STEALTHPIVOT

By PortaPivot

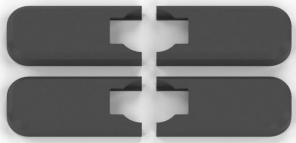
ASSEMBLY MANUAL 5730

StealthPivot NL SET

2 x SP-PHE (=NL)

4 x SP-CRL

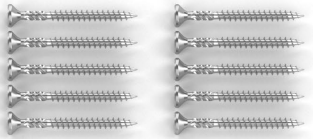
2 x SP-PZOV 1 mm



4 x PAP-ADKPB

2 x SP-PZOV 1.5 mm

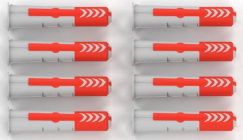
2 x SP-PZOV 3 mm



10 x Maxxfast CST 4.5x50

4 x Maxxfast CK 6x50

4 x screw M4x10

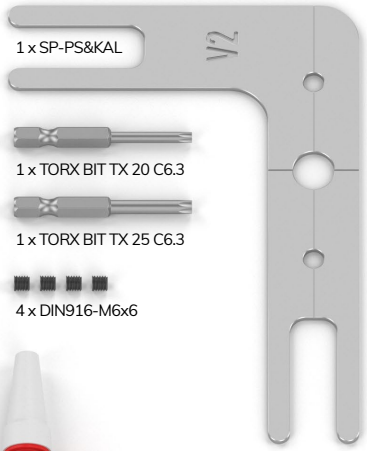


8 x Fisher Duopower 8x40

1 x PAP-1W

2 x PAP-2W

2 x magnet



1 x SP-PS&KAL

1 x TORX BIT TX 20 C6.3

1 x TORX BIT TX 25 C6.3

4 x DIN916-M6x6

1 x loctite 2700 5 ml

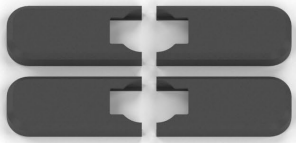
16 x DIN 988-5x10x1 (shims)

StealthPivot XL SET

2 x SP-PHD (=XL)

4 x SP-CRL

4 x SP-PZOV 1 mm



4 x PAP-ADKPB

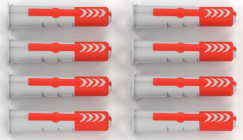
4 x SP-PZOV 1.5 mm

2 x SP-PZOV 3 mm

12 x Maxxfast CST 4.5x50

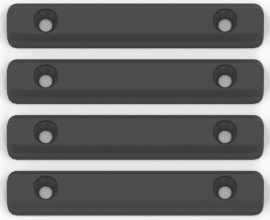
4 x Maxxfast CK 6x50

4 x screw M4x10



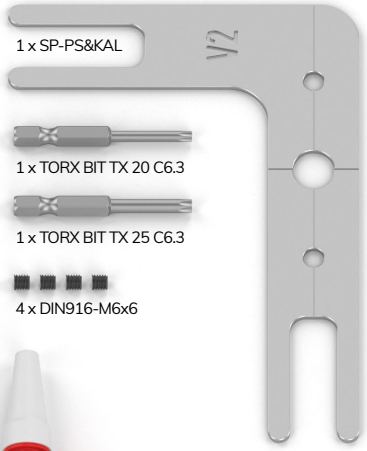
8 x Fisher Duopower 8x40

2 x PAP-1W



4 x PAP-2W

4 x magnet



1 x SP-PS&KAL

1 x TORX BIT TX 20 C6.3

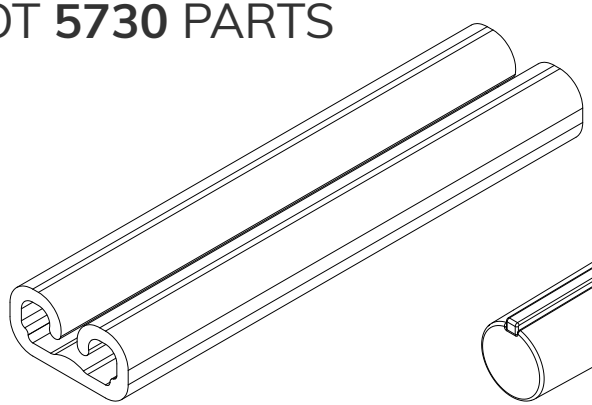
1 x TORX BIT TX 25 C6.3

4 x DIN916-M6x6

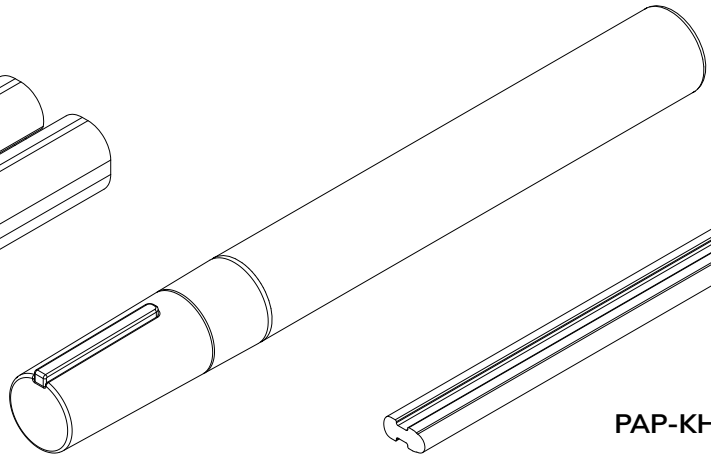
1 x loctite 2700 5 ml

16 x DIN 988-5x10x1 (shims)

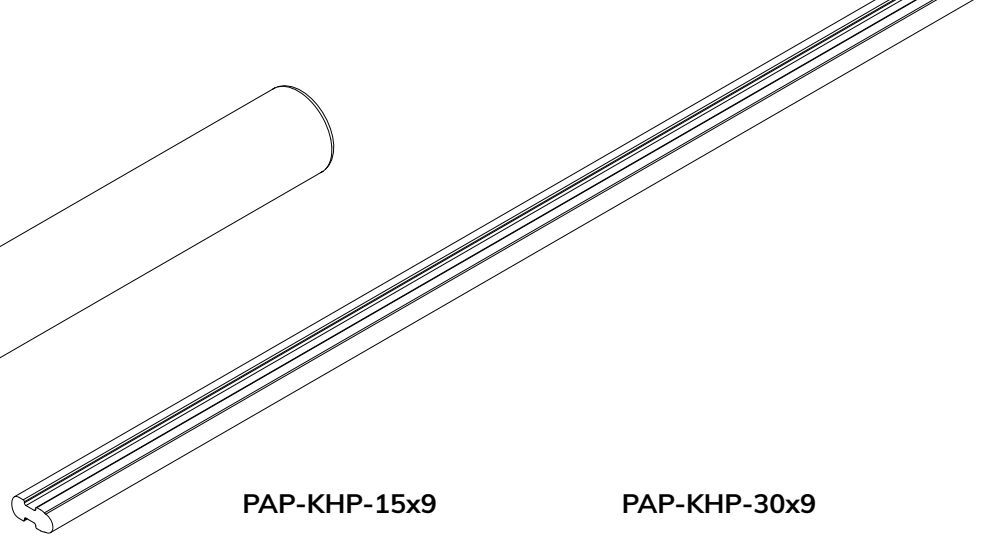
PORTAPIVOT **5730** PARTS



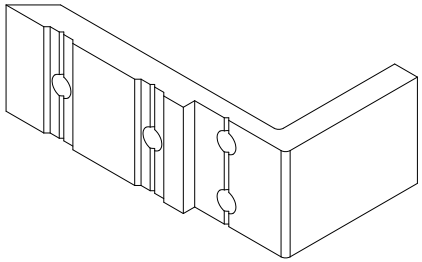
PAP-GLBR6-8



SAW CUT MARKER



GLR68



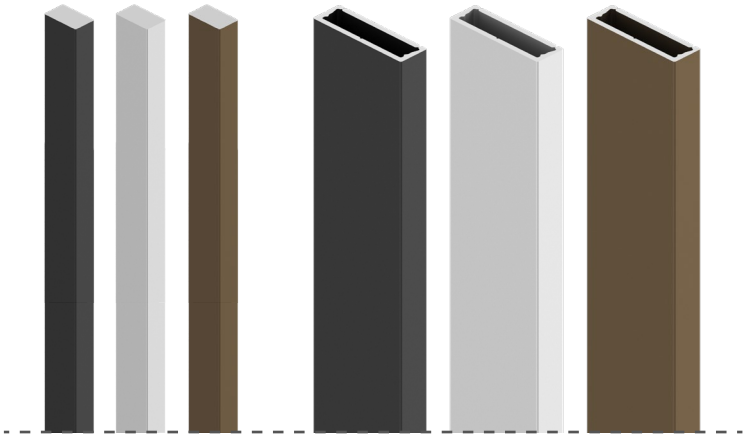
PAP-APV6040/20,25C

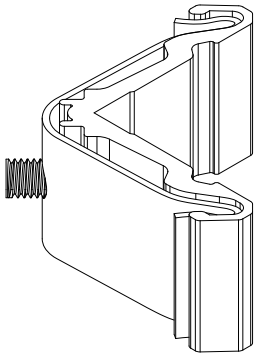
ISO10642-M5x12

BVHVDBLK59-RVS-80x0.8

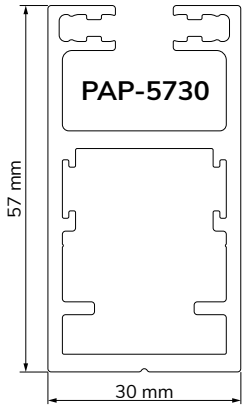
PAP-KHP-15x9

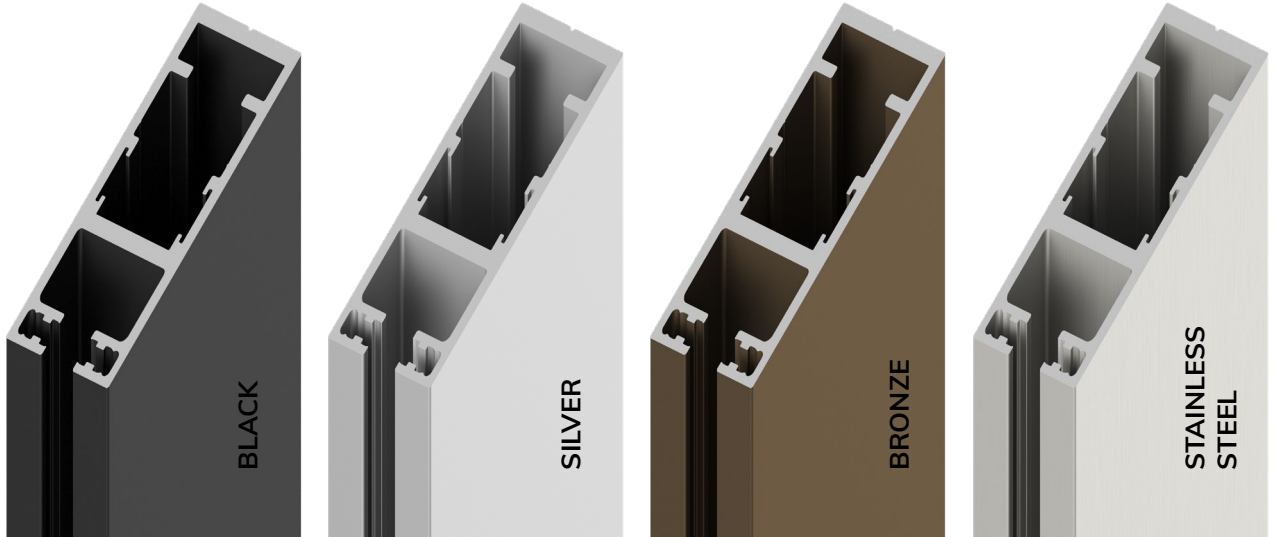
PAP-KHP-30x9





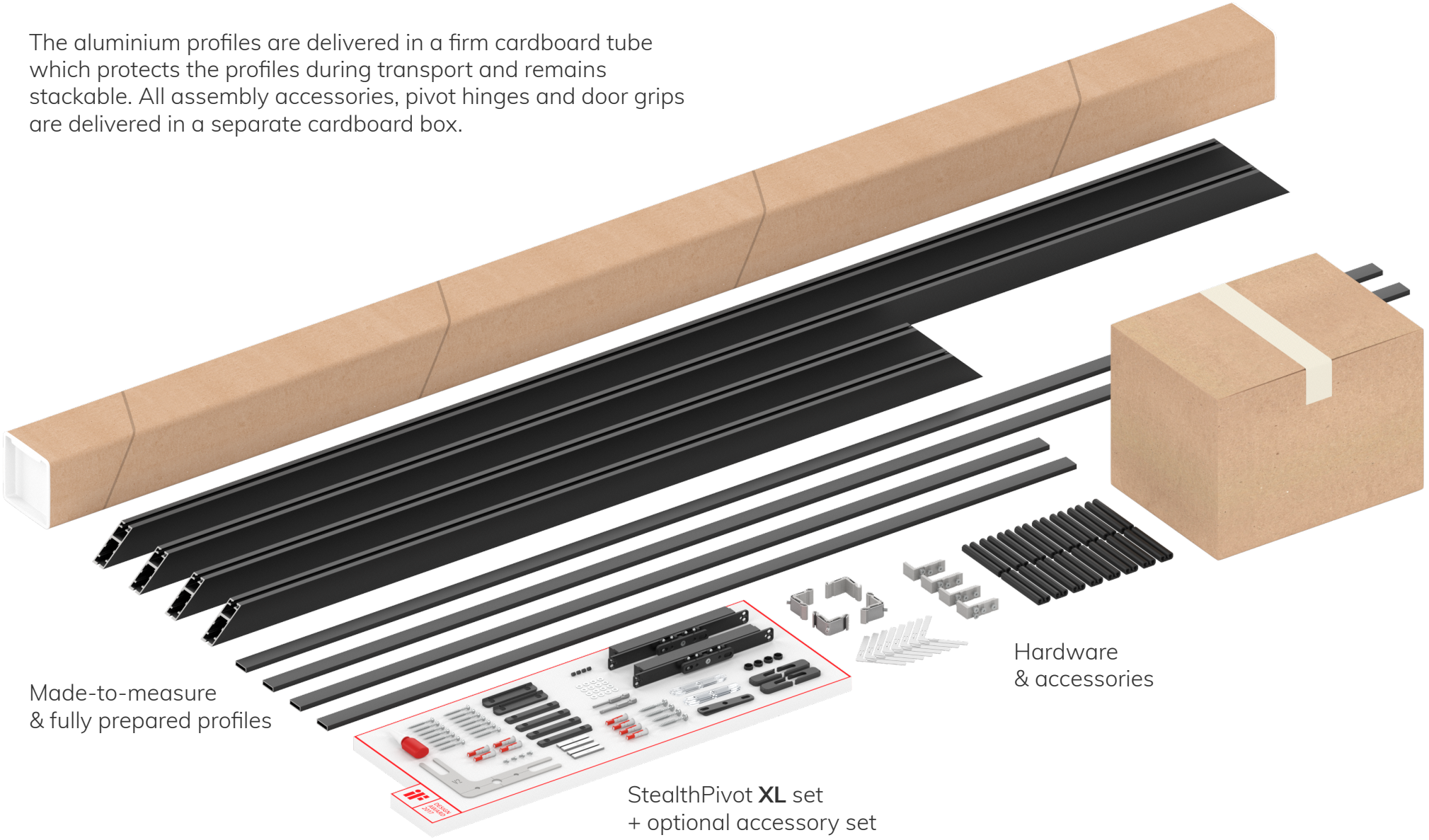
PAP-MCDBLK25x11x24,5





PORTAPIVOT 5730 XL EXAMPLE KIT OVERVIEW

The aluminium profiles are delivered in a firm cardboard tube which protects the profiles during transport and remains stackable. All assembly accessories, pivot hinges and door grips are delivered in a separate cardboard box.



Made-to-measure
& fully prepared profiles

Hardware
& accessories

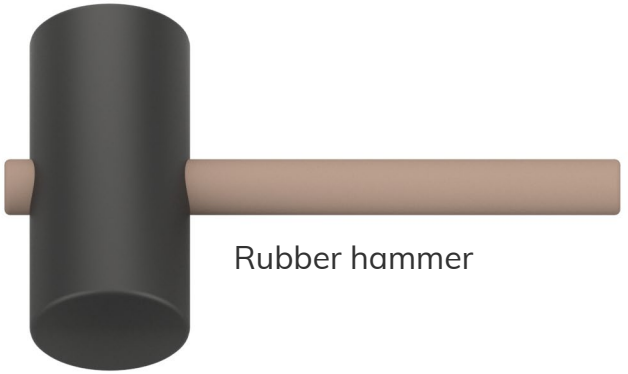
StealthPivot **XL** set
+ optional accessory set
+ optional installation tools

LOCALLY SOURCED MATERIALS

- Glass* (6 or 8 mm tempered glass)
- Silicone spray
- Isopropyl alcohol (cleaning alcohol)
- Acetone

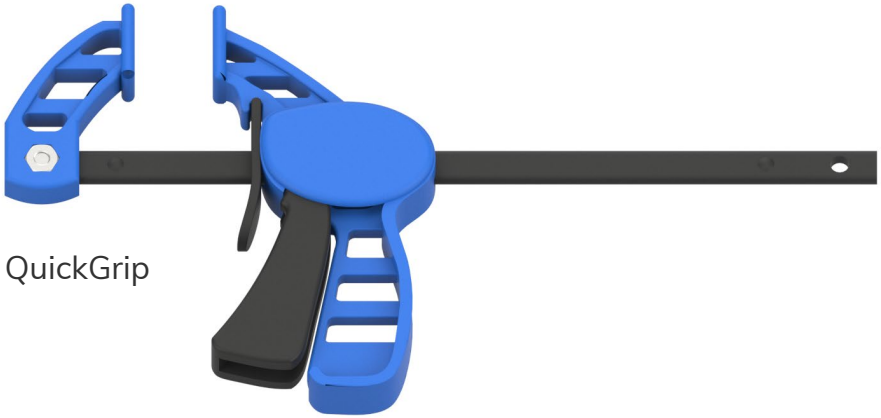
* Portapivot recommends using 6 mm thick tempered glass for weight advantages during manipulation and installation on site

RECOMMENDED TOOLS

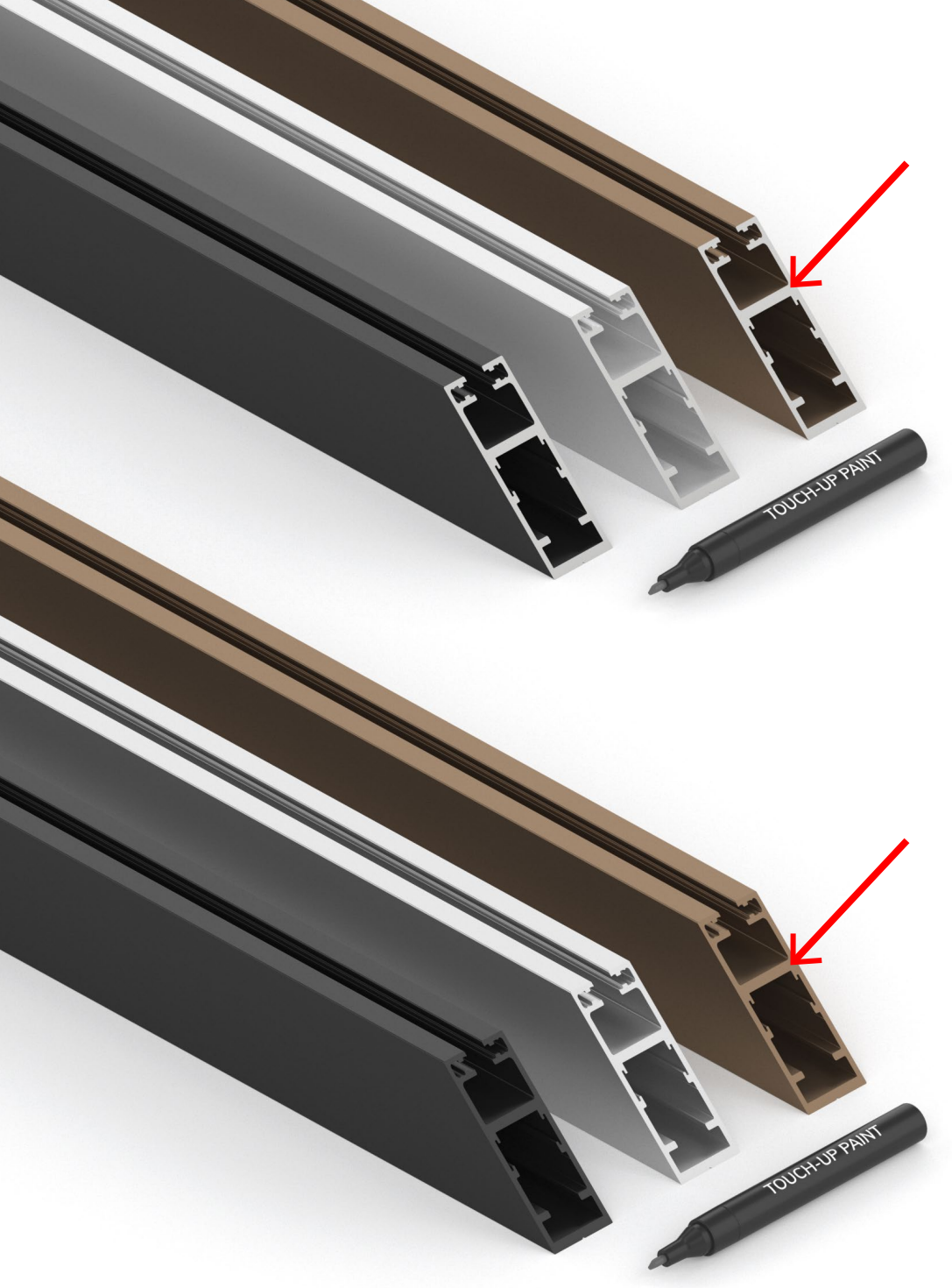


Rubber hammer

Bit screwdriver



QuickGrip



COLOR SAW CUTS

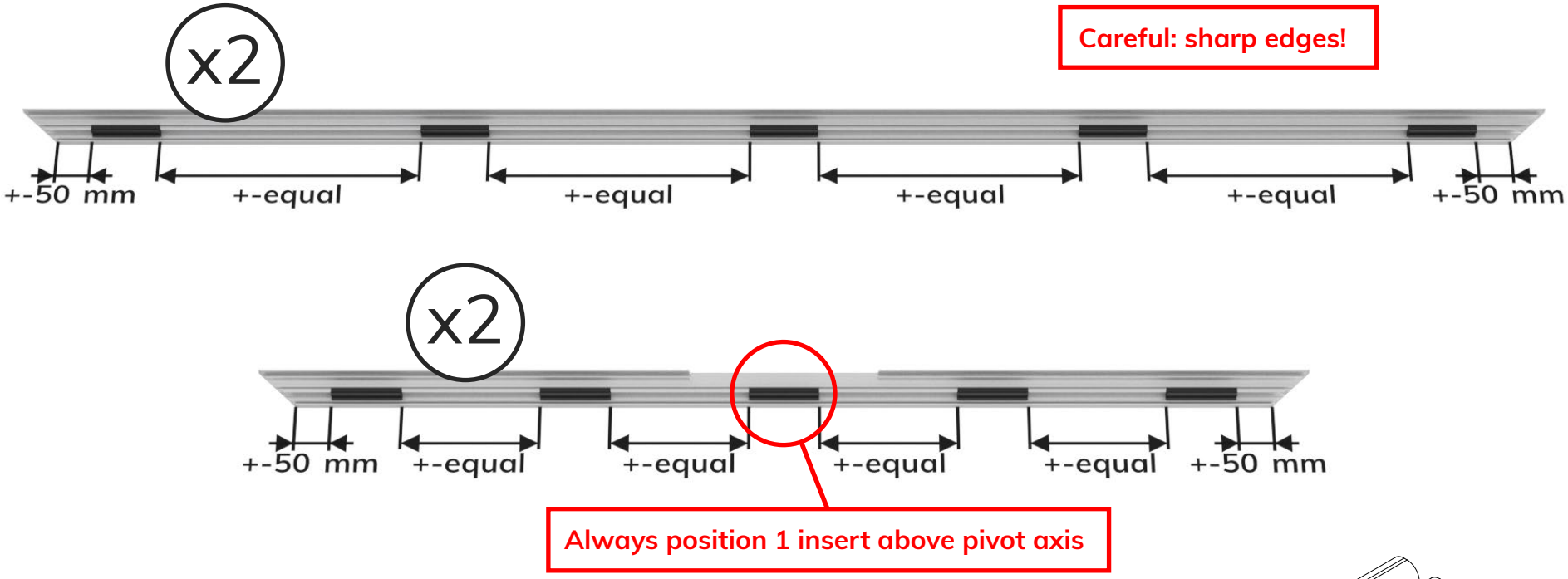
Degrease* the saw cuts and use the supplied marker to paint the cuts.

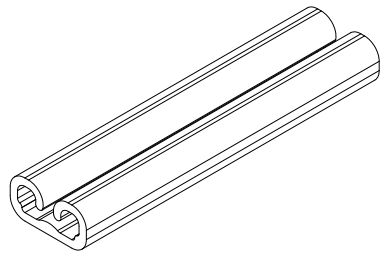
*Isopropyl alcohol

Remove excessive paint from visual sides with acetone or alike

INSERT EPDM INSERTS

Slide in 5 EPDM inserts (GLBR6-8) into every profile, and distribute them evenly.





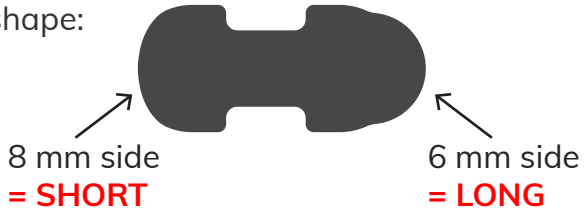
PAP-GLBR6-8

StealthPivot **NL** and StealthPivot **XL** share identical installation steps

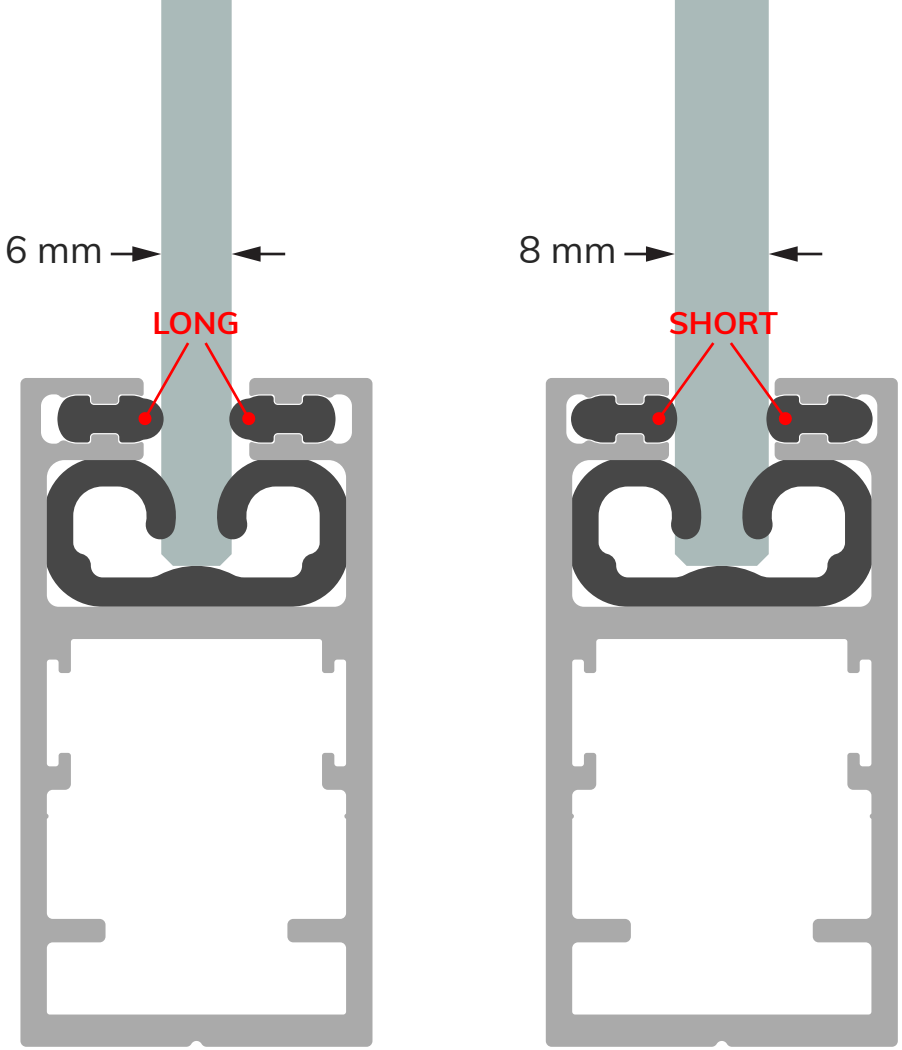
INSERT GLR68 RUBBER EXTRUSIONS

The GLR68 rubber can be used for 6 or 8 mm glass because of its excentric profile shape. See visual for correct mounting positions.

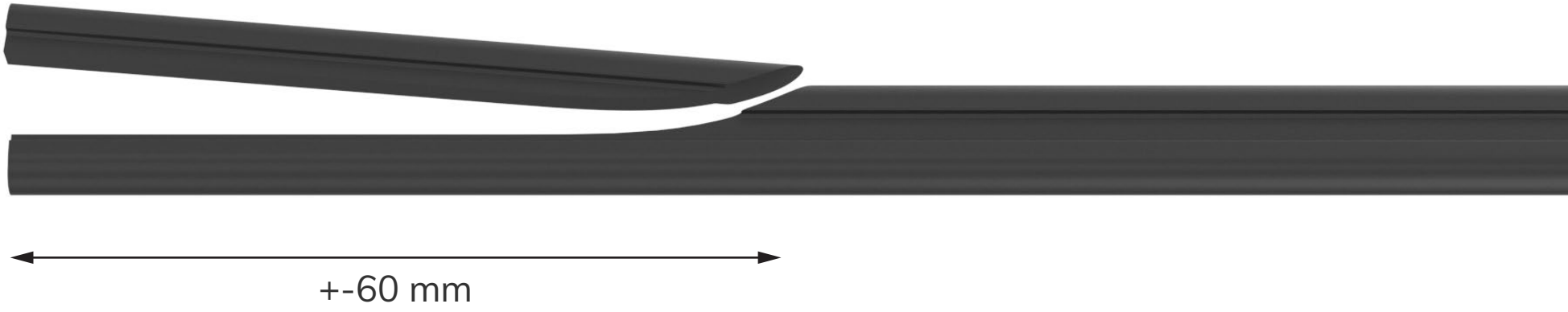
GLR68 profile shape:

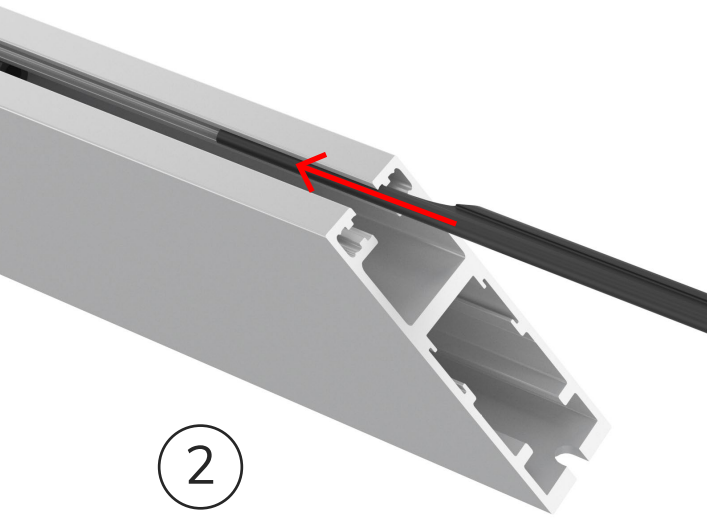


Rubber GLR68 patent pending



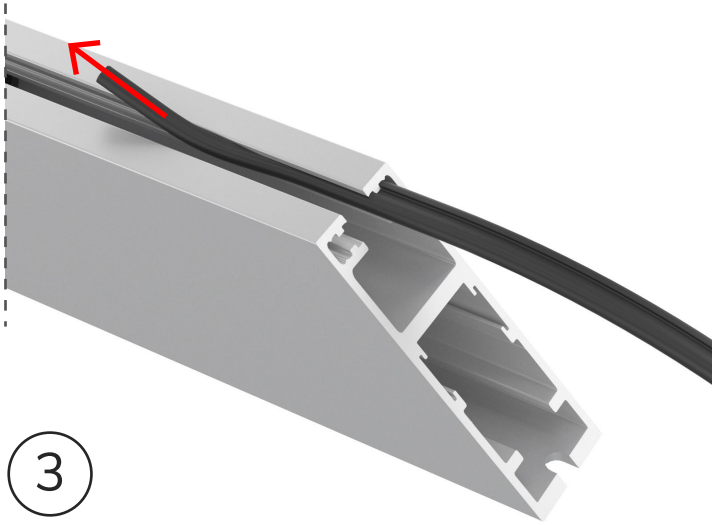
1 Cut off a strip from the start of the GLR68.
- For 6 mm glass, cut off the **SHORT** side.
- For 8 mm glass, cut off the **LONG** side.





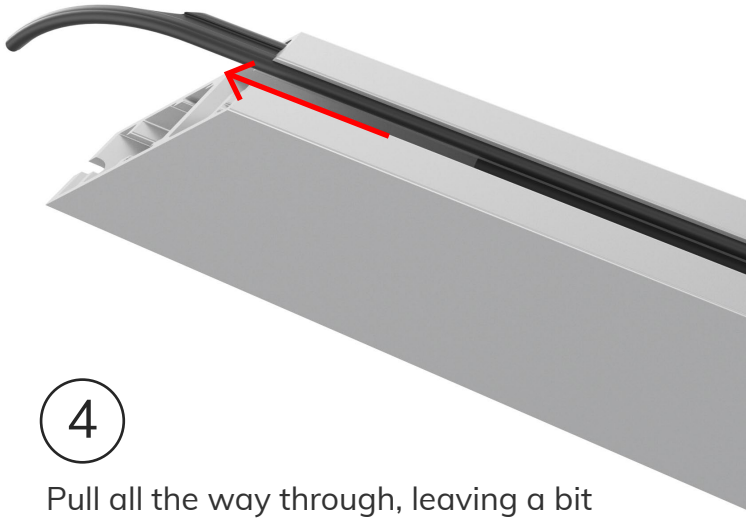
2

Guide the GLR68 through the canal, with the thin side towards the center of the profile.



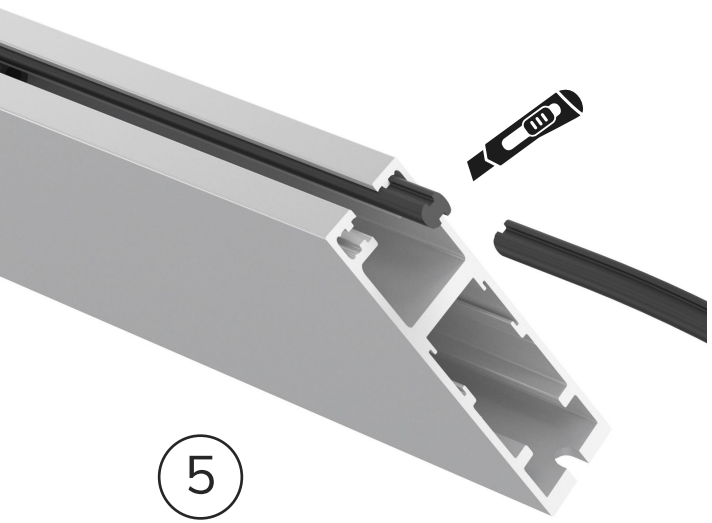
3

Pull the thin side out, and use this to pull the GLR68 through the aluminium profile.



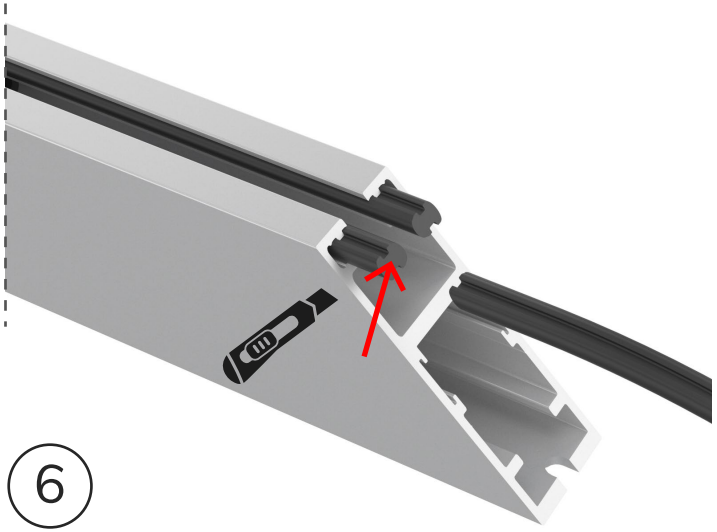
4

Pull all the way through, leaving a bit extra hanging out.



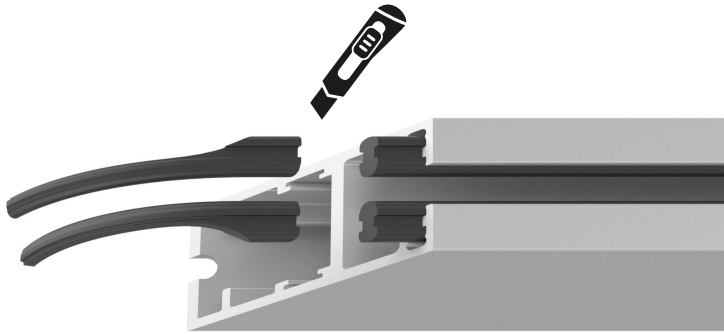
5

Cut this end at a 45° angle.



6

Repeat steps 1-5 for the second GLR68

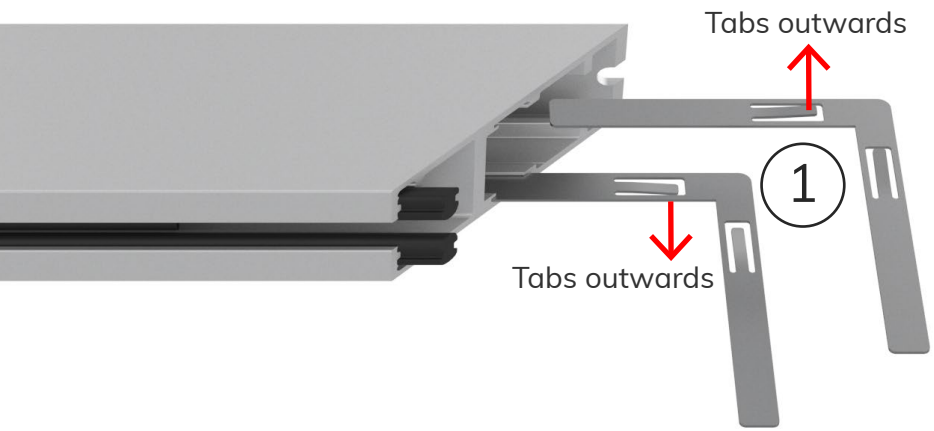


7

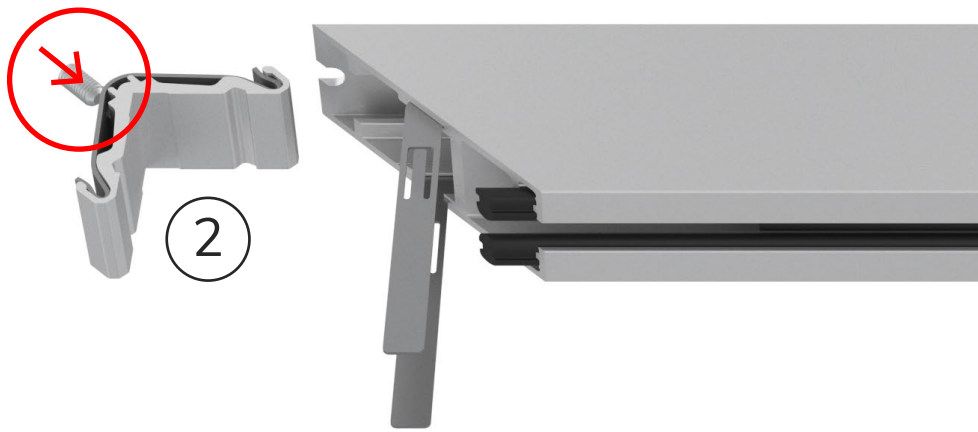
Cut off both remaining ends at the other side.

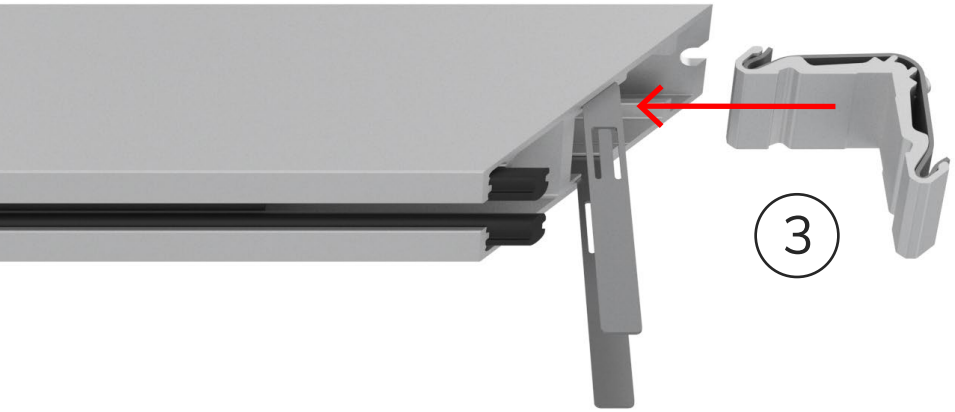
Apply steps 1-7 to each profile

PREPARE TOP AND BOTTOM PROFILES



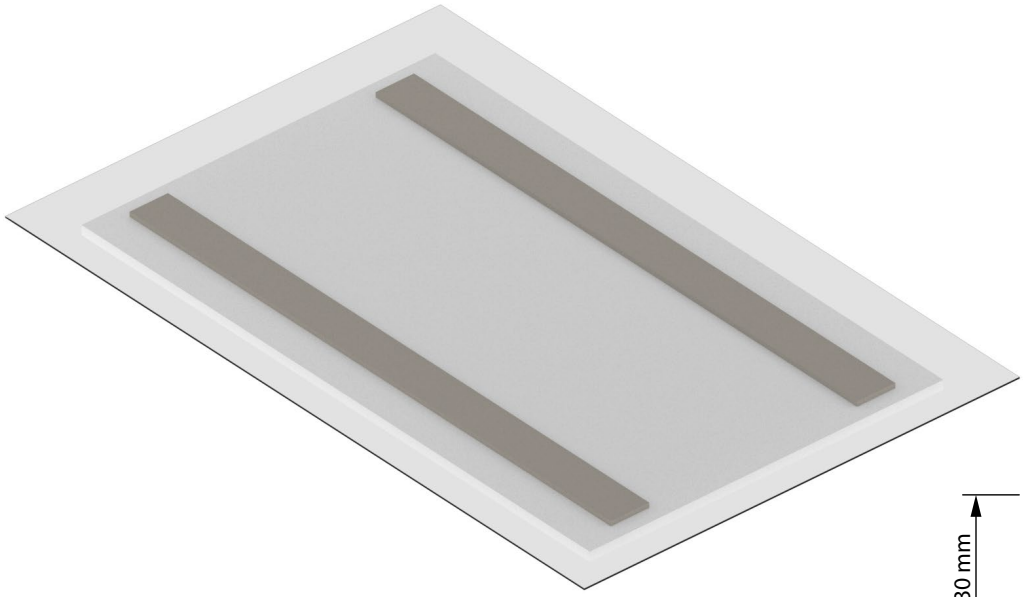
DON'T TIGHTEN!

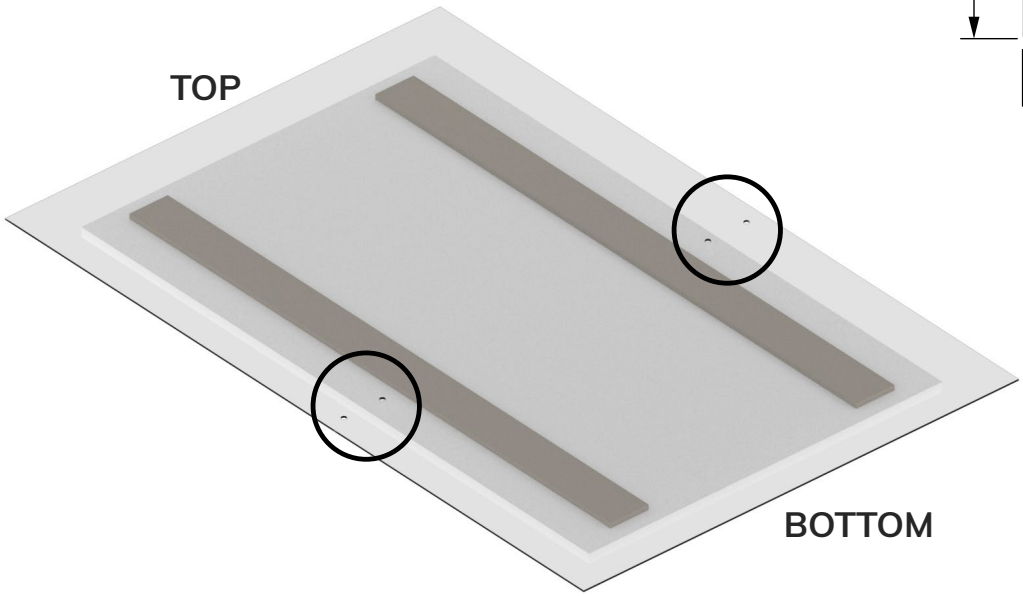




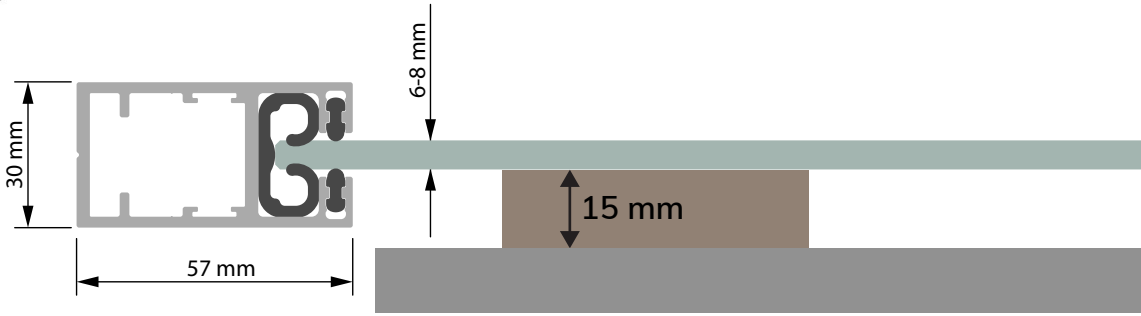
REPEAT for every end of the TOP and BOTTOM profiles

PLACE GLASS PANEL



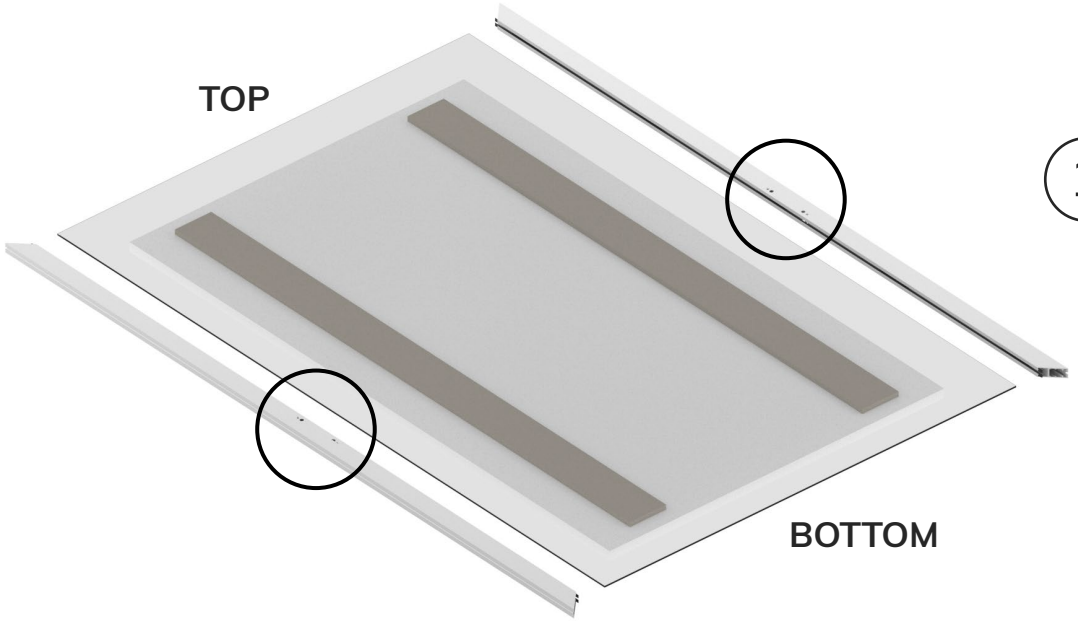


Use 2 wooden spacers (+-15 mm thick) on an assembly table and place the locally purchased panel on top.



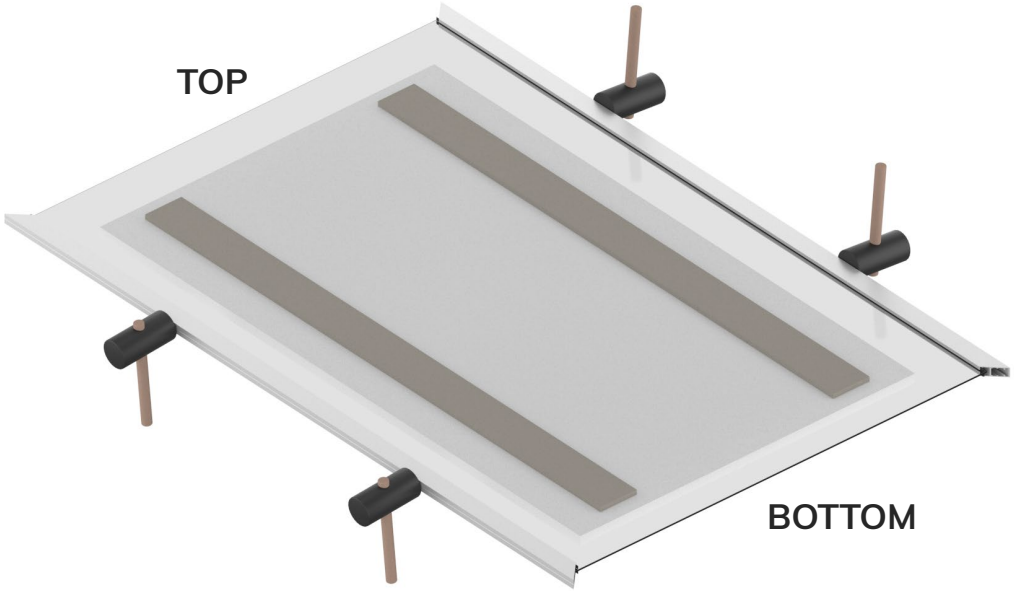
If your panel has pre-drilled holes, check that it has a top/bottom and left/right side!

MOUNT PROFILES ON GLASS



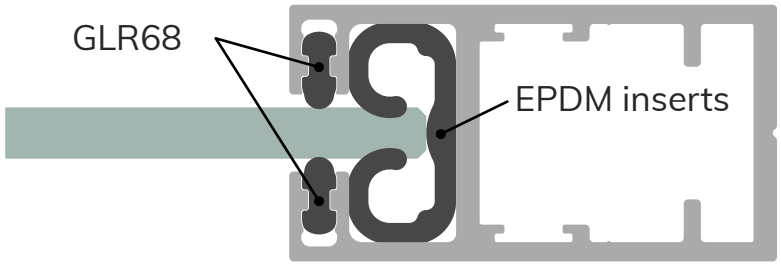
1 If there are holes for doorgrips in the profiles, their top/bottom orientation is important!

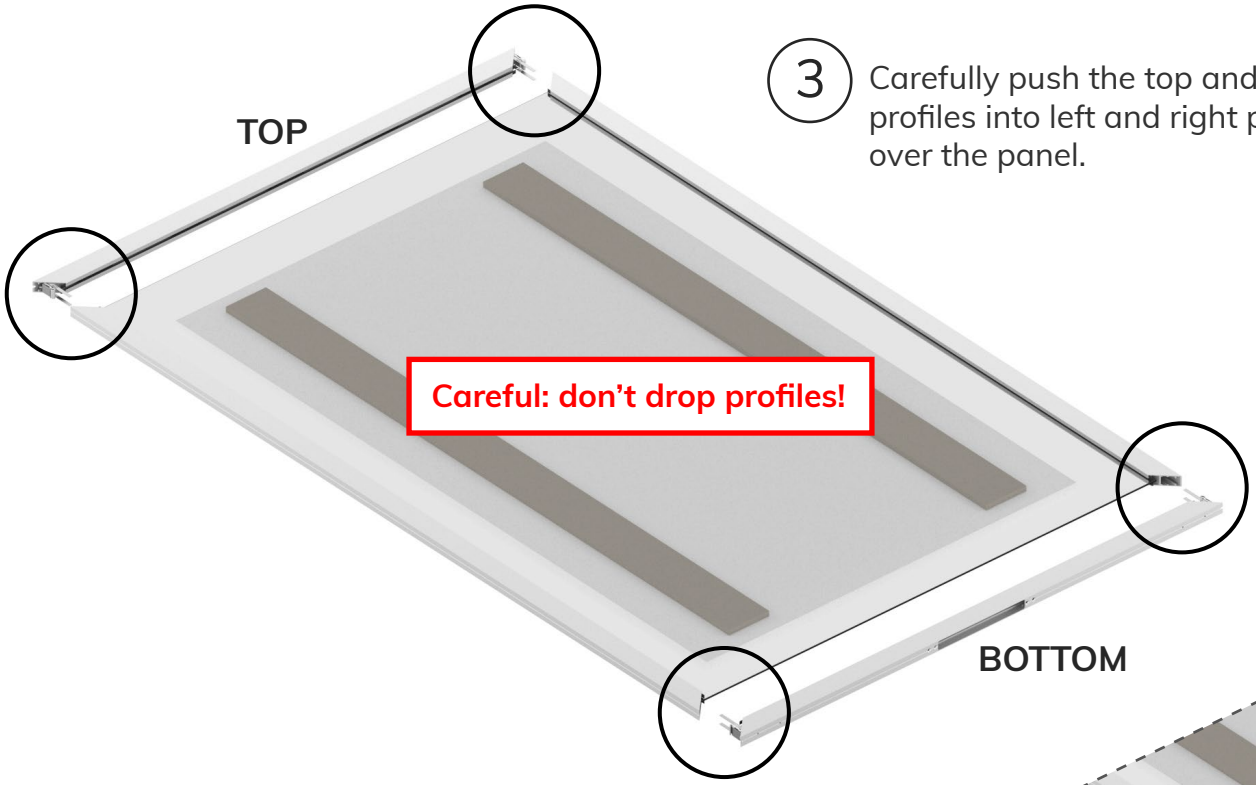
Careful: don't drop profiles!



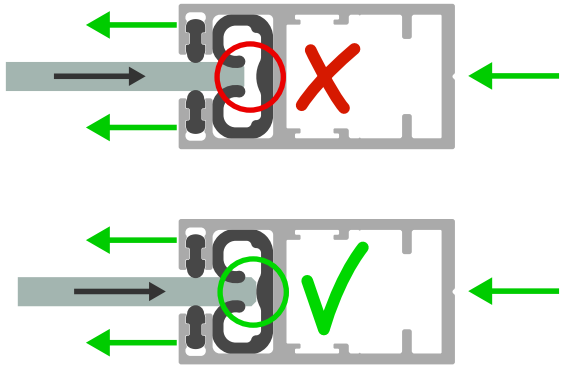
2 Push the left and right profiles with their EPDM inserts and GLR68 over the panel, matching the center of the profiles with the center of the glass.

Use a rubber hammer to facilitate positioning.

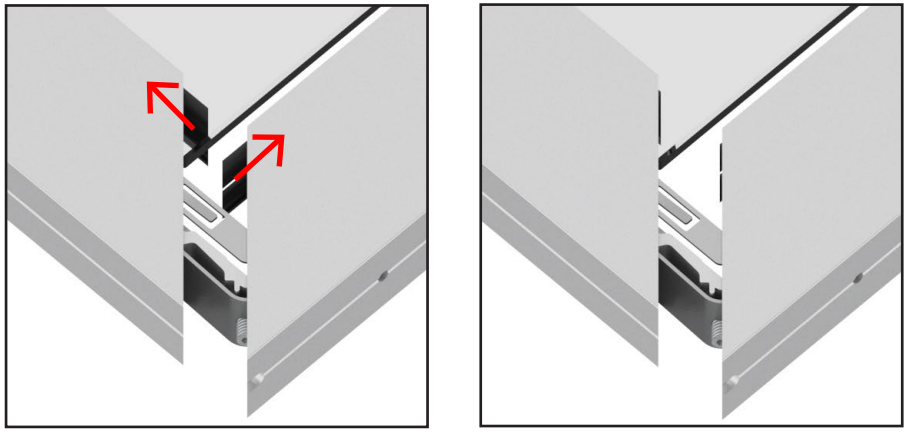


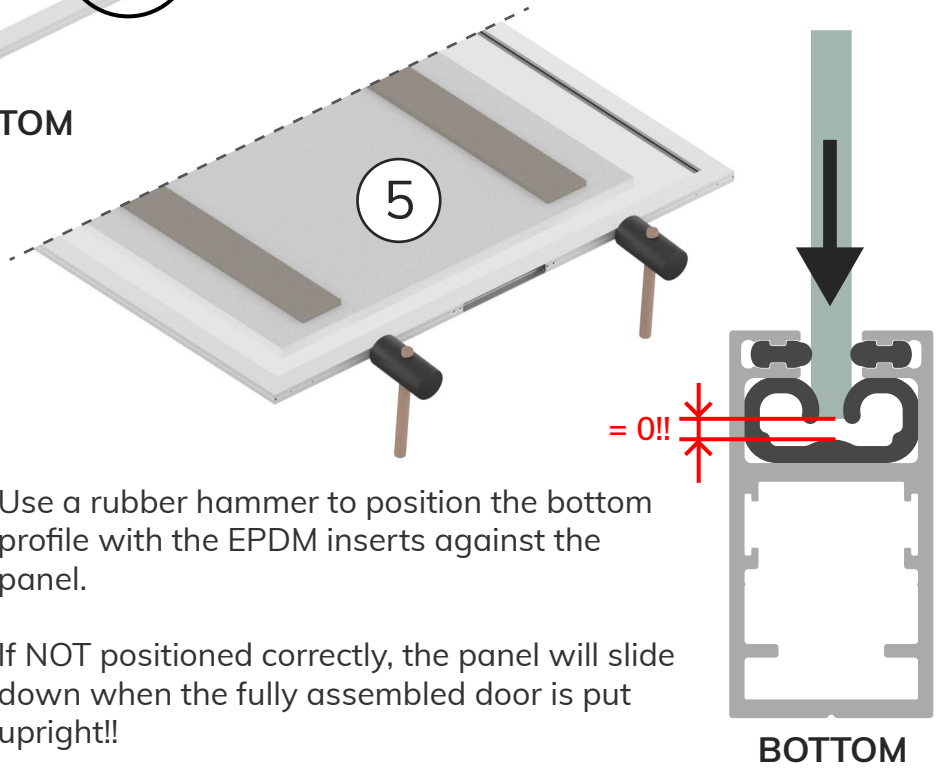


3 Carefully push the top and bottom profiles into left and right profile, and over the panel.



4 Push in the excess GLR68 into the profiles during mounting.





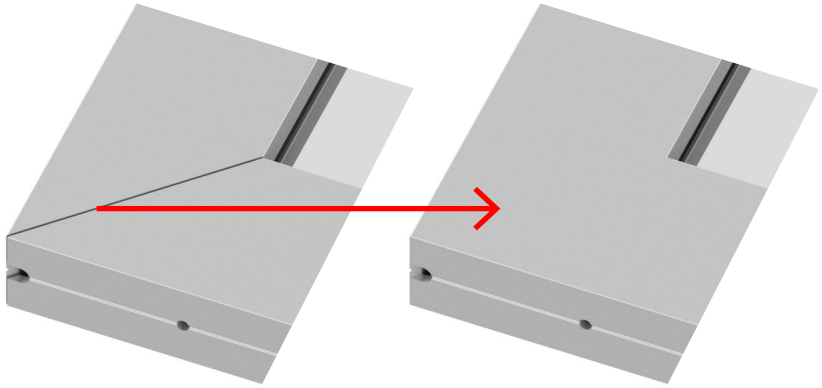
Use a rubber hammer to position the bottom profile with the EPDM inserts against the panel.

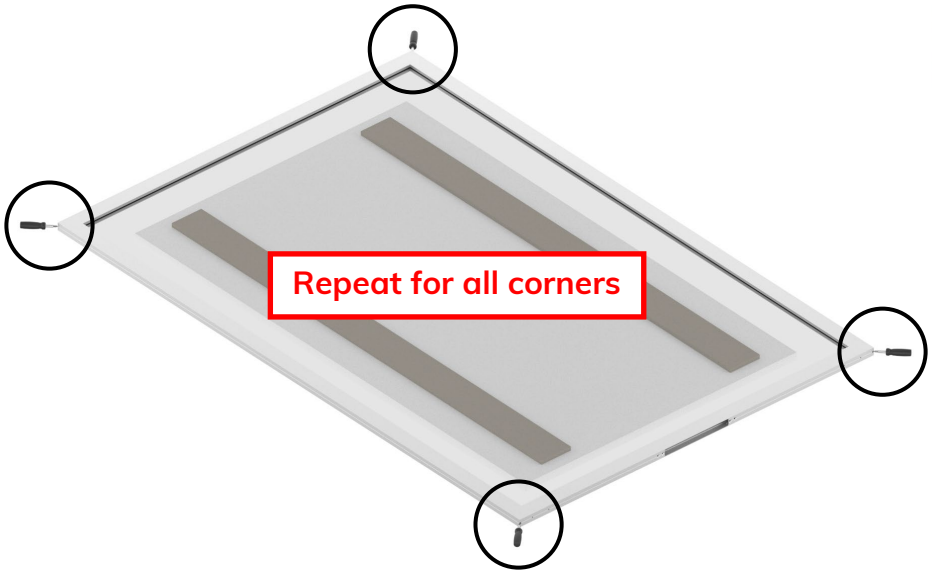
If NOT positioned correctly, the panel will slide down when the fully assembled door is put upright!!

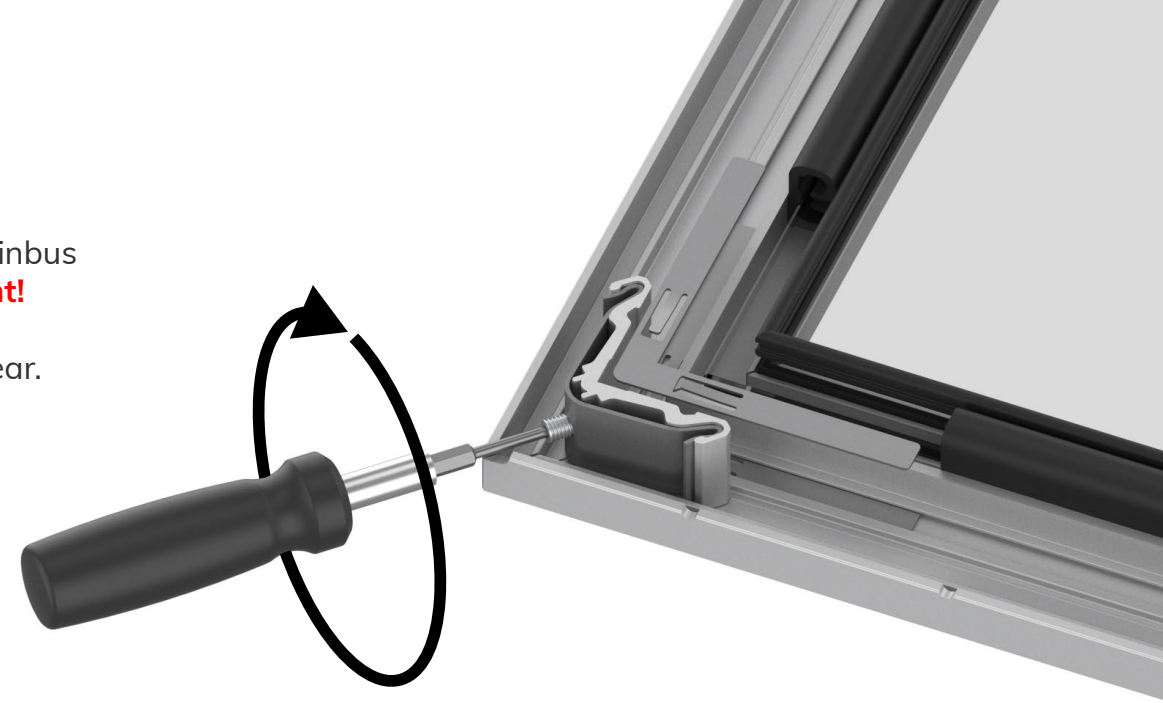
SECURE CORNER JOINTS

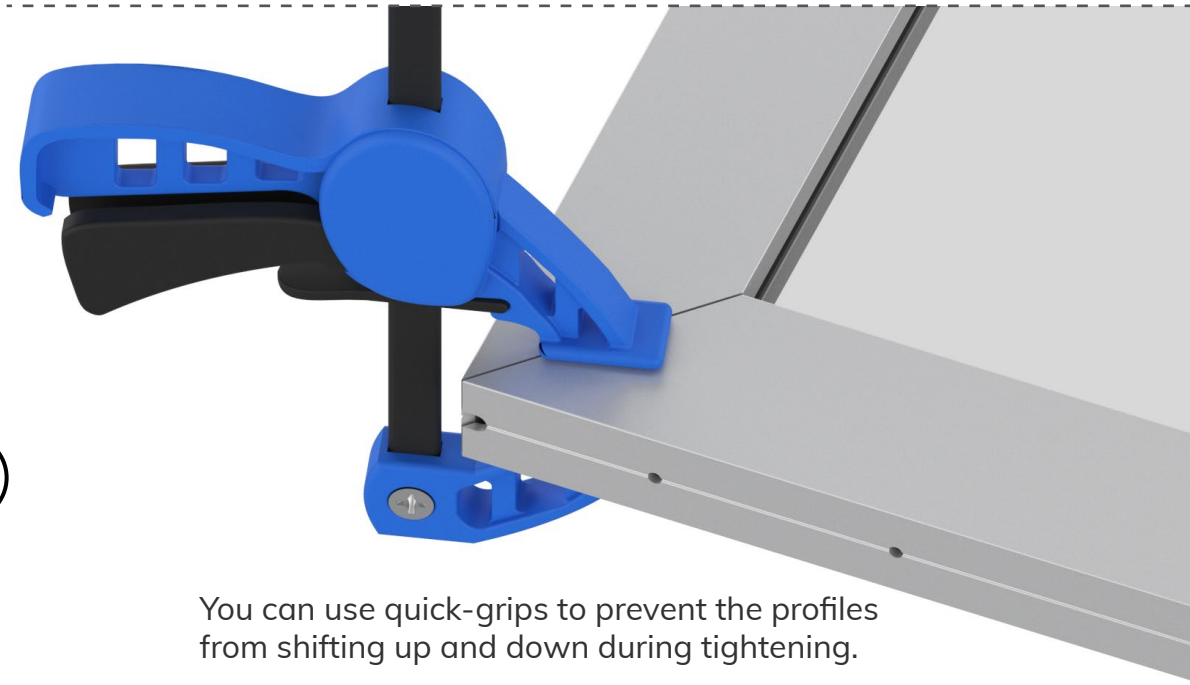
Align the profiles as best as possible, and carefully tighten the inbus screw **BY HAND! Over-tightening will damage the corner joint!**

During tightening, the space between the profiles will dissappear.



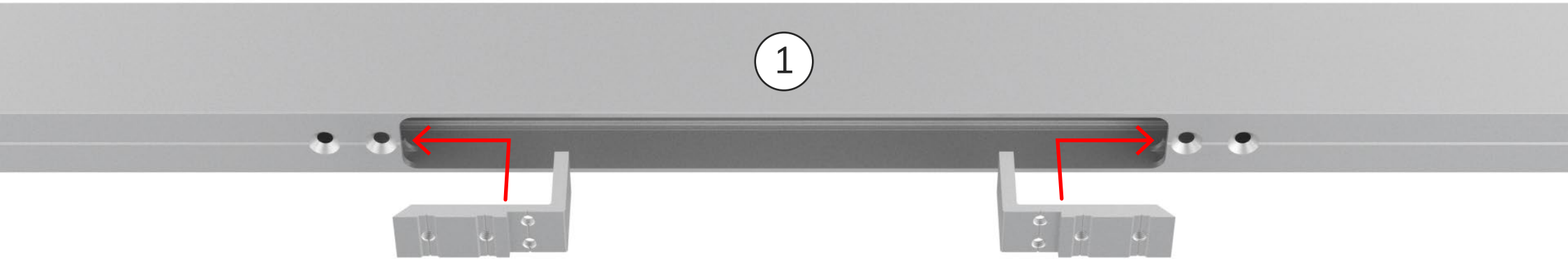


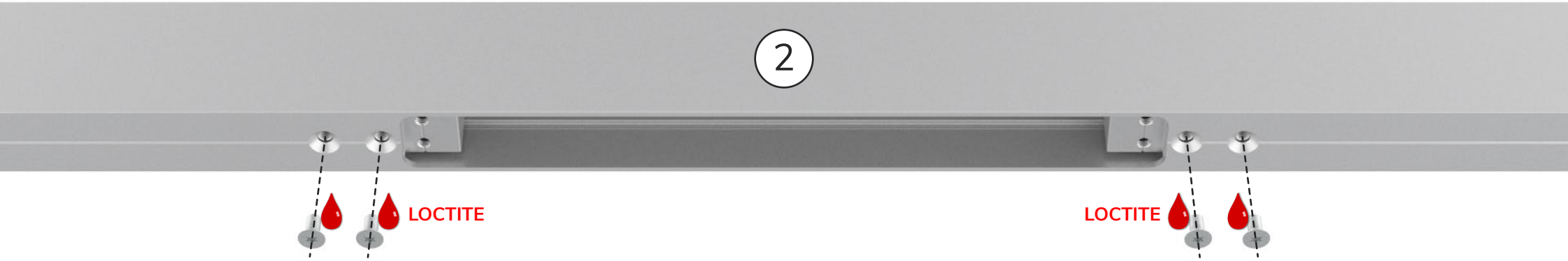




You can use quick-grips to prevent the profiles from shifting up and down during tightening.

INSERT HINGE BRACKETS

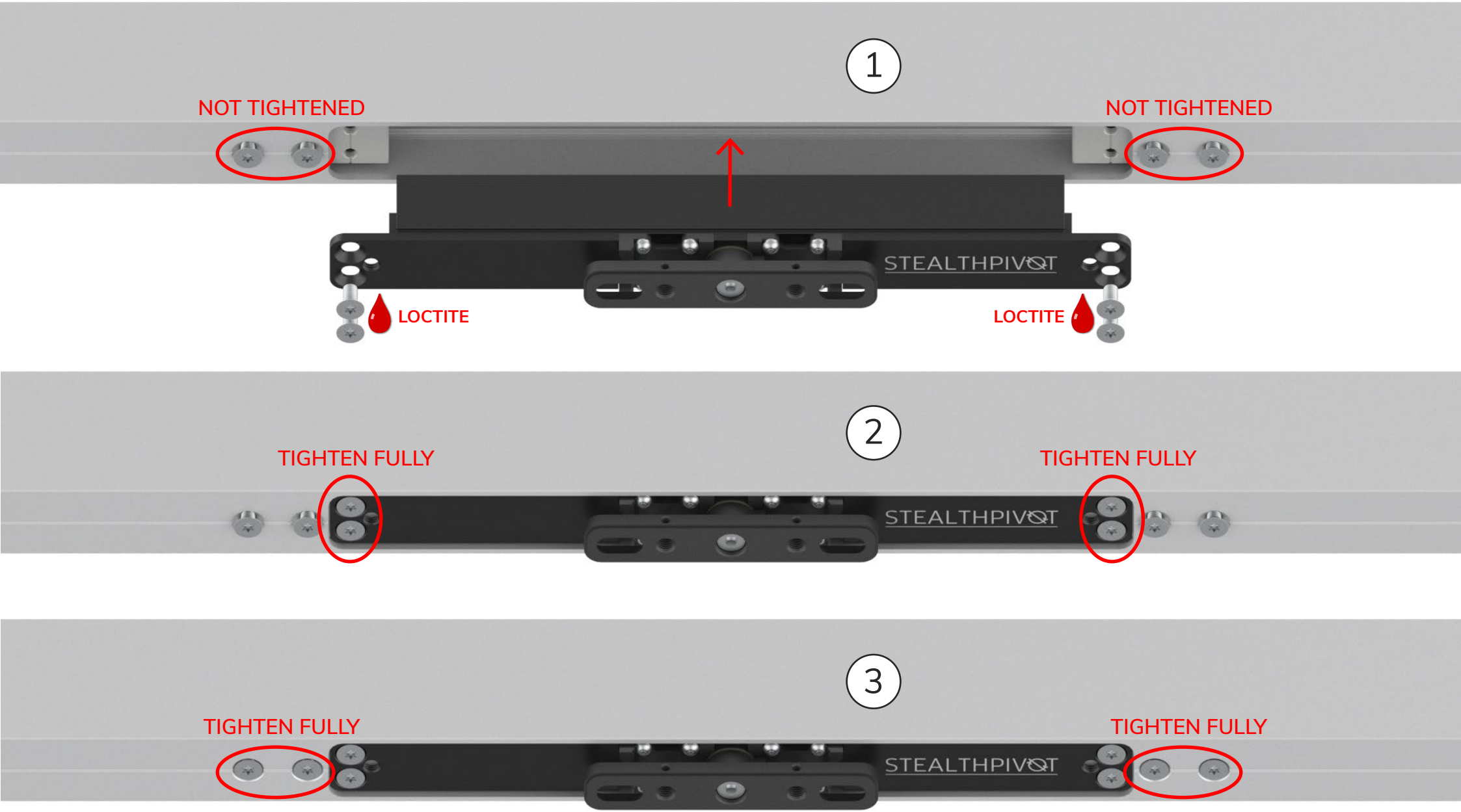




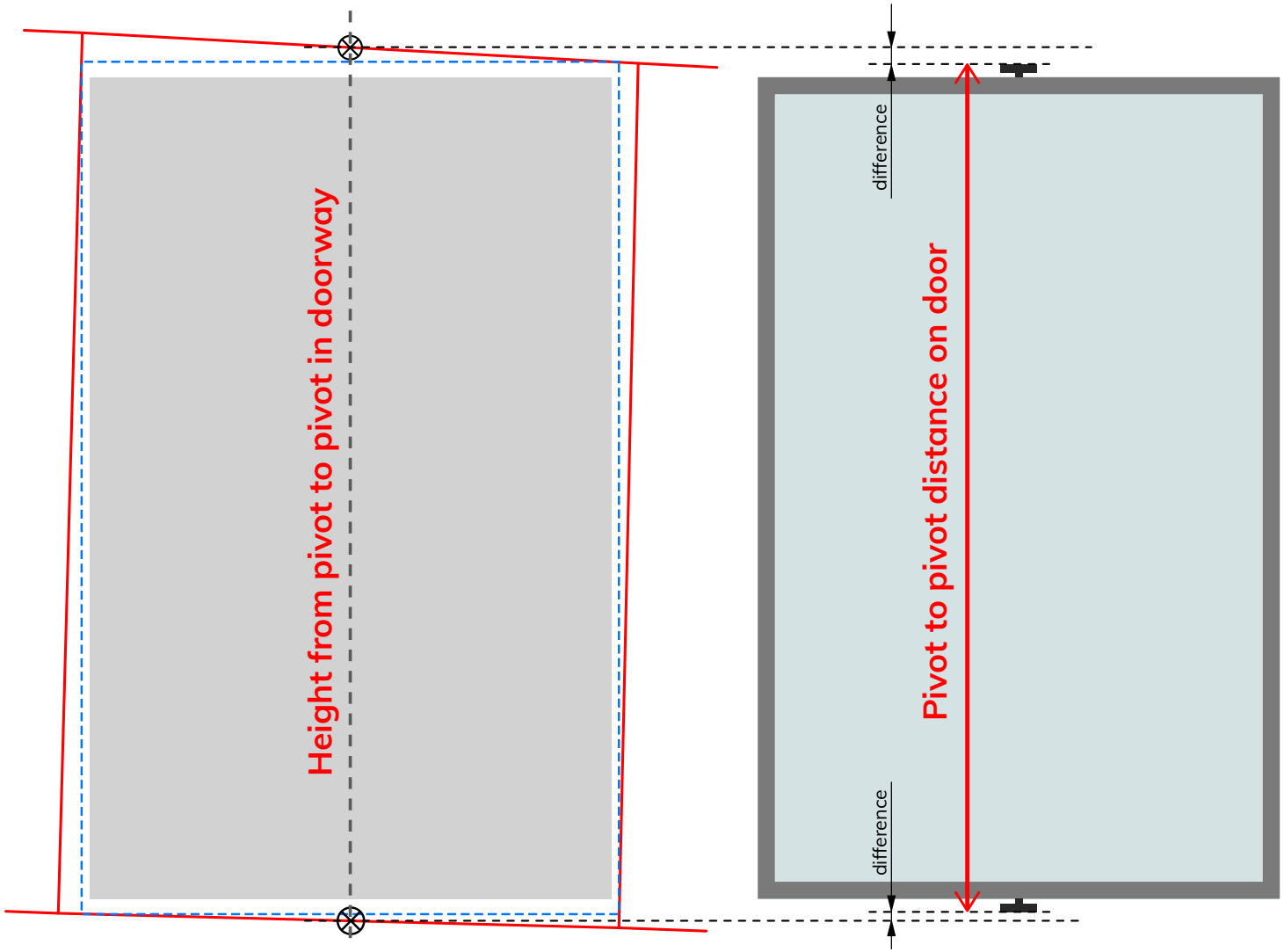
DON’T TIGHTEN FULLY YET!

DON’T TIGHTEN FULLY YET!

MOUNT HINGE


1
NOT TIGHTENED
NOT TIGHTENED
STEALTHPIVOT
LOCTITE
LOCTITE
2
TIGHTEN FULLY
TIGHTEN FULLY
STEALTHPIVOT
3
TIGHTEN FULLY
TIGHTEN FULLY
STEALTHPIVOT

SYNCHRONIZE PIVOT AXIS HEIGHT IN DOORWAY



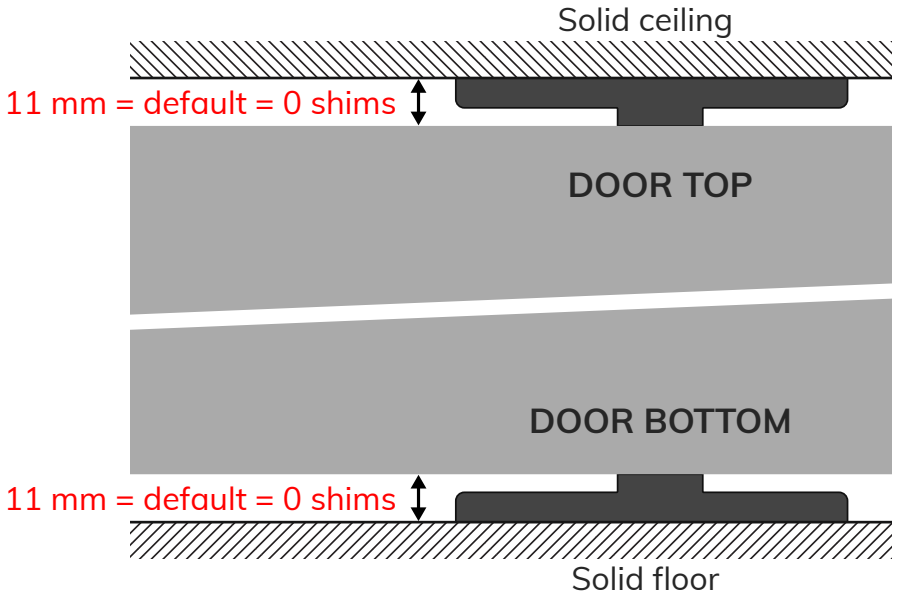
Compare the pivot to pivot distance of the door with the measured doorway height at the axis point.

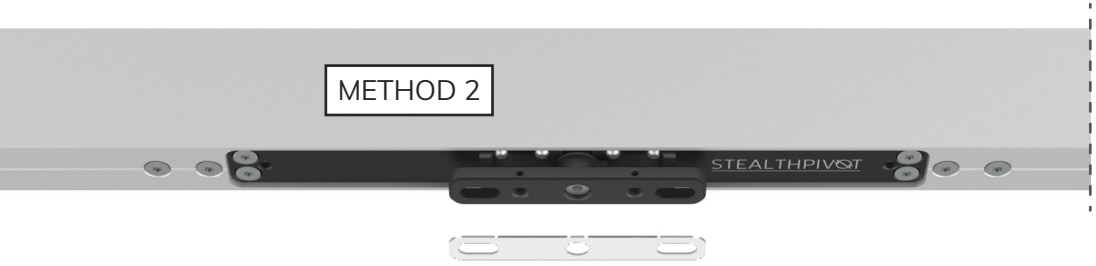
Synchronize them if necessary, using a method described on the next page.

ADJUST HINGE HEIGHT / JOINT DIMENSIONS

To increase the joint dimensions, there are 3 methods:

1. Use supplied shims between hinge and door leaf. This is the preferred method for the bottom hinge.





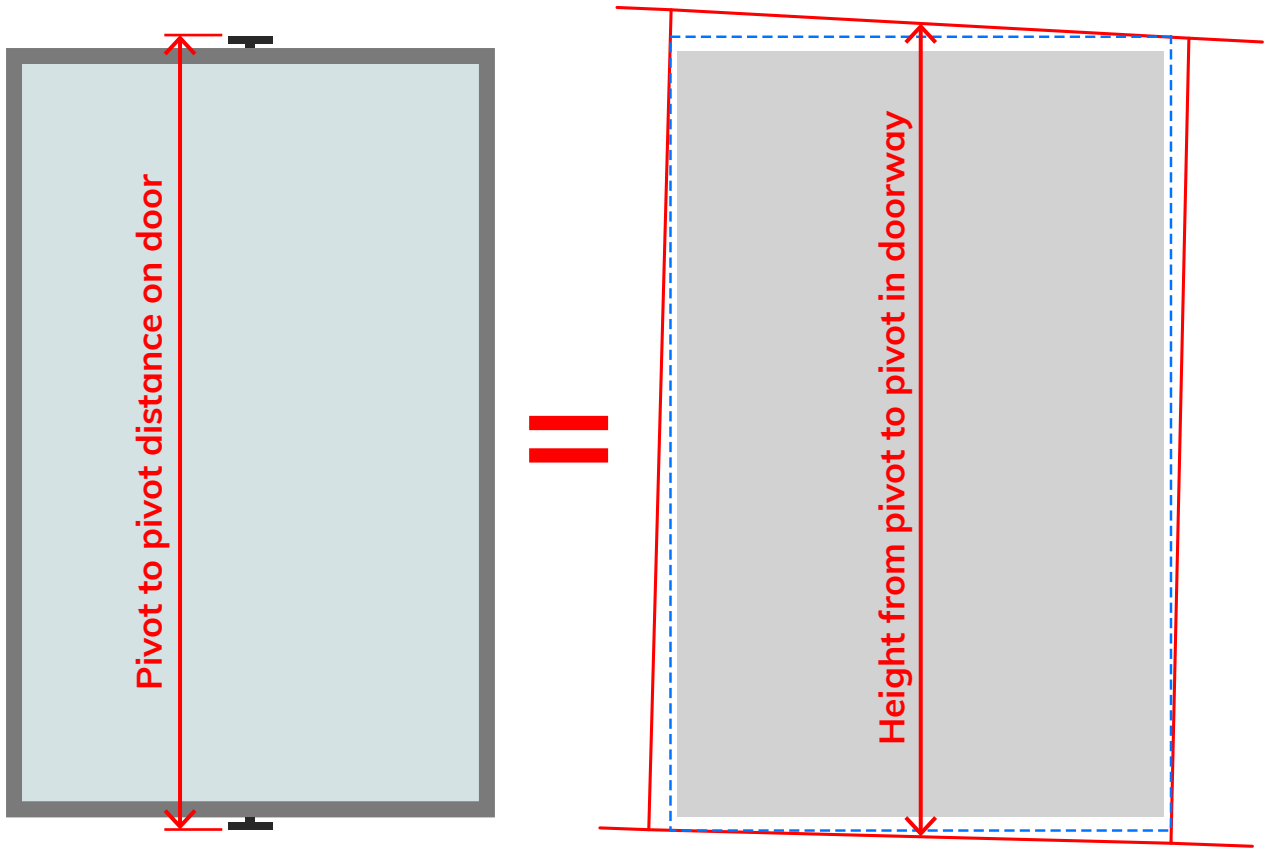
2. Use supplied shims between hinge and floor/ceiling (= less stable).

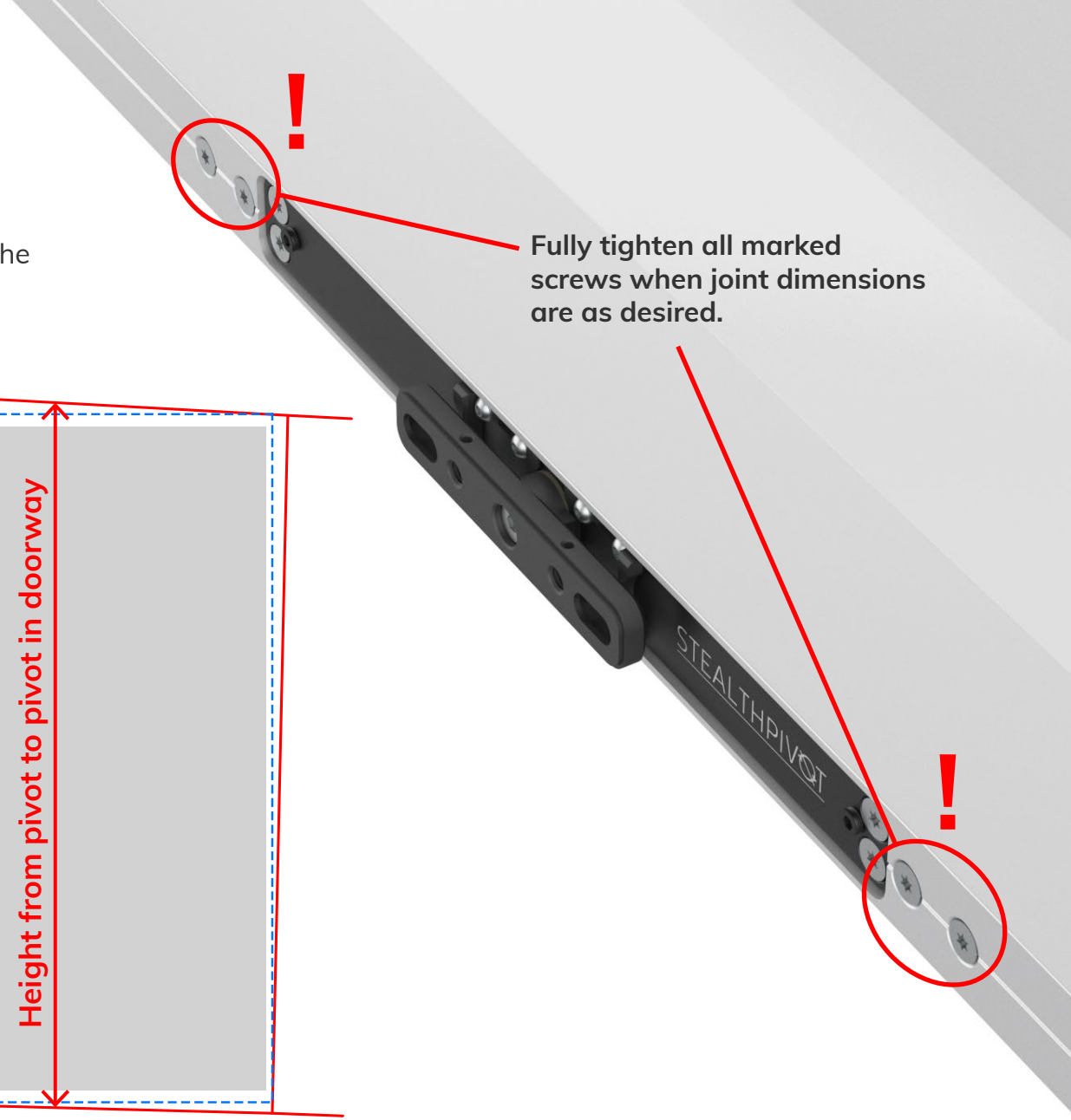
3. Adjust the inbus screws to move the hinge further away from the door leaf (loosen 4 hinge screws first).

StealthPivot **NL** and StealthPivot **XL** share identical installation steps

CHECK PIVOT TO PIVOT DISTANCE

Double check the pivot to pivot distance of the door with the measured doorway height at the axis point.

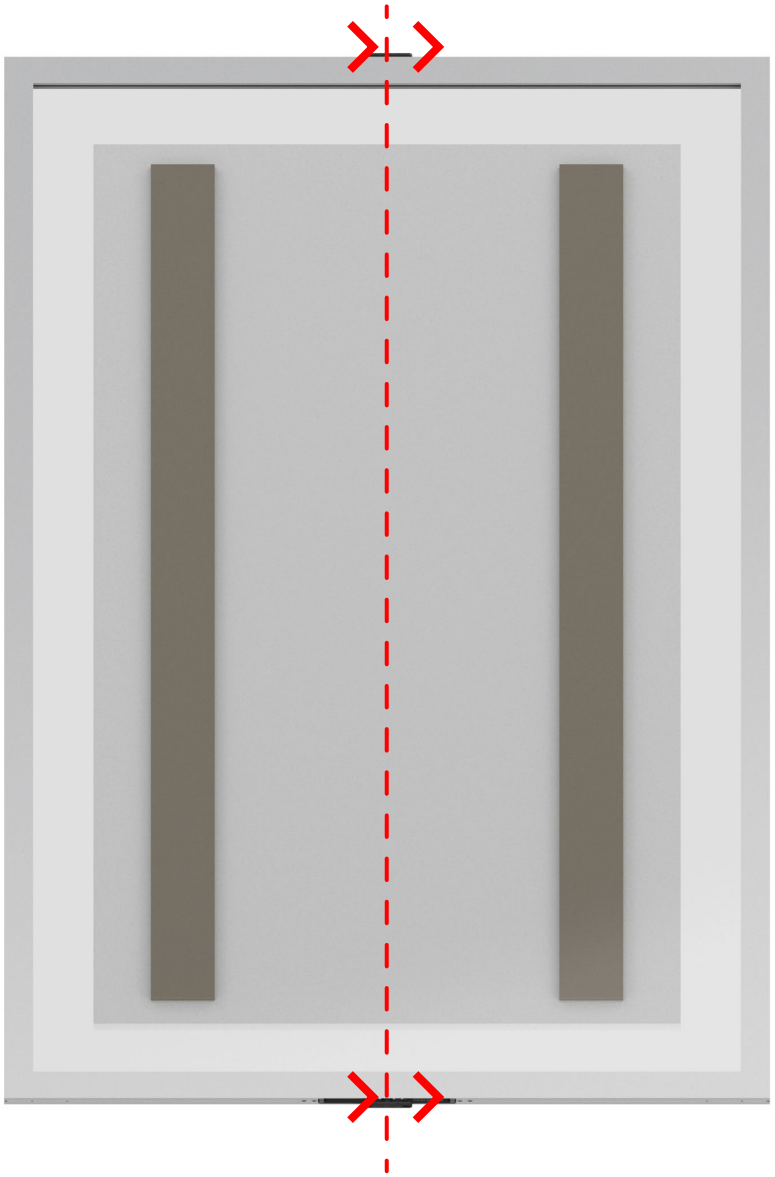


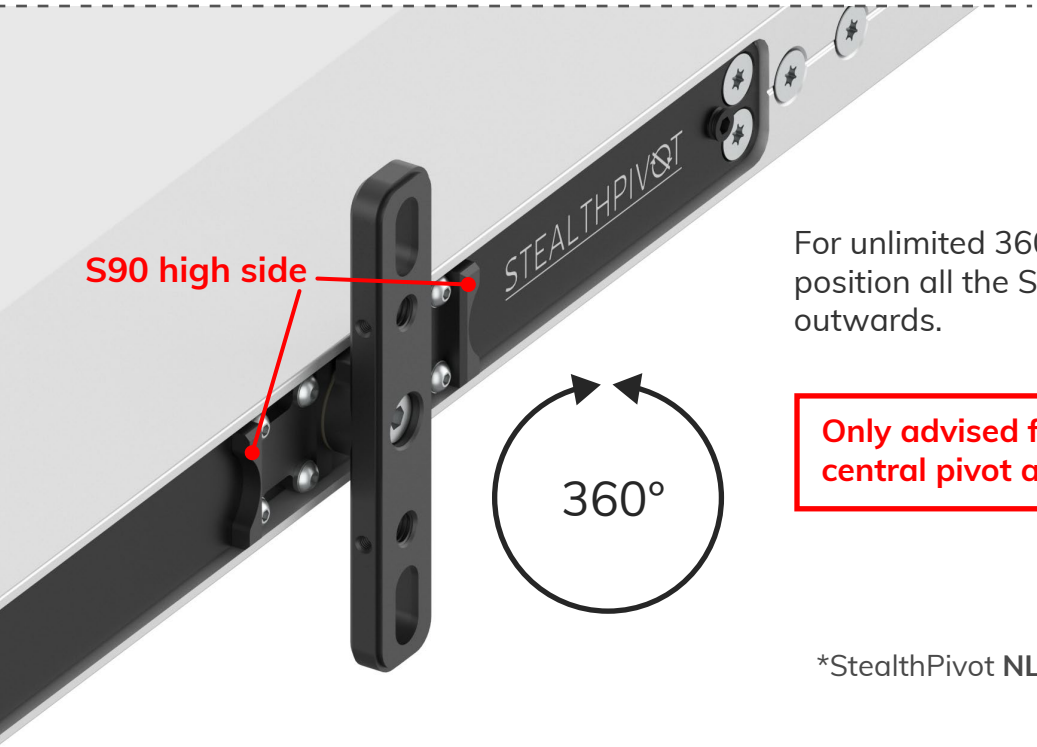


S90 - 90° LOCK

The S90* will stop the door in open position at +/-90°.

Make sure the S90* high sides are positioned identical for top and bottom hinges!

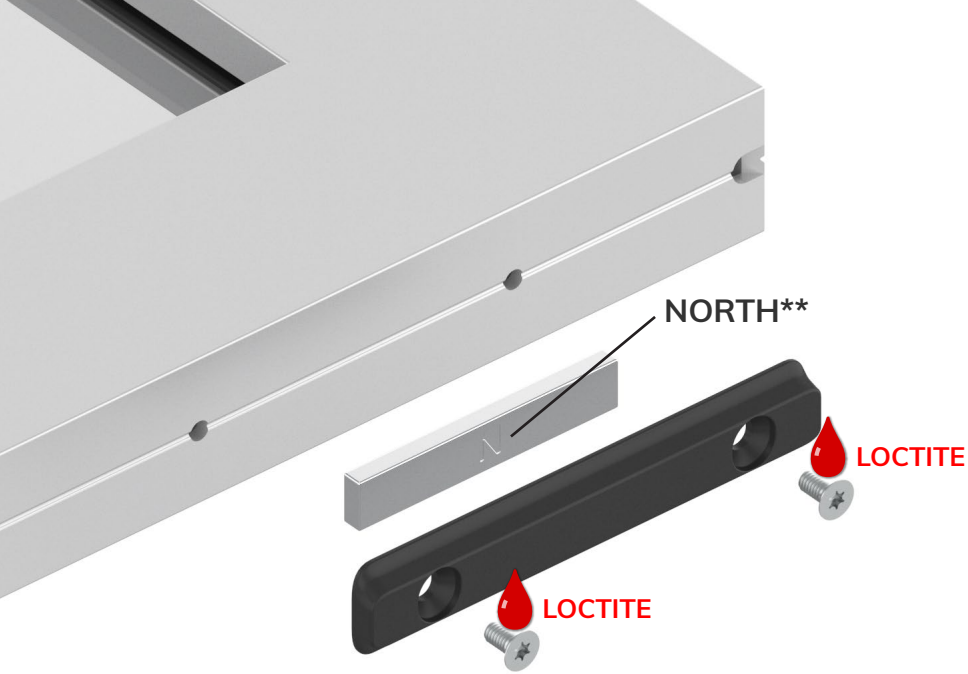




For unlimited 360° rotation, position all the S90* high sides outwards.

Only advised for central pivot axis

*StealthPivot **NL** has only one S90 per hinge



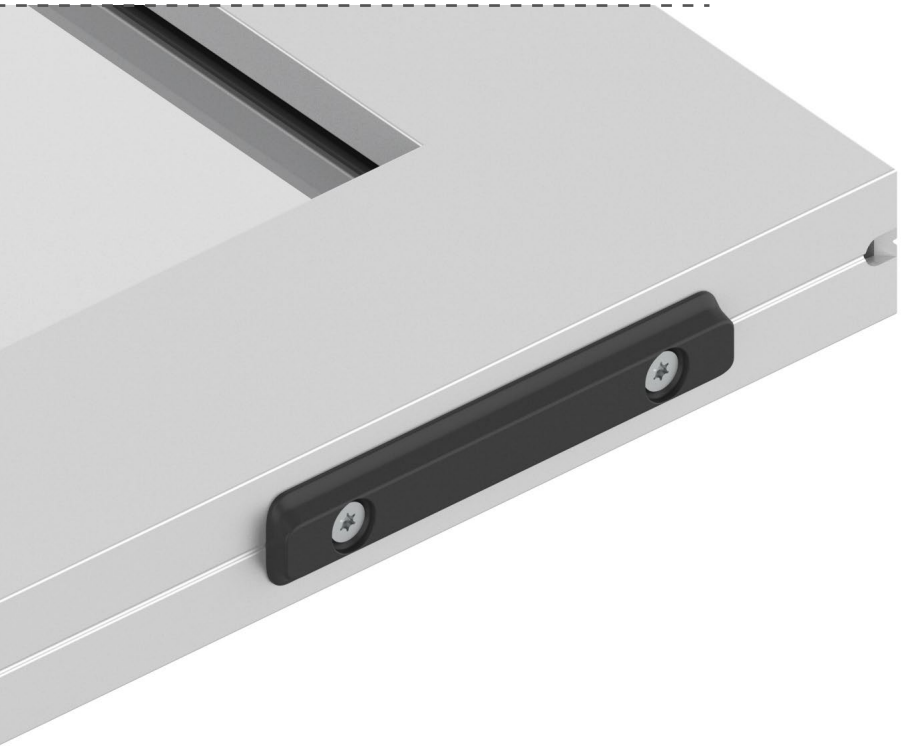
*Always face NORTH side UP on doors, so you can always face SOUTH side down for counter magnets on ceiling.

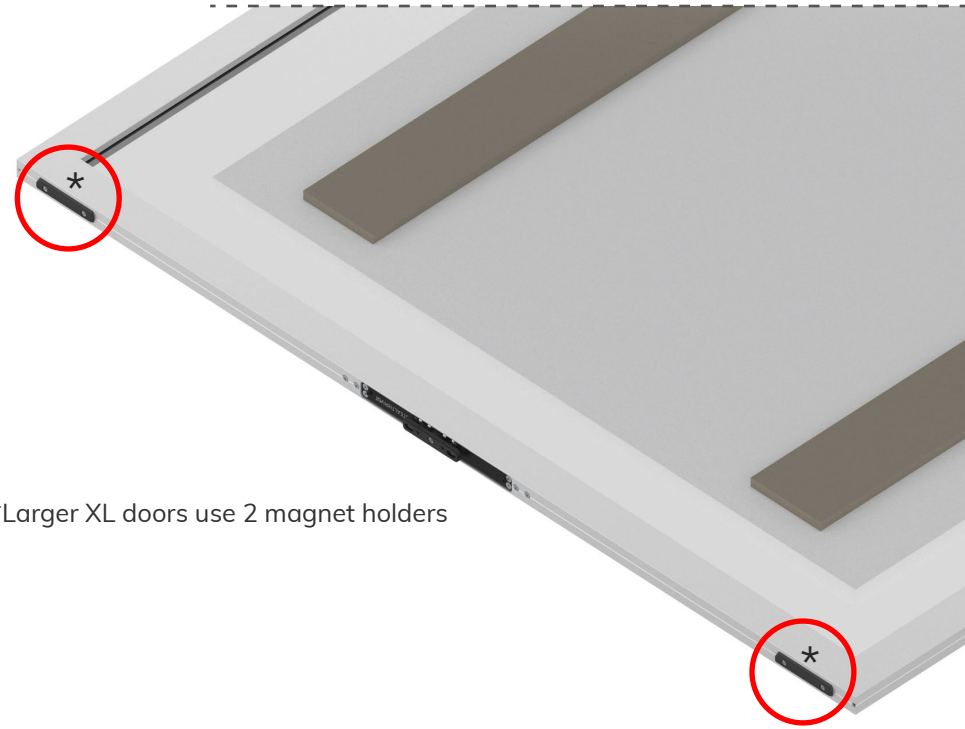
FRAME-A-WAY
POSITIONING MAGNETS

We advise to install the optional 2-way positioning magnet(s) onto the doorframe.

For counter magnets on the ceiling and/or 1-way operation, see ‘Door installation manual’

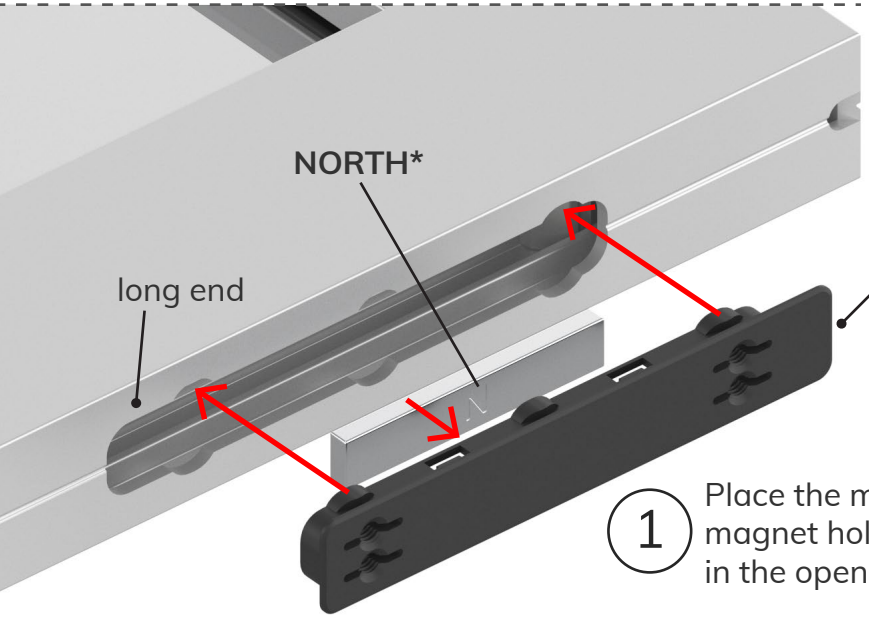
For magnets on doors with doorjambs, see next page.





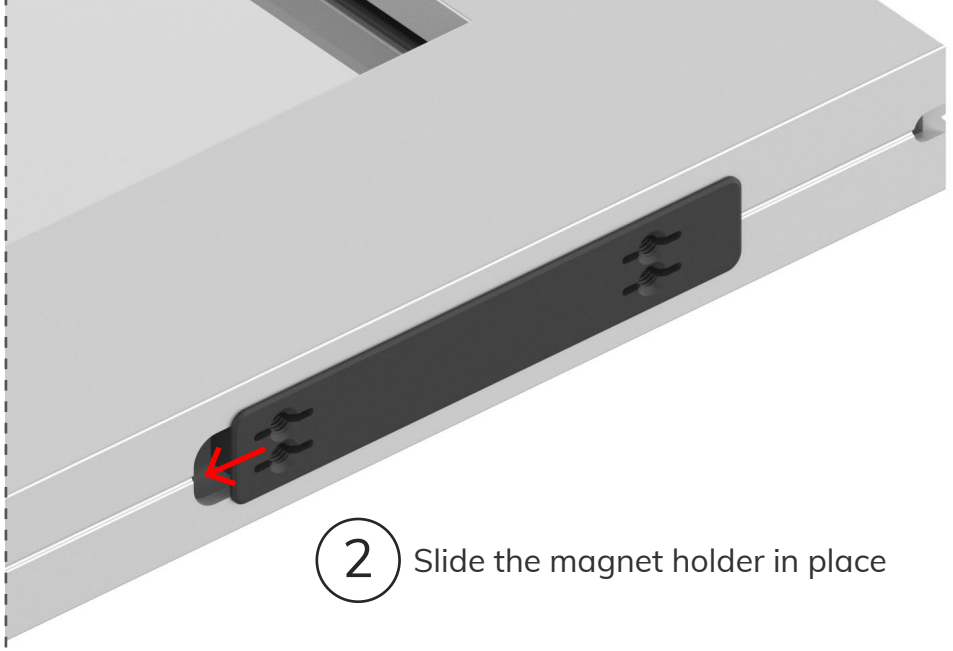
*Larger XL doors use 2 magnet holders

DOORJAMB POSITIONING MAGNETS

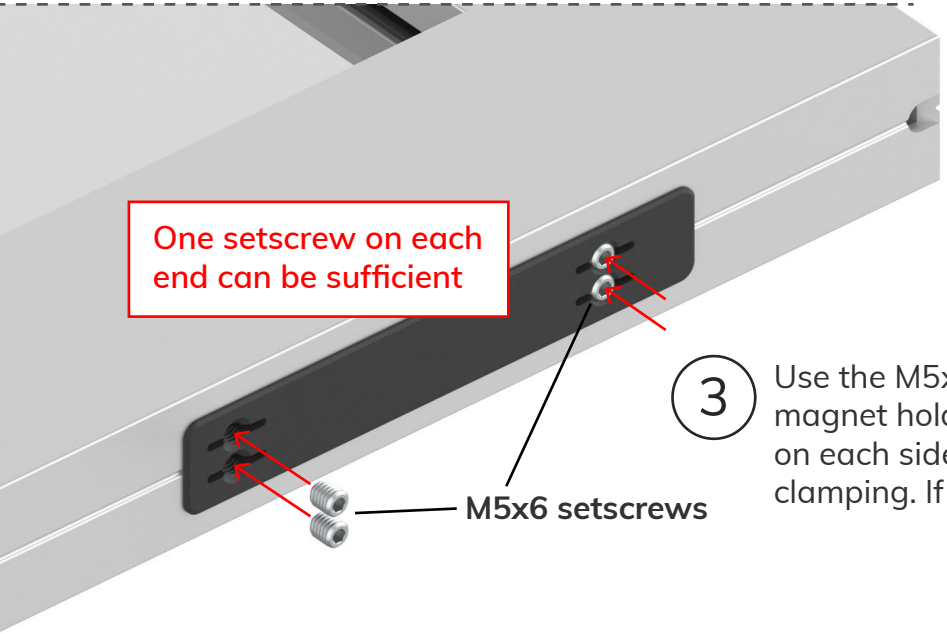


1 Place the magnet in the magnet holder and place in the opening as shown

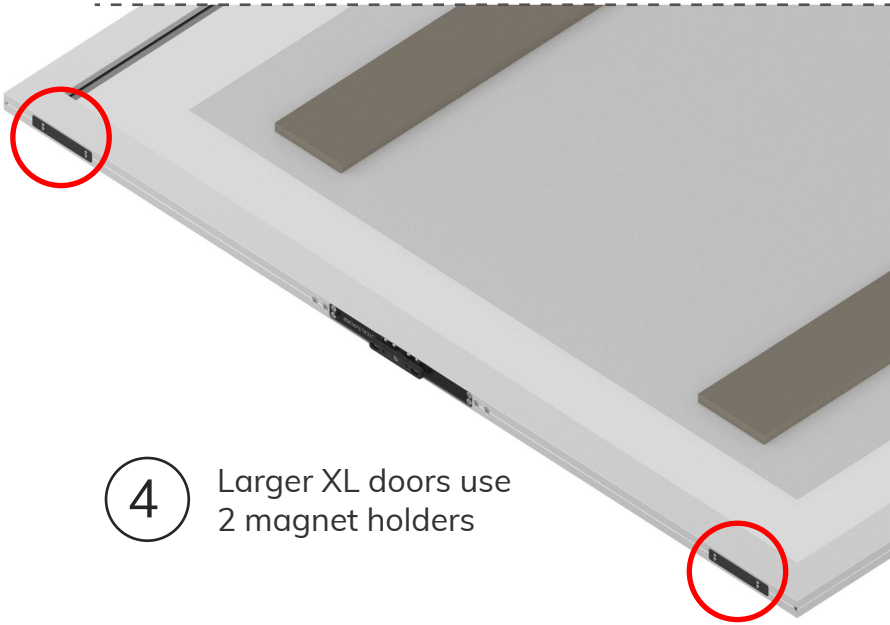
*Always face NORTH side UP on doors, so you can always face SOUTH side down for counter magnets in the doorjamb.



2 Slide the magnet holder in place



3 Use the M5x6 setscrews to clamp the magnet holder in place. One setscrew on each side provides enough clamping. If not, use all setscrews.



4 Larger XL doors use 2 magnet holders

For further instructions on how to install
the fully assembled door in your doorway,
please refer to the DOOR INSTALLATION MANUAL