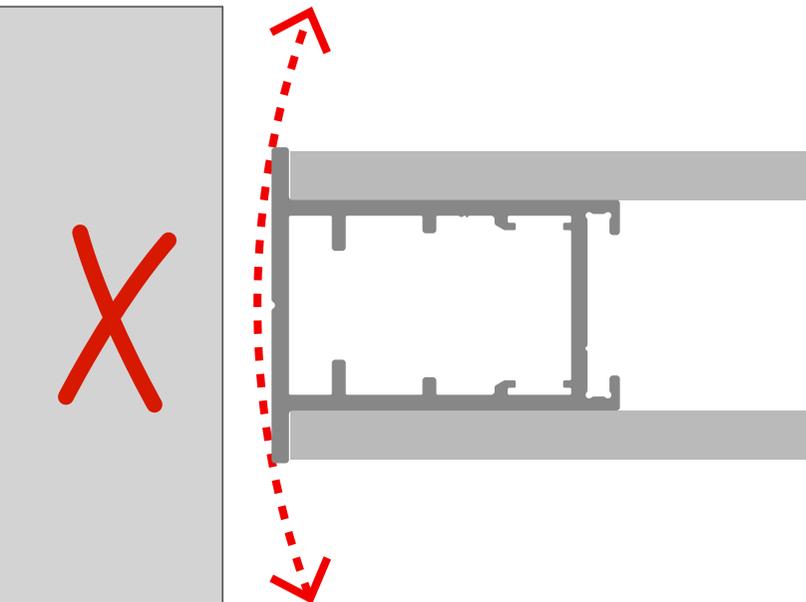
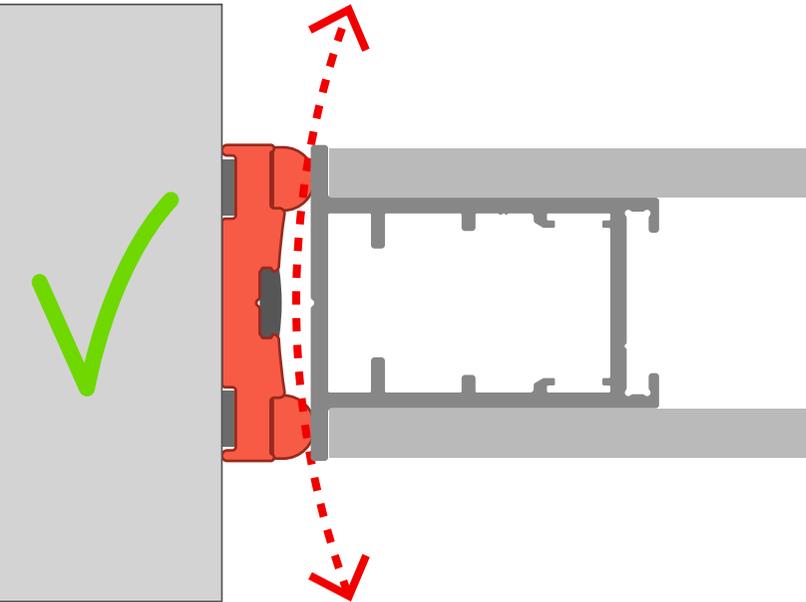


DOOR INSTALLATION MANUAL

With vertical door jambs*

- Custom door leaf (30 or 45 mm thick)
- PortaPivot 6530
- PortaPivot 5045

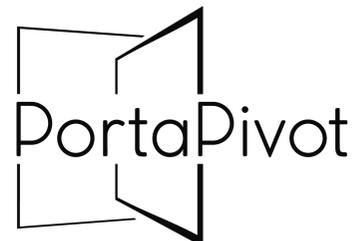
This installation manual applies to both locally manufactured door leaves and PortaPivot door systems



*When not using vertical door jambs, please refer to 'door installation without vertical profiles' manual.

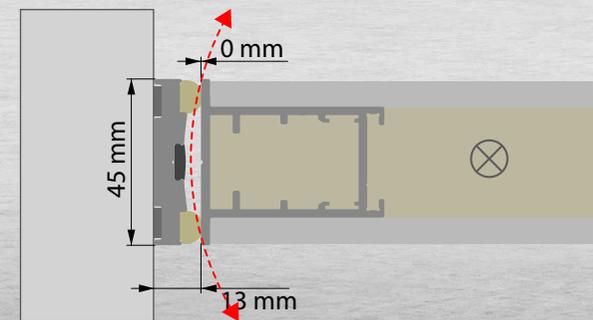
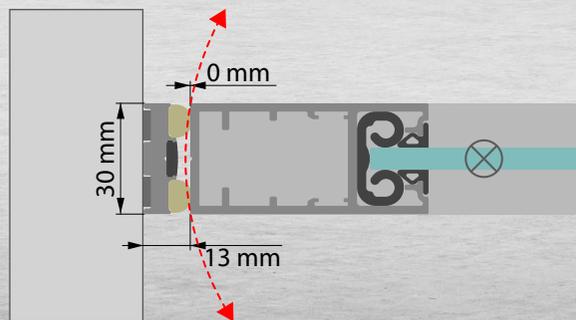
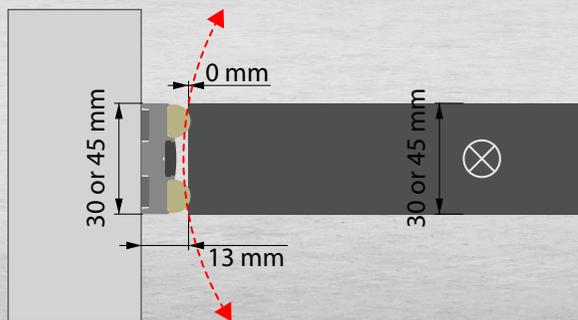
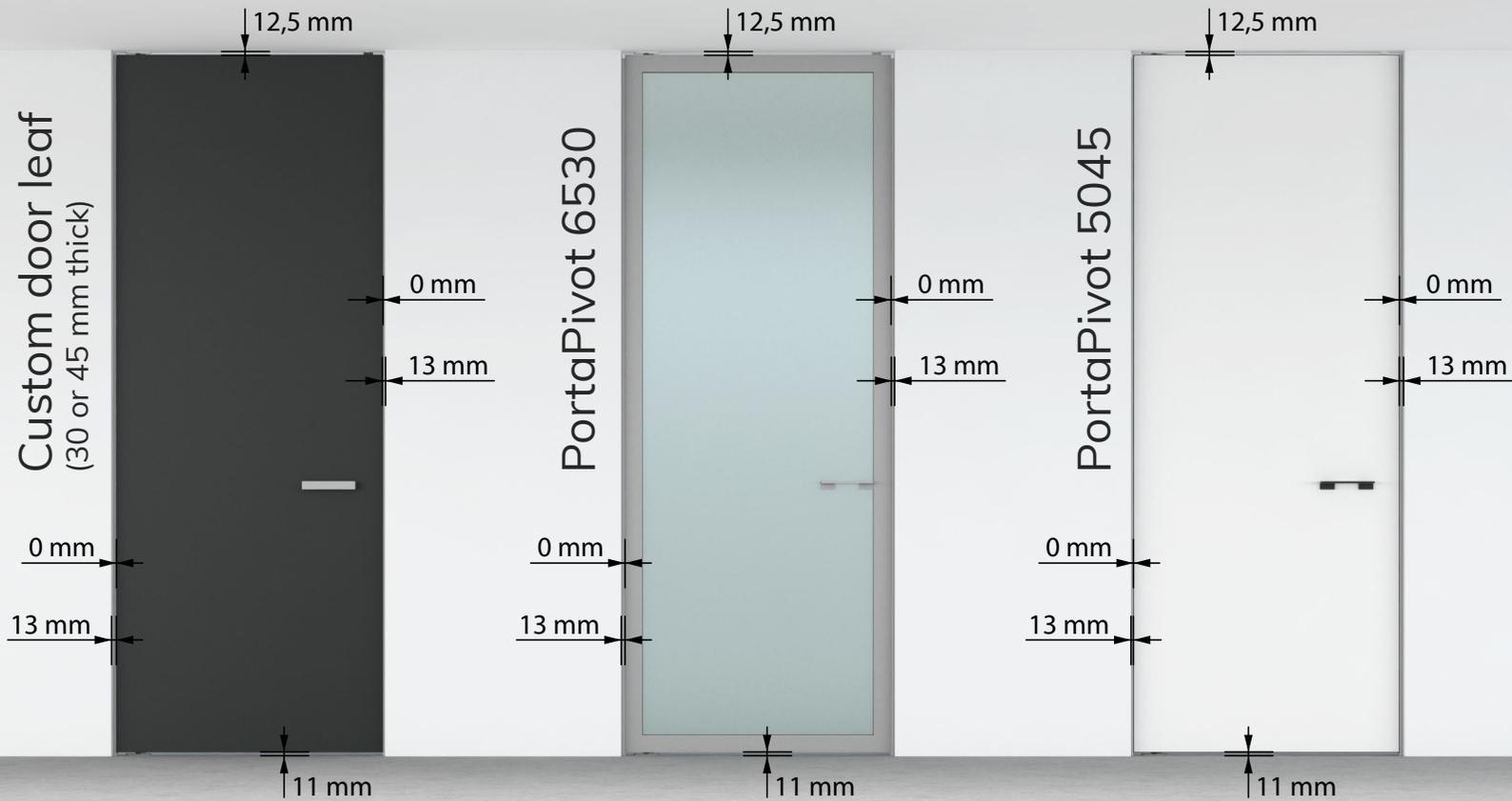
*PortaPivot Glass is always without vertical door jambs.

Patented technology



STEALTHPIVOT
By PortaPivot

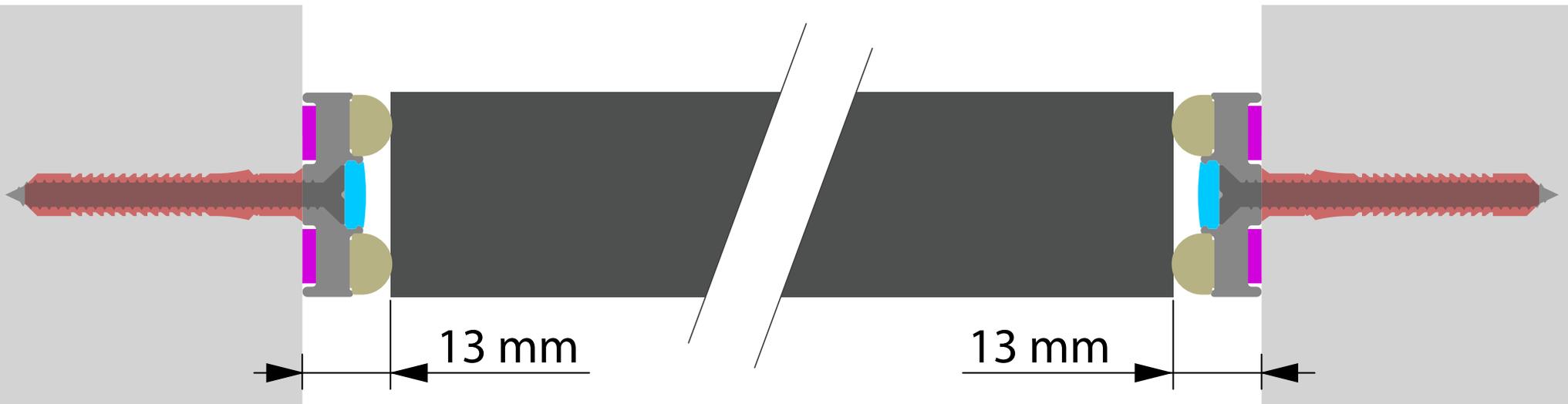
Advised joint dimensions - **with** vertical door jambs

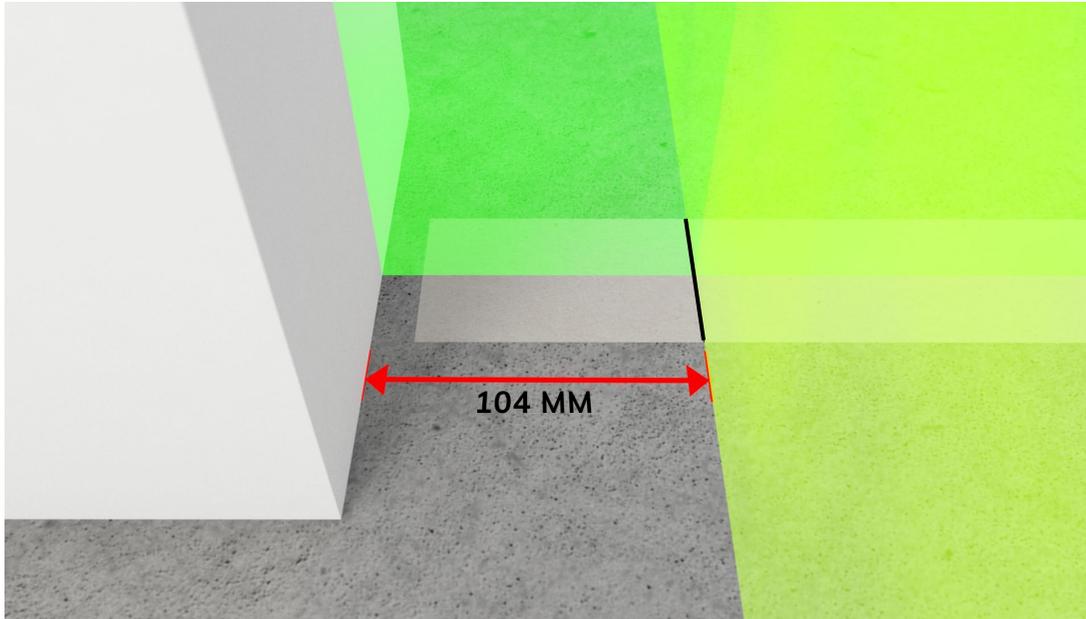


Vertical Door Jambs

Vertical Door Jambs will standard be supplied with an overlength of 'door leaf height + 30 mm', and can be cut to length on site.

- 1 The vertical door jamb uses 2 compressable Qlon strips to close/minimize vertical joints between the door and doorway (left & right).
- 2 It is mounted to the wall with screws and plugs, and joint adjustments are possible because of the special 'swelling foam' to be attached on the back of the aluminium profiles.
- 3 After installation, screws are hidden behind a rubber profile.



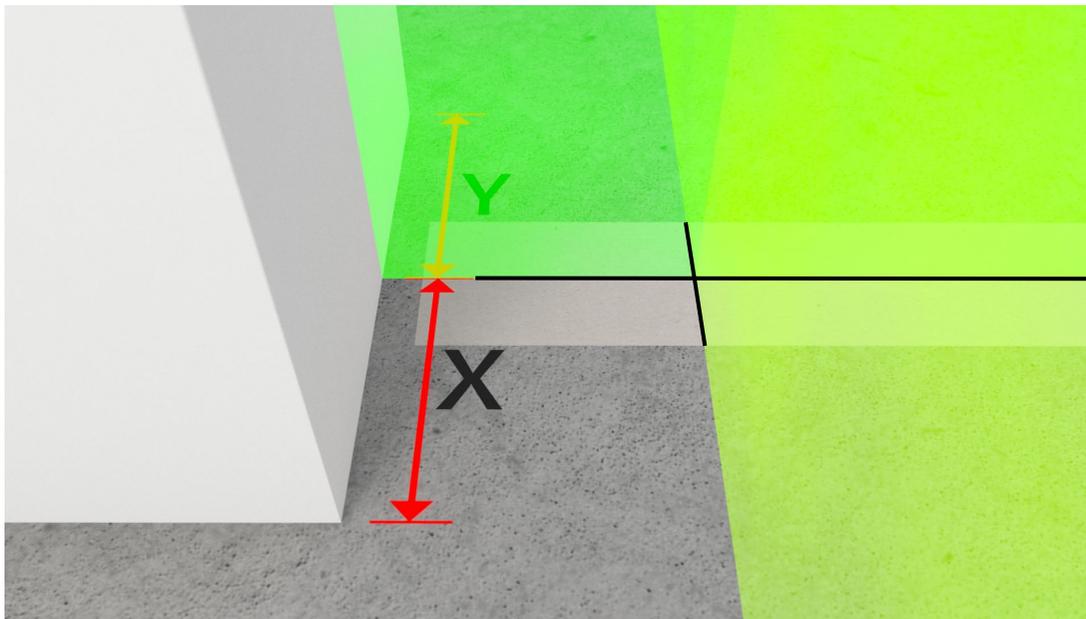


Mark pivot axis

Apply masking tape on the floor.

Measure and mark the 104 mm pivot axis location onto the masking tape.

Place the laser in the doorway, exactly on top of the pivot axis marking.



Position the second laser plane exactly on the desired door leaf center location.
(In this example: $X=Y$)

Mark the door leaf centerline onto the masking tape.

Drill pivot mount holes

Align the drill tool exactly on top of the center lines and mark the 2 drilling holes.

Drill both holes with an 8 mm drill, +-45 mm deep.

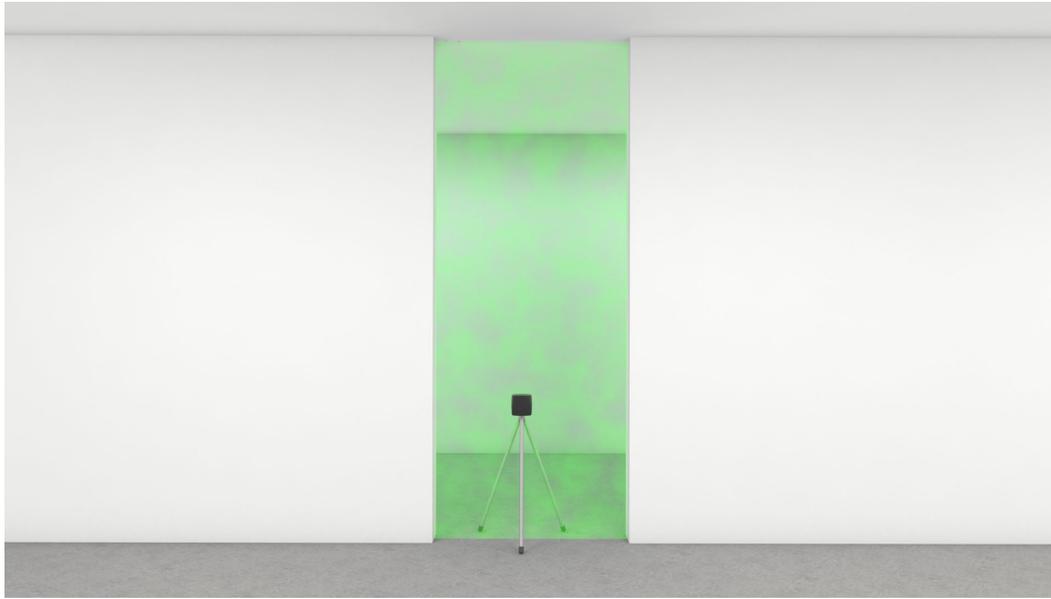
Install Hilti plugs.

Depending on subsurface, different plugs may be required.



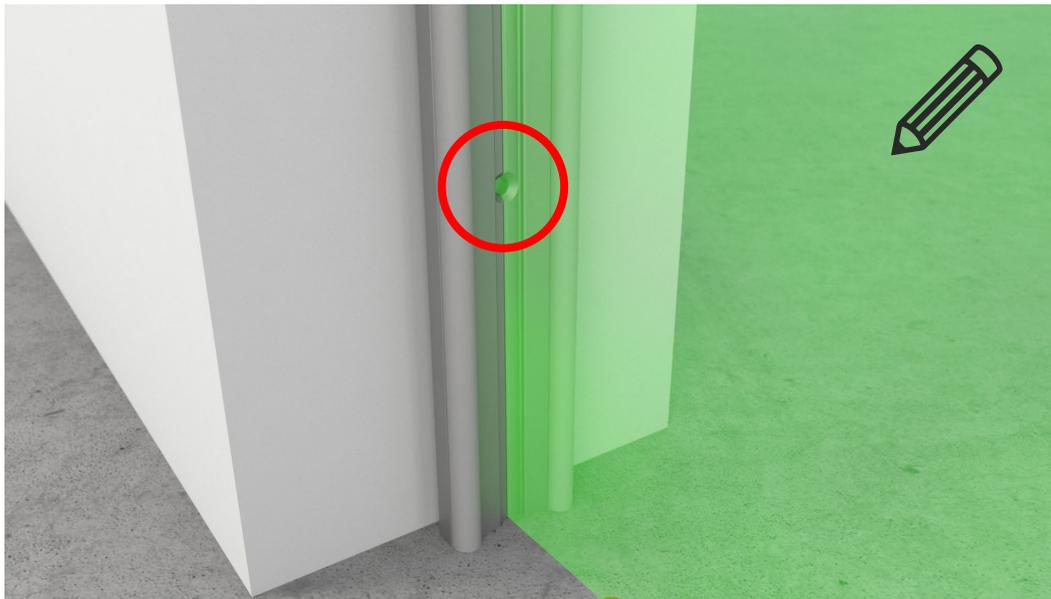


Use a laser to project and mark both holes to the ceiling. Drill holes and insert Hilti plugs.



Install vertical joint profiles

To install the vertical door jambs, first place a laser in the center of the doorway.

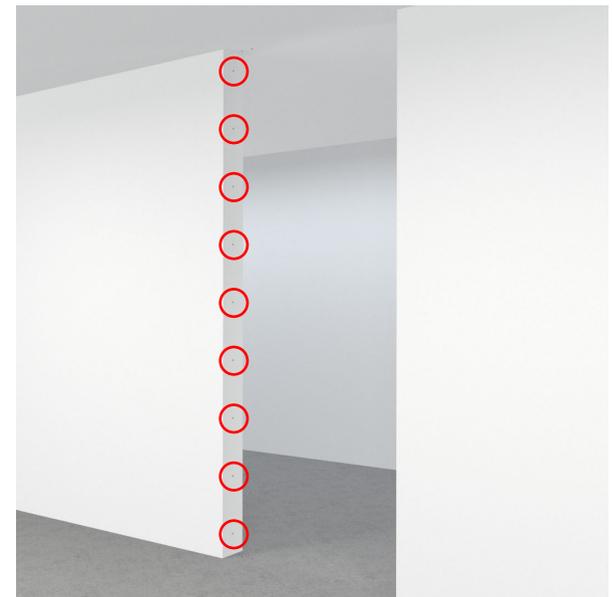
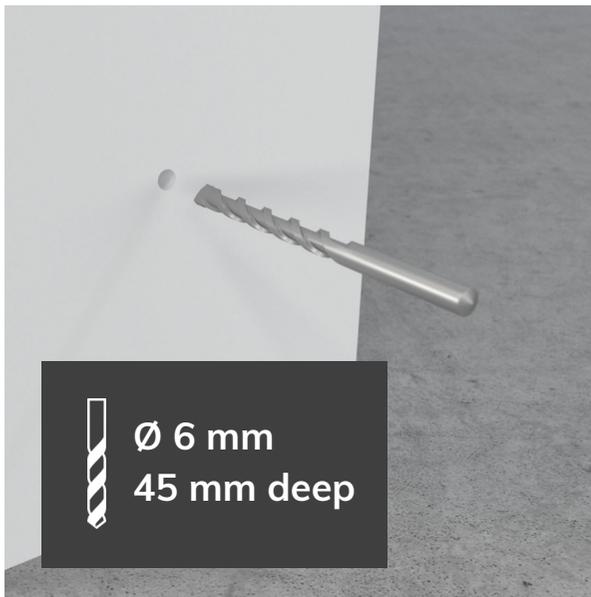


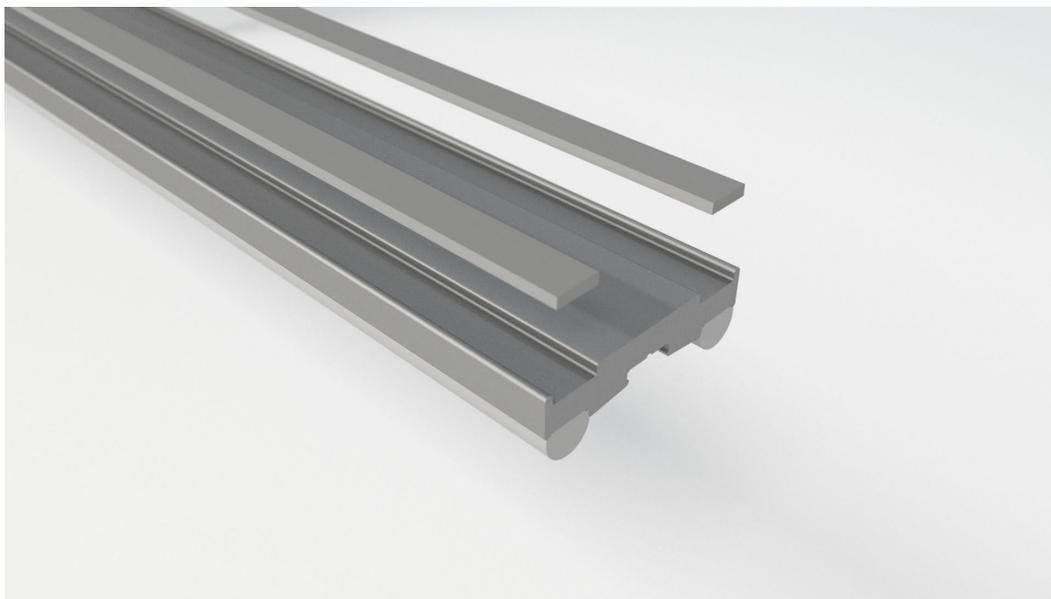
Hold the profile in place, and mark all the holes onto the wall.



Drill all the holes in the marked locations, with a 6 mm drill +/-45 mm deep.

Install a hilti plug in each hole.





Take the profile and install 2 swelling foam strips on the back side.



Make sure to install the profile to the wall immediatly after attaching the swelling foam. It is easier to install if the foam is still compressed!



Use the supplied screws to install the profile to the wall.

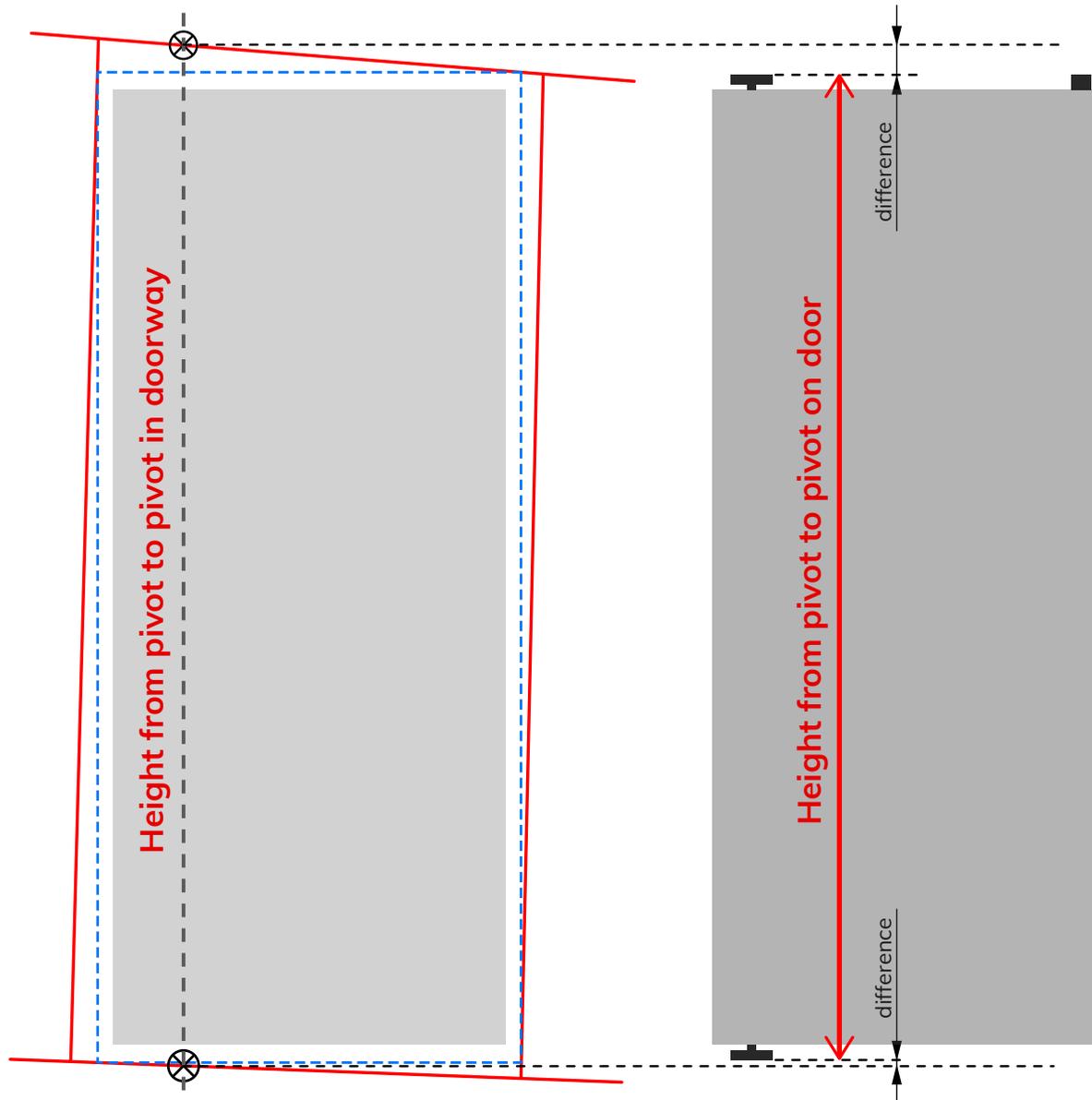


Fully tighten all screws, adjustments can be made when the door is installed.



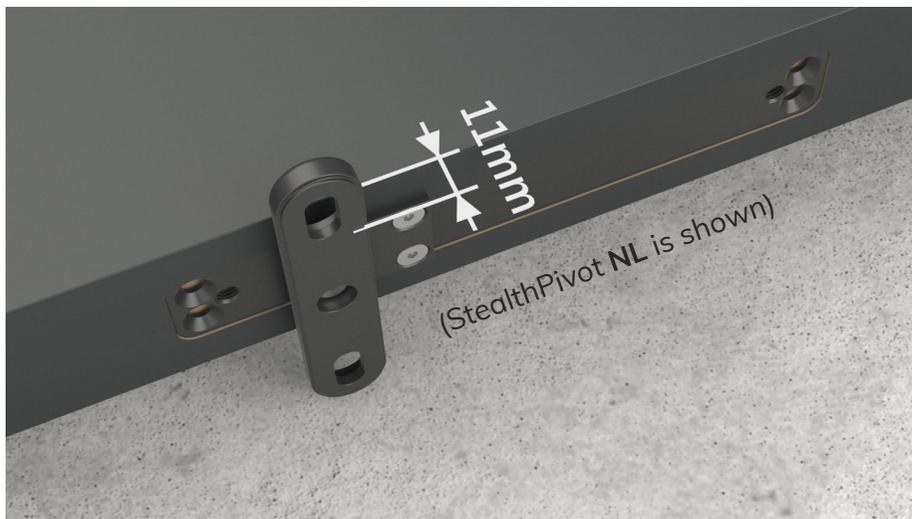
Repeat all steps to install the second vertical joint profile.

Synchronize pivot axis height in doorway



Check the pivot height of the door with the doorway measurements, and synchronize them if necessary.

There are different methods to do this, see following pages.



Adjust bottom hinge height

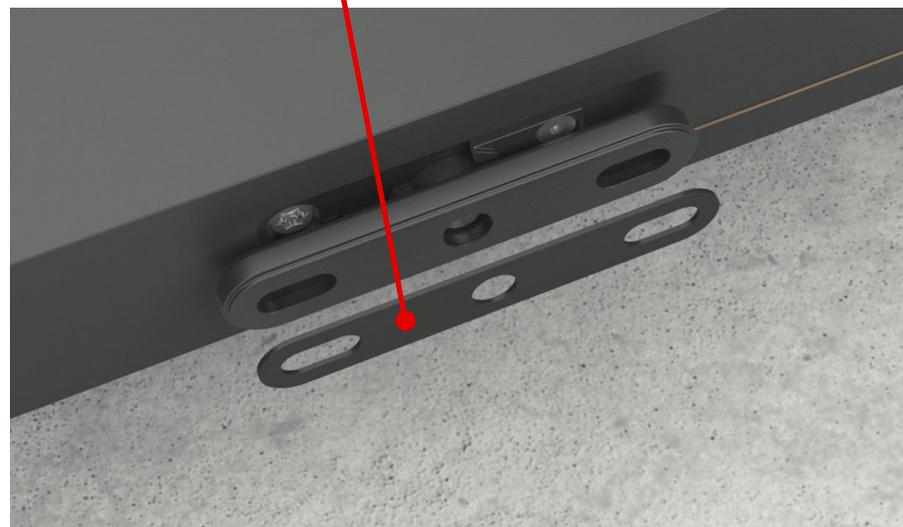
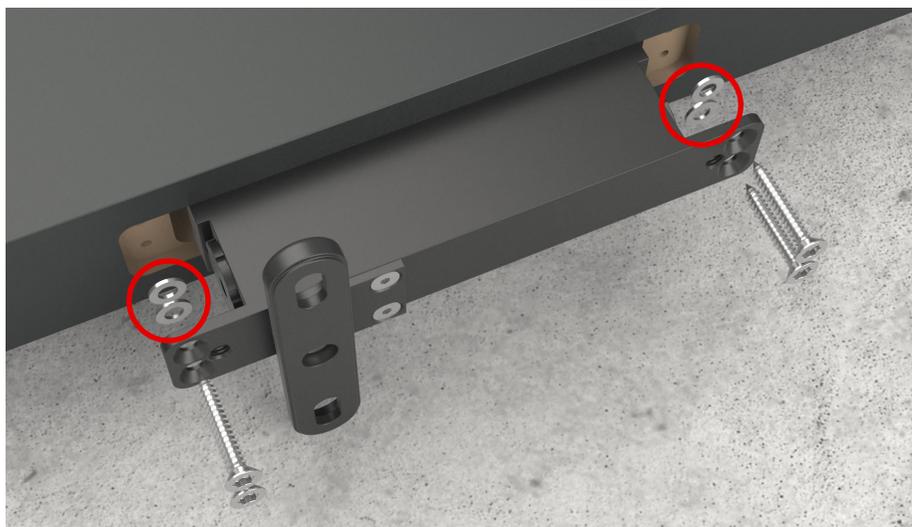
The default bottom joint dimension is 11 mm (=distance between floor and door leaf edge).



To increase the bottom joint, you have 2 options:

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

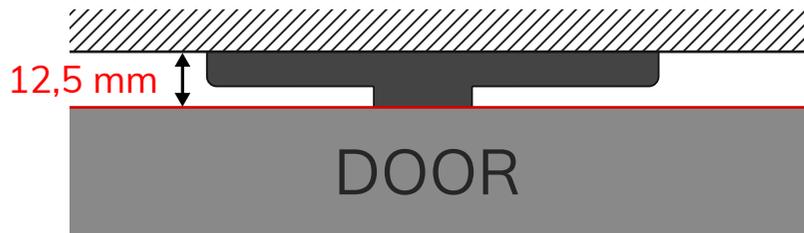
2. Use supplied shims between floor and hinge (= less stable).



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

Adjust top hinge height

The default top joint dimension is 12,5 mm (=distance between ceiling and door leaf edge). This is necessary for the optional 1-way accessory and positioning magnets

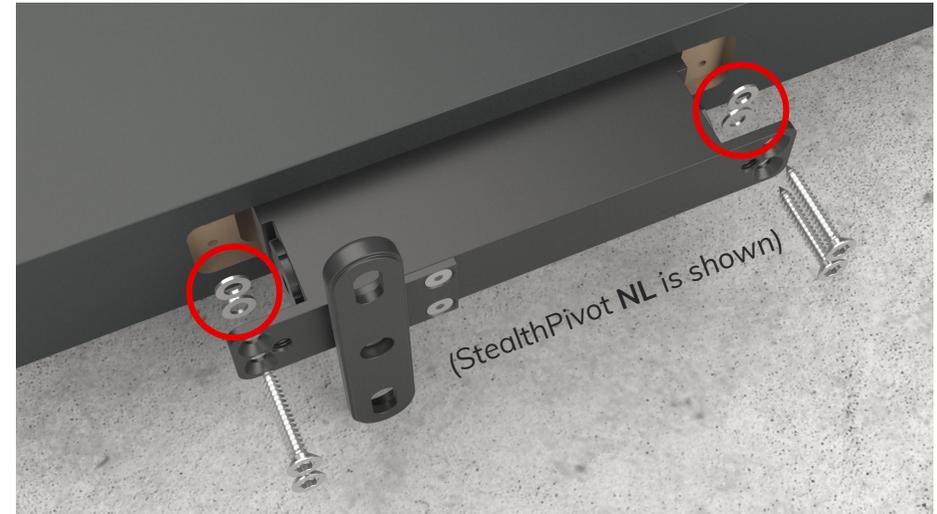


To increase the top joint, you have **3 options**:

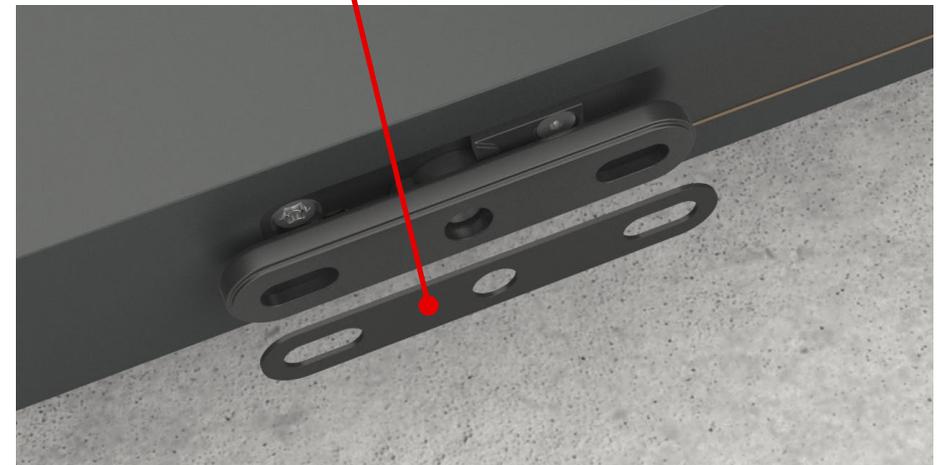
1. Adjust the inbus screws to move the hinge further away from the door leaf (loosen 4 screws first). (only possible for non compressable door structure)



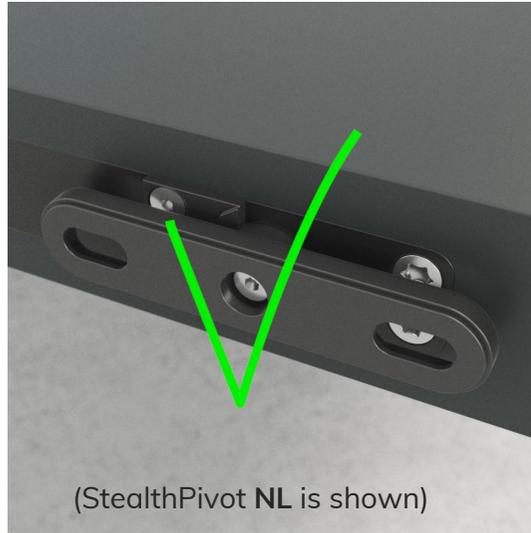
2. Use (supplied) shims between hinge and door leaf.



3. Use supplied shims between ceiling and hinge (= less stable).



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



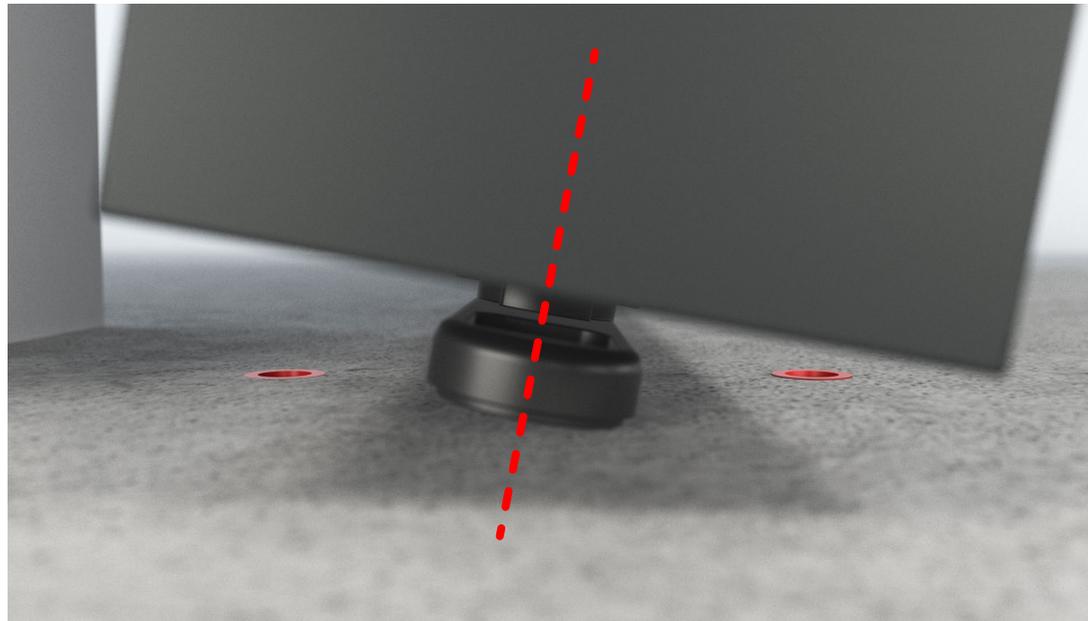
(StealthPivot **NL** is shown)



Door leaf installation

Make sure both pivots are in their 'closed' position.

Be careful when manipulating the self closing pivot. This will snap into position with large force!



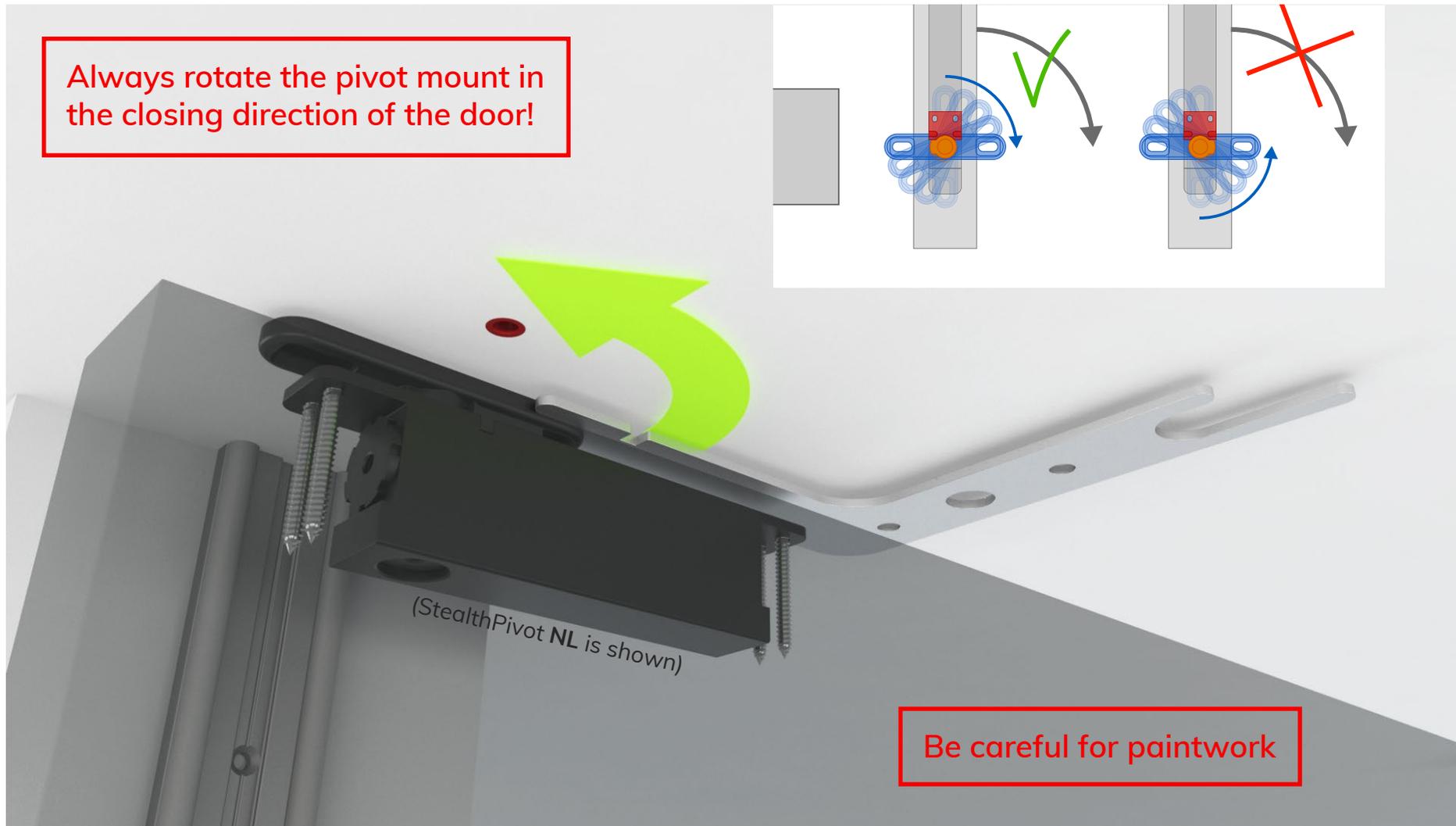
Place the door leaf in the doorway, and position the bottom pivot in between the 2 mounting holes at the axis position.



Tilt the door leaf upright, and keep it in place.

Use the drill tool to rotate the pivot mount in place. Repeat for the bottom pivot mount.

Be careful when manipulating the self closing pivot. This will snap into position with large force!

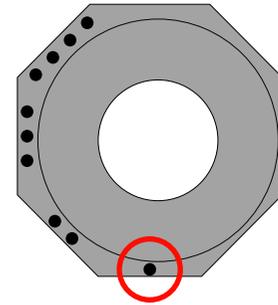


TOP first!



Secure top pivot first!

Install octagonal insert at position 1, insert screw but do not tighten fully yet.



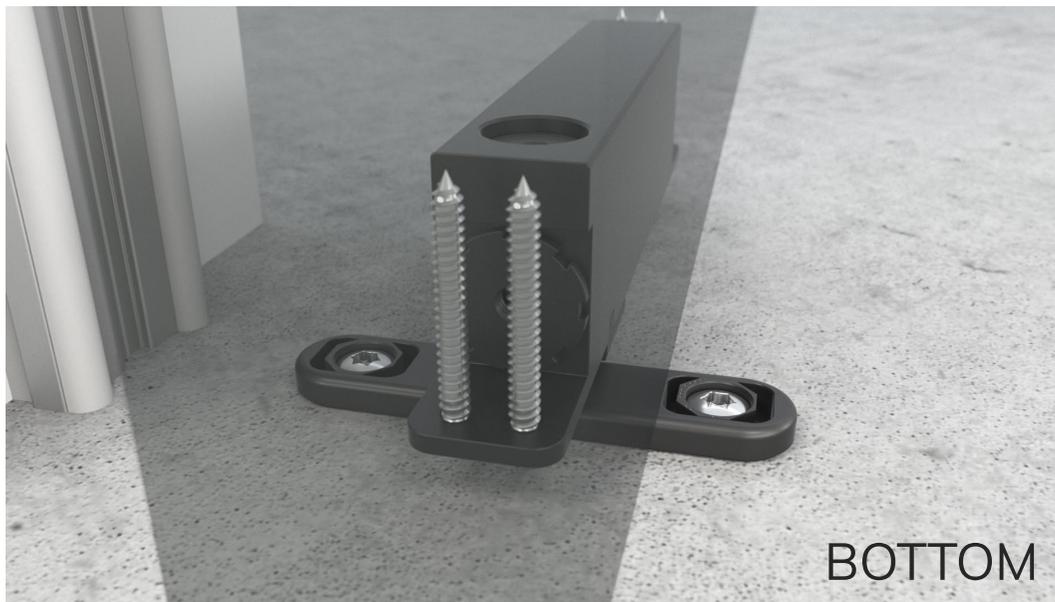
Repeat for second insert and screw.

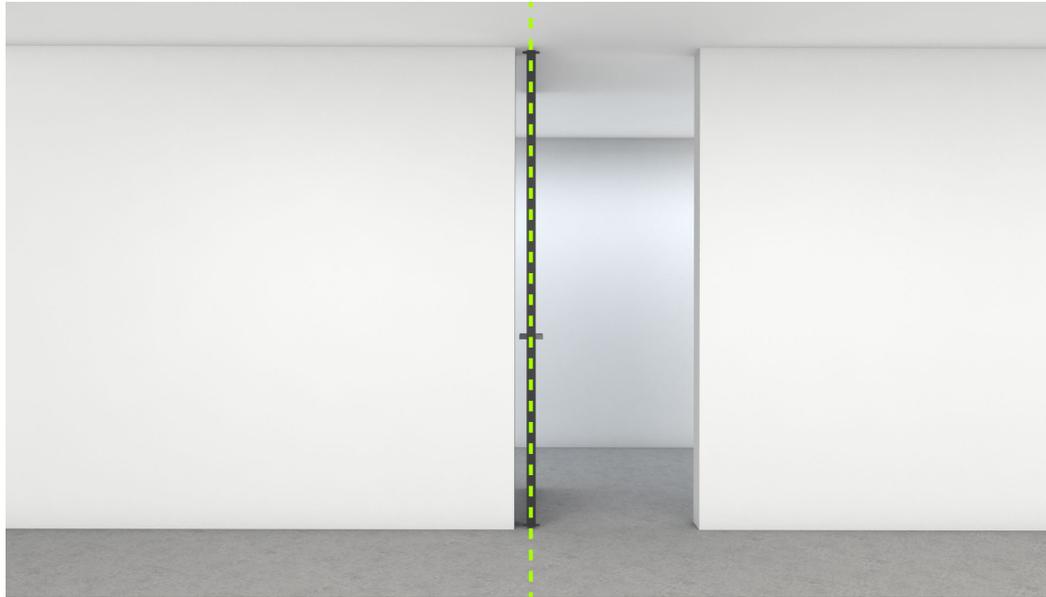




Repeat former steps for bottom pivot.

Make sure that all inserts are placed at position 1, all facing the same side.





Adjust pivot axis

Use a laser to check if the pivot axis is perfectly level.



To correct the pivot axis, loosen the screws and adjust the position.

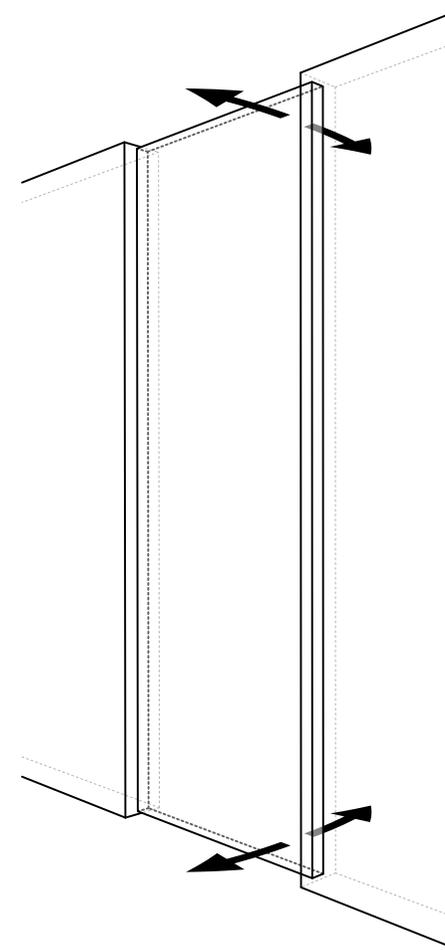
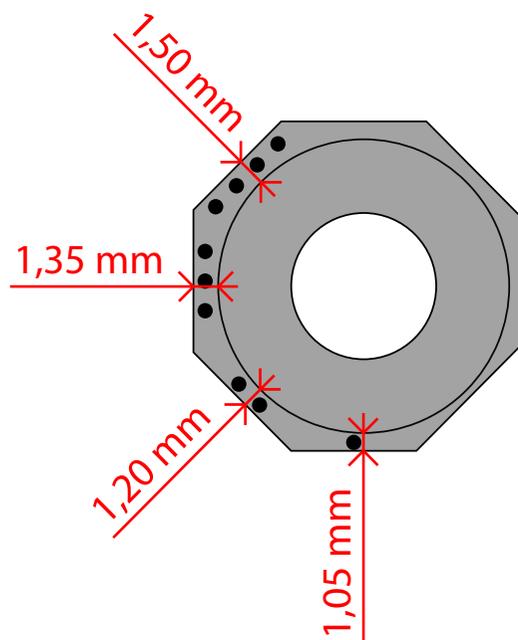
After adjustment, remember to tighten screws.



0° positioning

The octagonal inserts are used to finetune the door leaf angle to 0°.

Optional magnets can also be used for 0° positioning. The magnets will ensure correct 0° positioning over a longer period of time. For more information, see page 27-29.

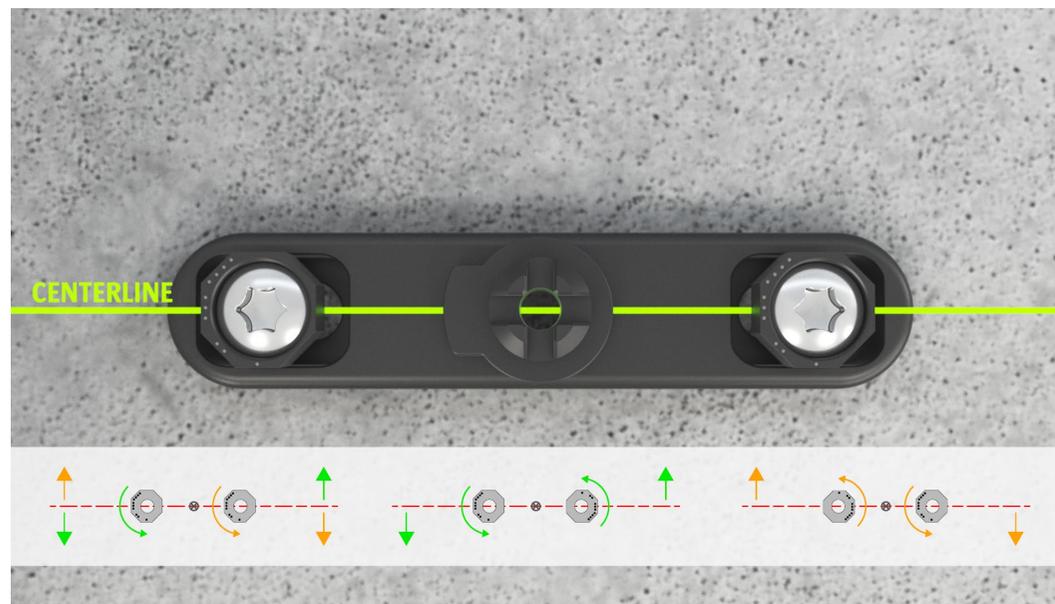
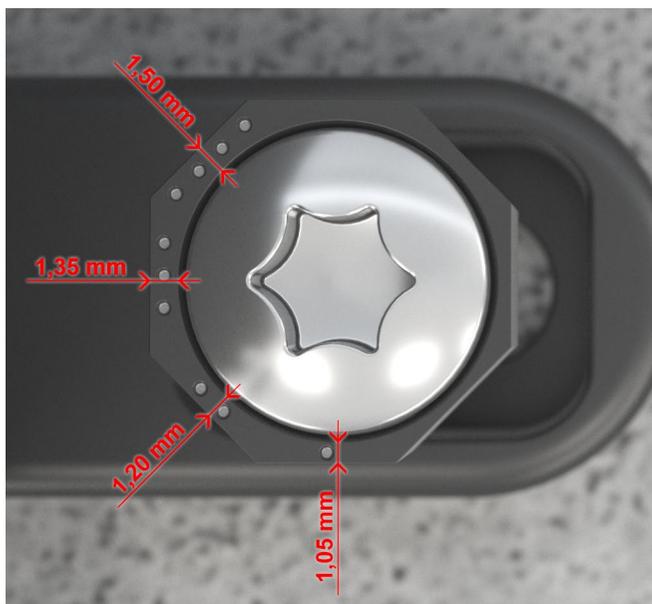




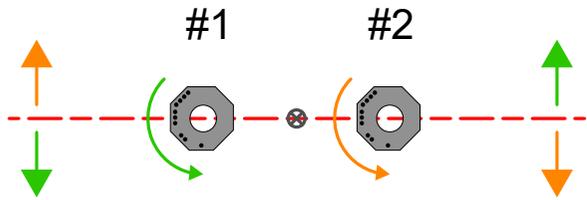
Loosen the screws, and use pliers to lift the insert out of the pivot foot.

The inserts are excentric, so each position will affect the centerline angle of the door leaf.

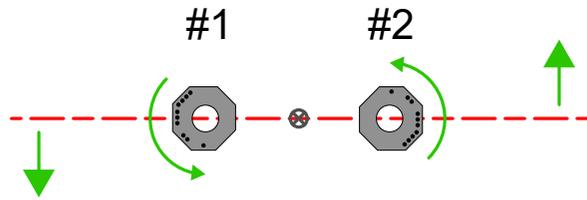
The view below shows the effect on the centerline angle when rotating the inserts to different positions.



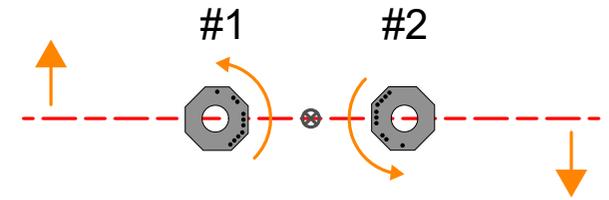
Correction angle diagram for 0° adjustment



#1	#2	angle
1	1	0,00
1	2	0,13
1	3	0,25
1	4	0,38
2	1	-0,13
2	2	0,00
2	3	0,13
2	4	0,25
3	1	-0,25
3	2	-0,13
3	3	0,00
3	4	0,13
4	1	-0,38
4	2	-0,25
4	3	-0,13
4	4	0,00



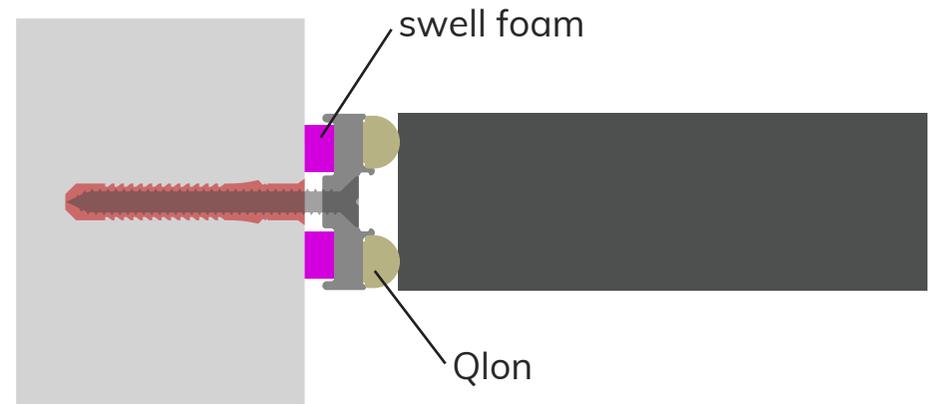
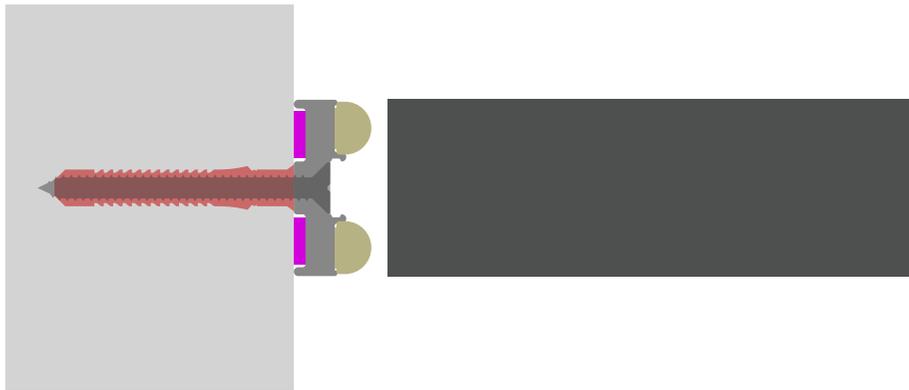
#1	#2	angle
1	1	0,00
1	2	-0,13
1	3	-0,25
1	4	-0,38
2	1	-0,13
2	2	-0,25
2	3	-0,38
2	4	-0,51
3	1	-0,25
3	2	-0,38
3	3	-0,50
3	4	-0,63
4	1	-0,38
4	2	-0,50
4	3	-0,63
4	4	-0,76



#1	#2	angle
1	1	0,00
1	2	0,13
1	3	0,25
1	4	0,38
2	1	0,13
2	2	0,25
2	3	0,38
2	4	0,51
3	1	0,25
3	2	0,38
3	3	0,51
3	4	0,63
4	1	0,38
4	2	0,50
4	3	0,63
4	4	0,76

Vertical door jambs adjustments

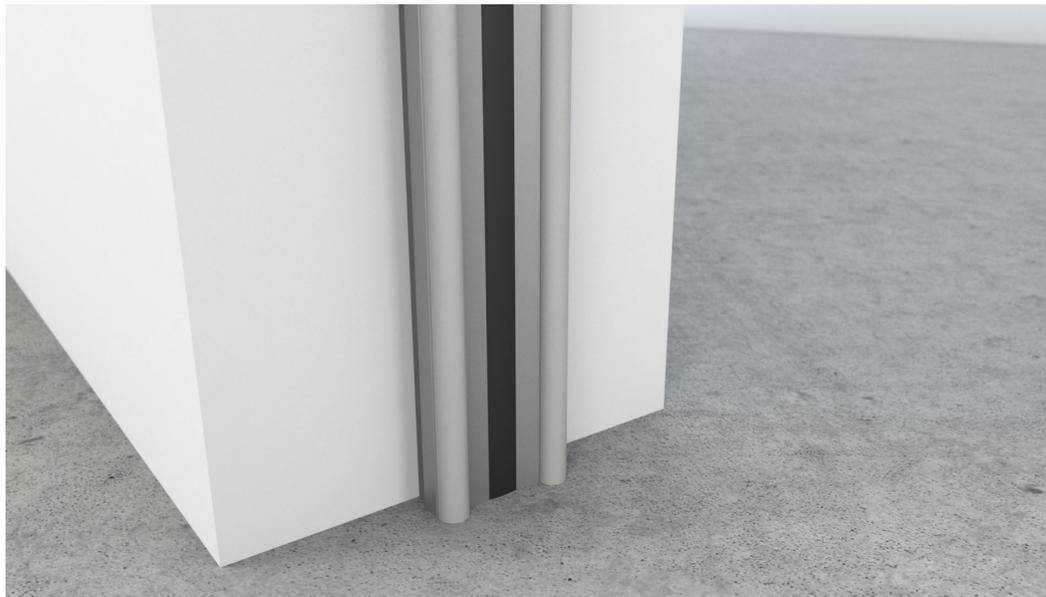
To adjust the joint, loosen the screws of the door jamb. The foam will swell and push the door jamb closer to the door. The 2 Qlon strips should just touch the door (left and right side).



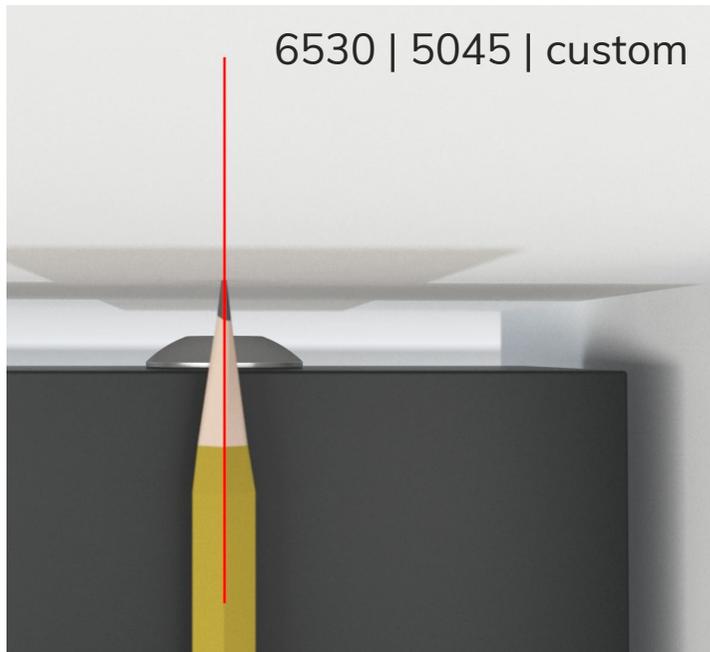


Screw cover

When the vertical door jambs are perfectly adjusted, install the rubber insertion profile to hide all screws



Optional 0° positioning magnet on ceiling



Carefully mark the center of the doorleaf and the center of the magnet onto the ceiling.



Drill the hole and install the magnet with Hilti plug and screw.



*If necessary, use optional shims for height adjustments of the magnets.

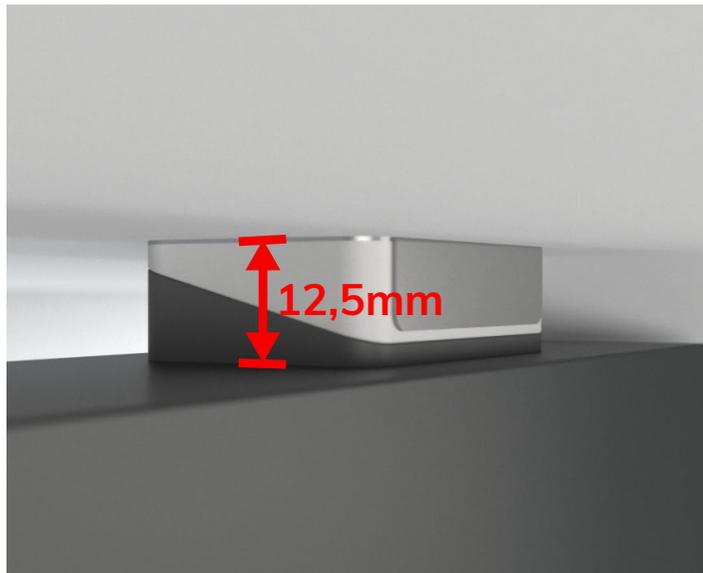
For XL versions, you can mount a magnet on both sides of the ceiling to ensure 0° positioning.



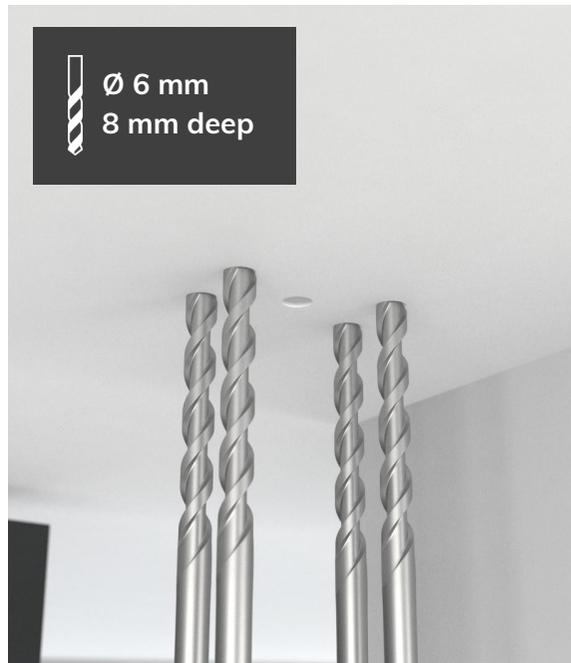
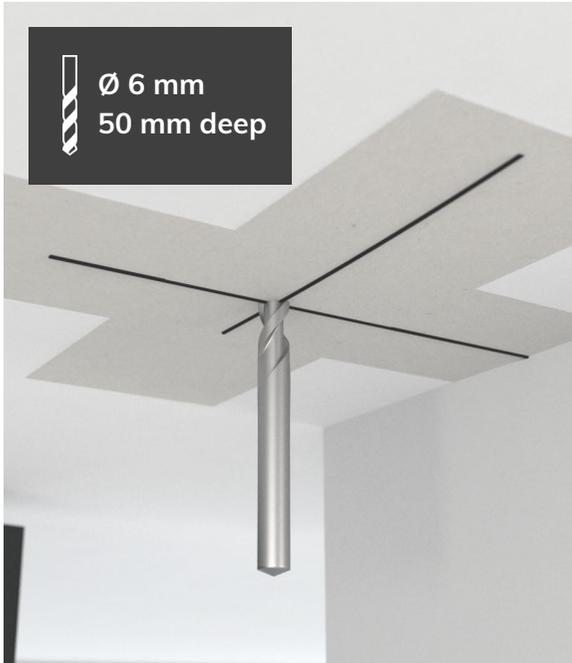
Optional 1-way on ceiling



1-way accessory on the door should already be installed.

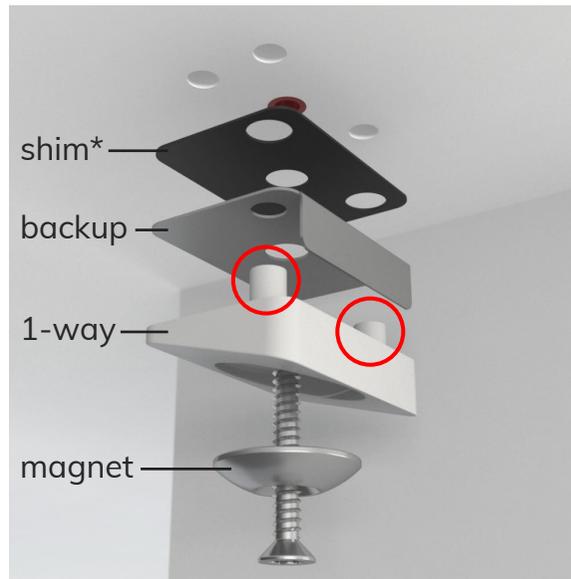
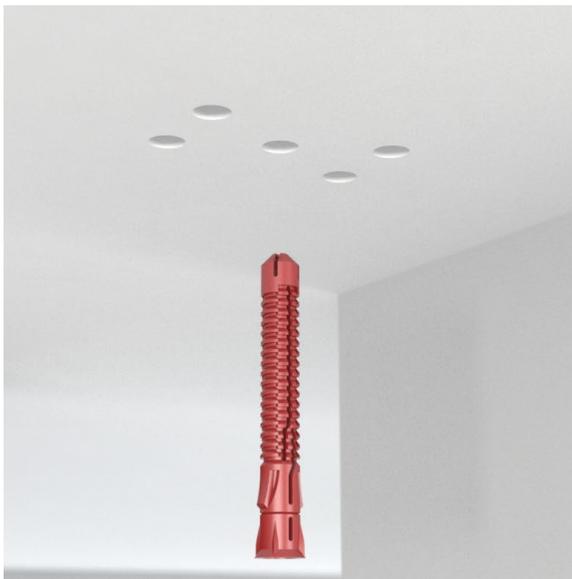
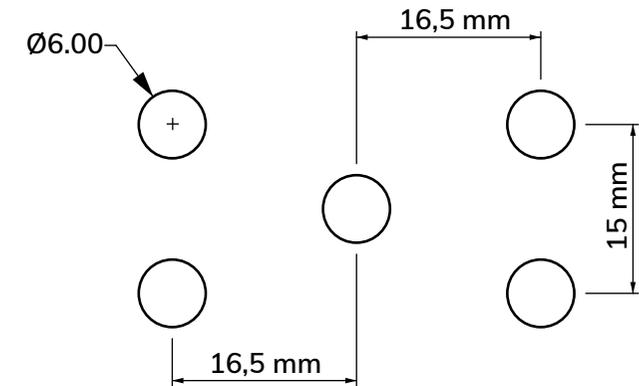


12,5 mm clearance is necessary to fit the 1-way.



Mark the center and drill a 6 mm hole +/-50mm deep.

Next drill four 6 mm holes +/-8 mm deep for the 1-way columns to fit.



Install a Hilti plug.

Install the magnet, 1-way and backup plate with a screw.

*If necessary, use optional shims for height adjustments of the 1-way.

For stealthpivot XL versions, you can mount a 1-way on both sides of the ceiling to ensure 0° positioning.



If you cut away both columns, you only need to drill the center hole (=less stable!)



(StealthPivot **NL** is shown)

Minimize visible components

A supplied coloured cover can be placed to hide the screws and to blend with your floor or ceiling.



Different colors are available at www.portapivot.com





Adjustable closing force

The pivot closing force can be adjusted by changing the default gas springs.

Screw off (both) end cap(s), remove the gas spring(s) and replace them.

Screw (both) cap(s) back on.



(StealthPivot **XL** is shown)

StealthPivot **XL** set:

Default = 4 x 400N

Optional* = 4 x 300N or 4 x 500N

StealthPivot **NL** set:

Default = 2 x 300N

Optional* = 2 x 400N or 2 x 500N

*Can be purchased separately on our website
www.portapivot.com

Finished product examples



Custom door leaf



PortaPivot 6530



PortaPivot 5045