clean running surface before inserting door. All rollers are equipped with maintenance free bearings and should not be greased.

Position the door pane in the track and align using the eccentric screws (2) and a level. Then tighten the eccentric screws (2) using the counter nuts. Turn the locking screws until they are in light contact with the track, then turn them back again by a ½ turn.

Important: The locking screws serve as the anti-jump system and prevent the door from jumping if improperly used.

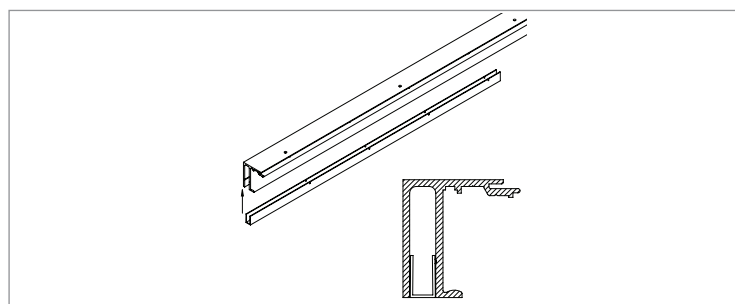
Position the trolley stops in the track at the respective end of the track so that the required door opening is achieved and clamp as follows: screw the top screw (5a) on the stopper until the component has set in the track. Now tighten the bottom screw (5b) slightly. Then re-tighten both screws by turning them a additional ¼ turn.

Installation with fixed glazing



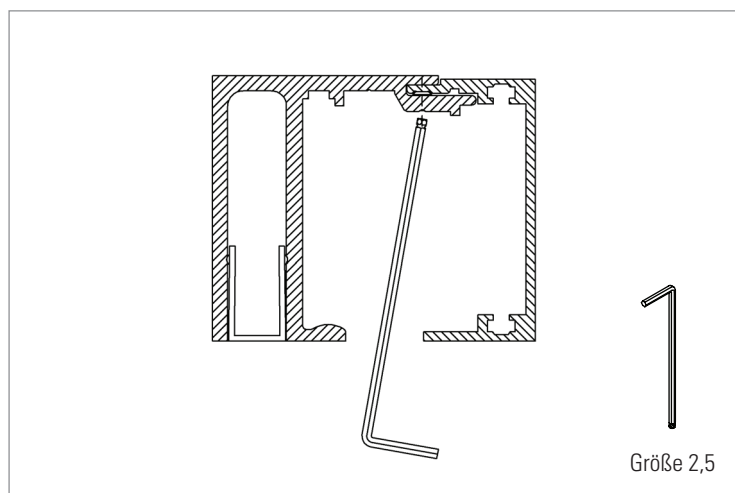
9

Screw the clamping screws (M5x5) for the cover into the track. Use the spacer plate to determine the depth. i.e. turn screws until they lightly touch the spacer plate. Only use the threaded holes, which are accessible from below when the door is moved



10

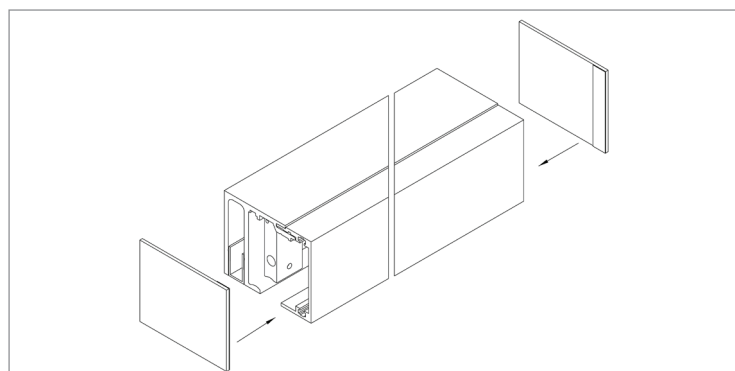
If necessary, cut cover to size and insert into the channel of the side panel in the walk through area



11

Clip the cover in the track, position, apply pressure to cover to snap in place and use the Allen key to tighten the clamping screws. Start in the walk-through area. The Allen key can be guided from screw to screw in the guide groove.

Important: When dismantling the cover, completely remove the clamping screws.



When using the optional end caps: Clean both end surfaces of the profile with Bohle Special cleaner or acetone before attaching end caps.

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