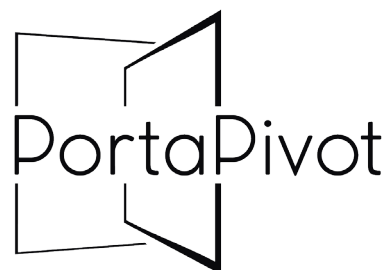


DOOR INSTALLATION MANUAL

- Custom door leaf
- PortaPivot 6530
- PortaPivot 5045
- PortaPivot Glass

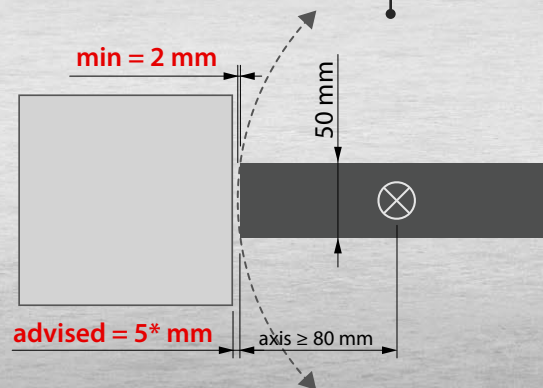
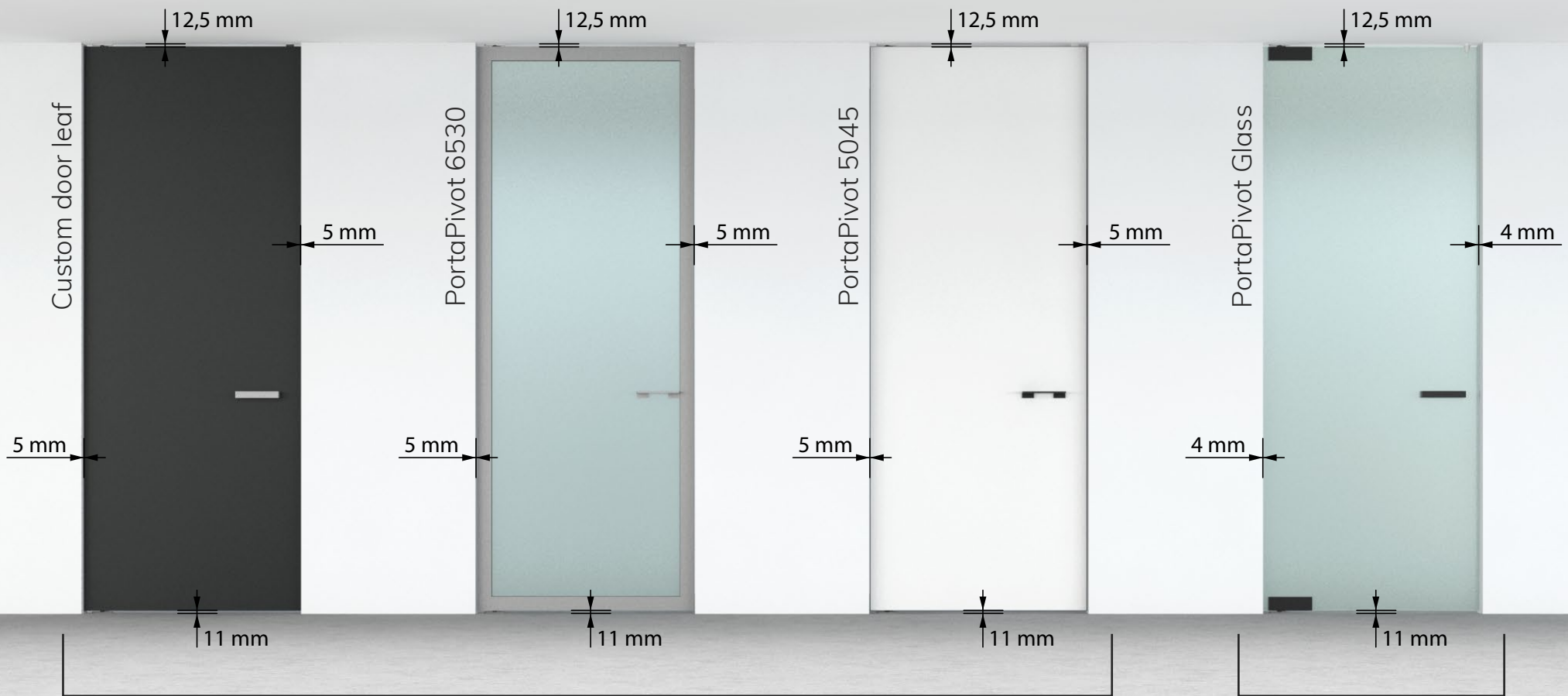
This installation manual applies to both locally manufactured door leaves and PortaPivot door systems

Watch our instruction videos on www.portapivot.com

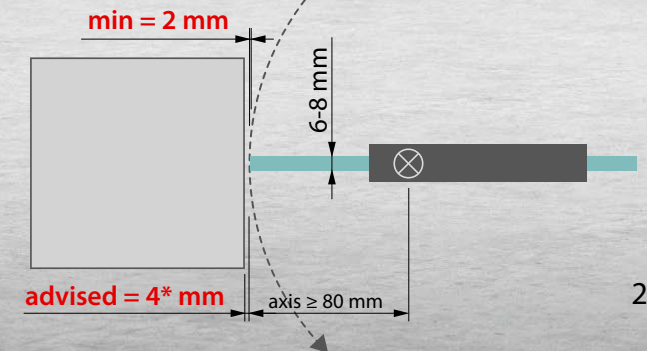


STEALTHPIVOT
By PortaPivot

Advised joint dimensions



For thicker door leaves or panels, you have to recalculate the left and right joint dimensions in relation to the pivot axis distance.



Define pivot axis

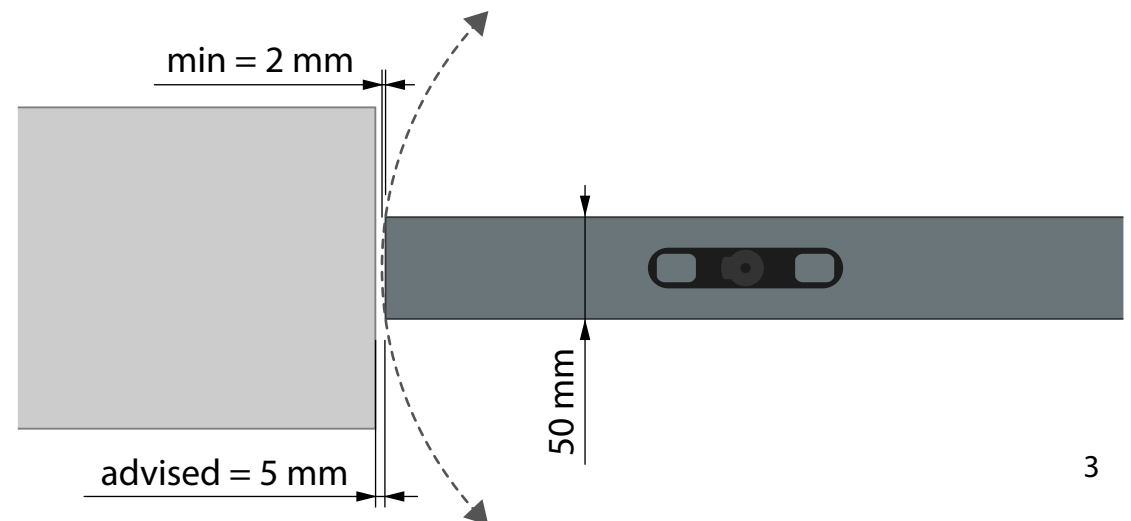
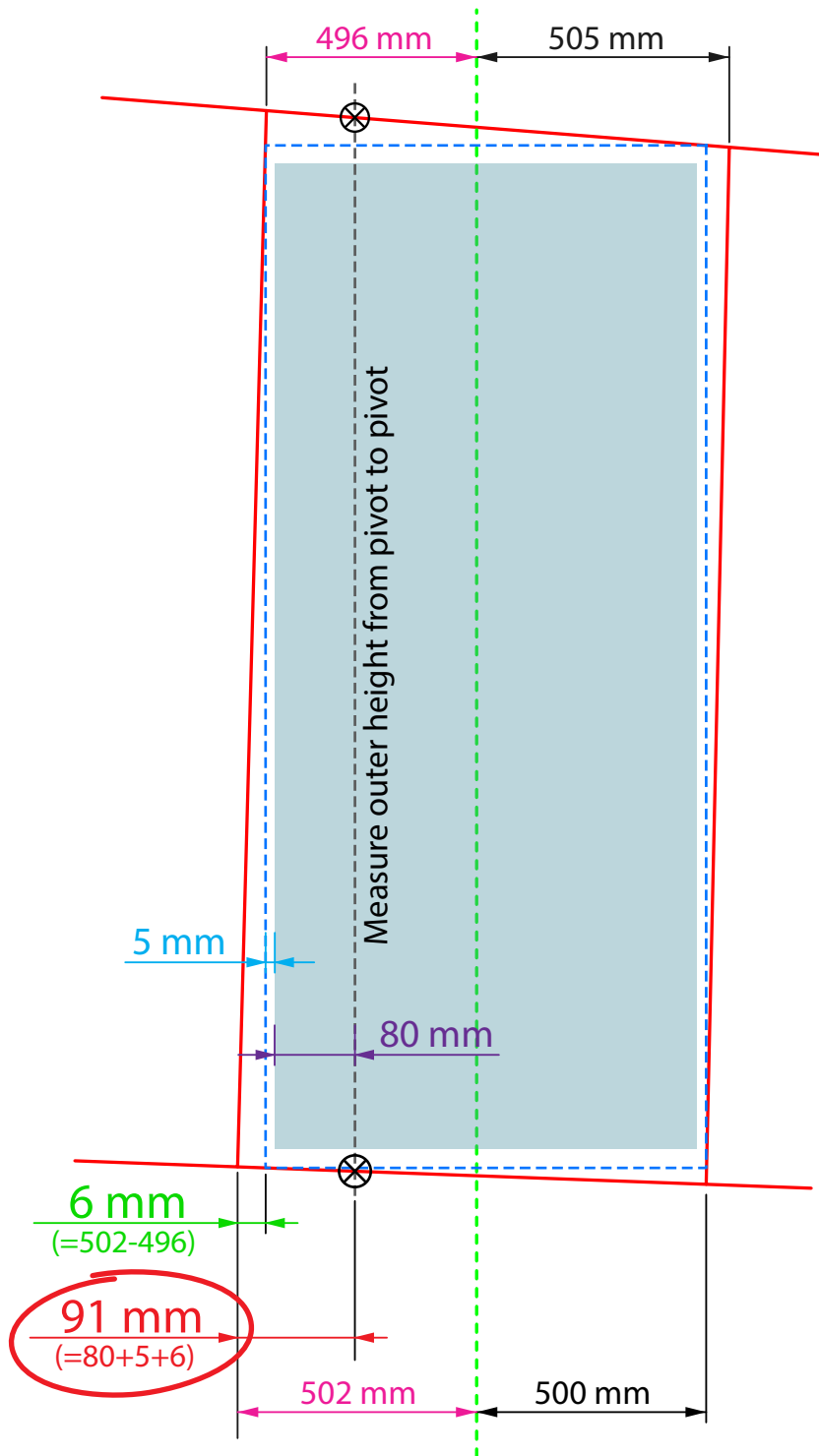
In this example, the pivot axis is placed at **80 mm** from the door leaf edge.

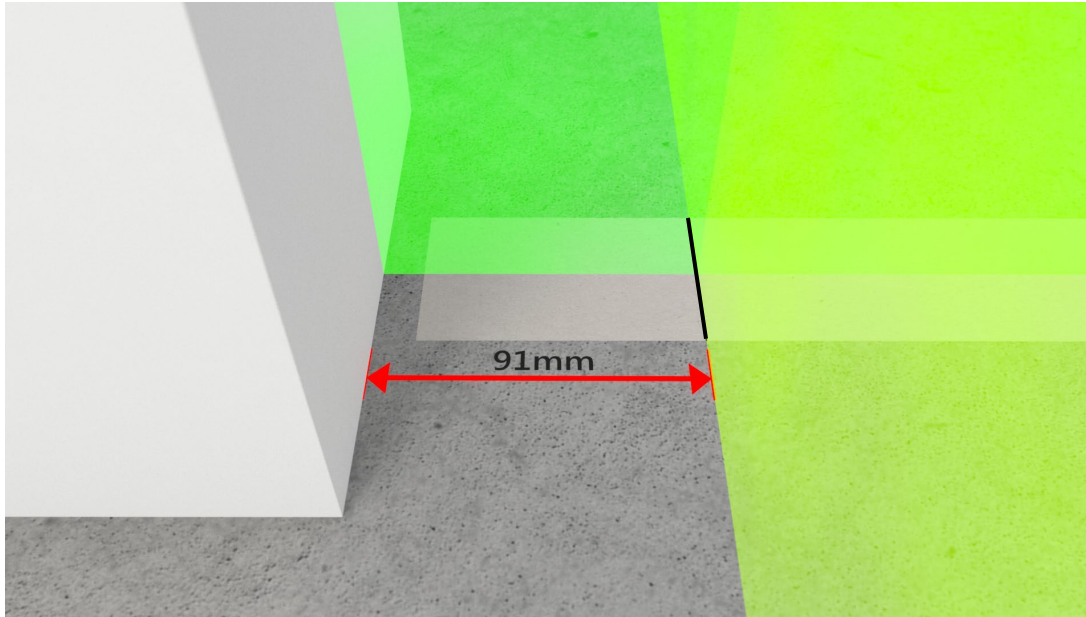
The bottom left side of the doorway is **6 mm** wider than the top left: $502 - 496 = 6 \text{ mm}$

- ⊗ To mark the pivot axis point on the floor, add the **5 mm*** joint and **6 mm** slanting to the **80 mm** pivot axis location:

$$80 + 5 + 6 = 91 \text{ mm}$$

- * Left and right joint dimensions vary according to the selected door type.
5 mm joint is advised for 30-50 mm thick panels.



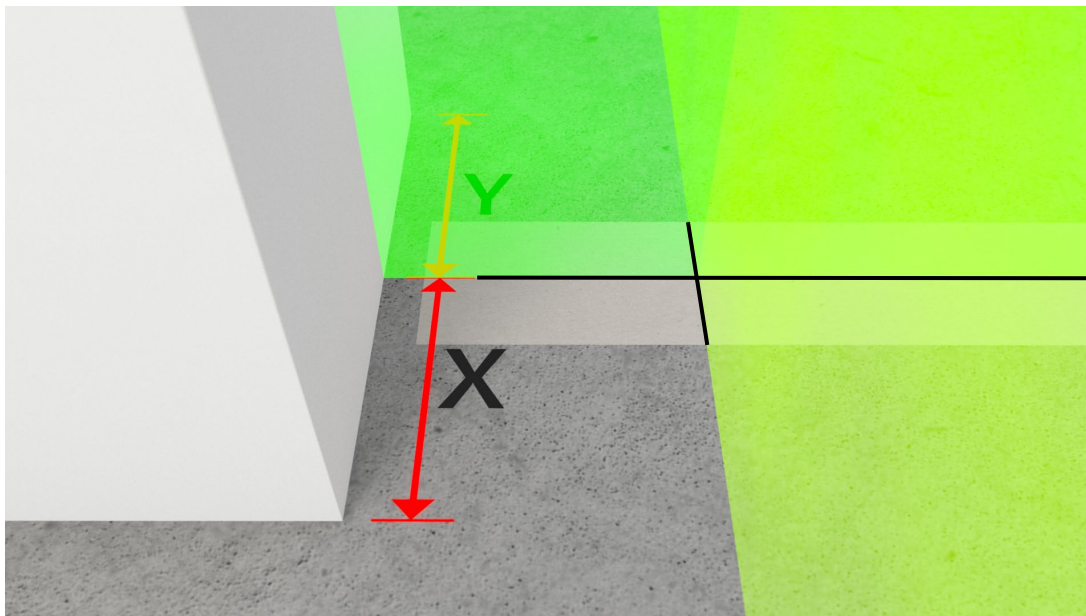


Mark pivot axis

Apply masking tape on the floor.

Measure and mark the 91mm 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.



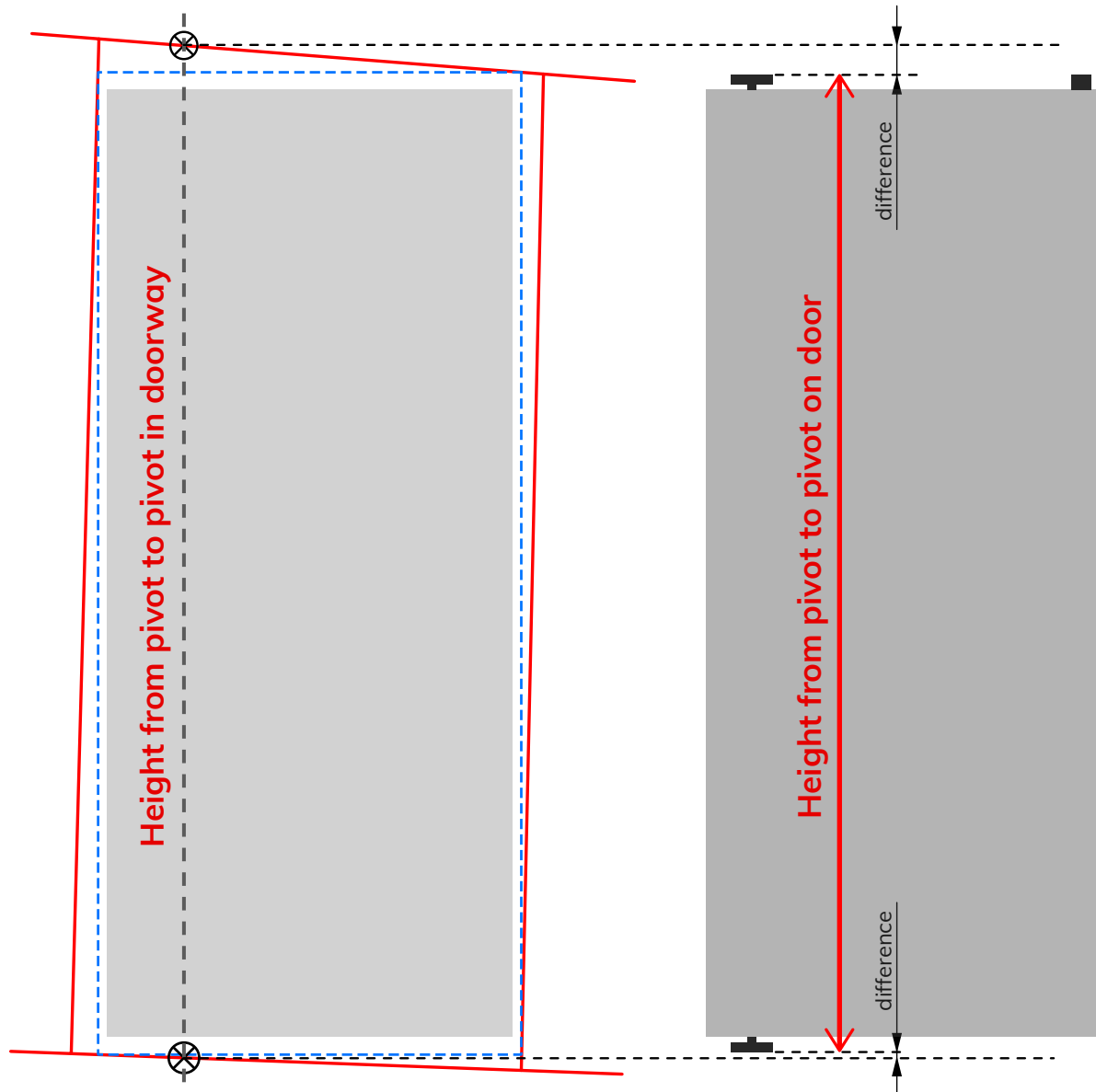
Depending on subsurface, different plugs may be required.





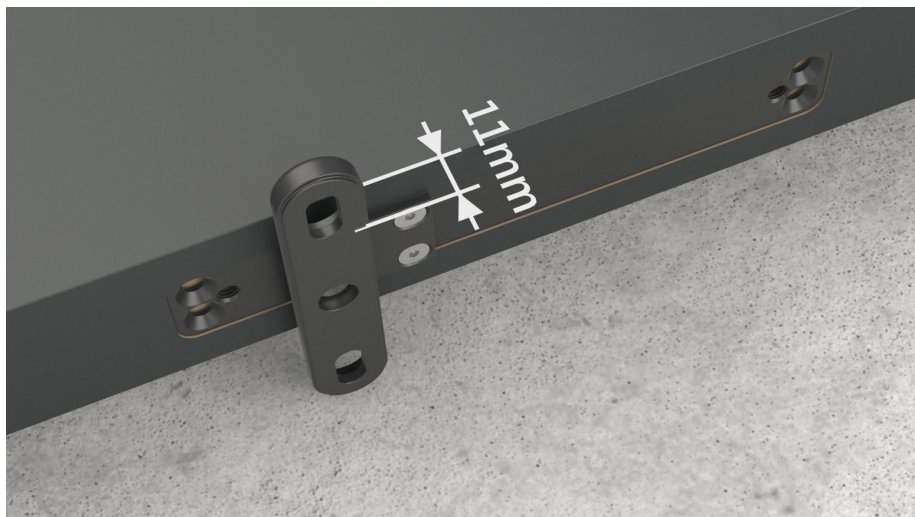
Use a laser to project and mark both holes to the ceiling. Drill holes and insert Hilti plugs.

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

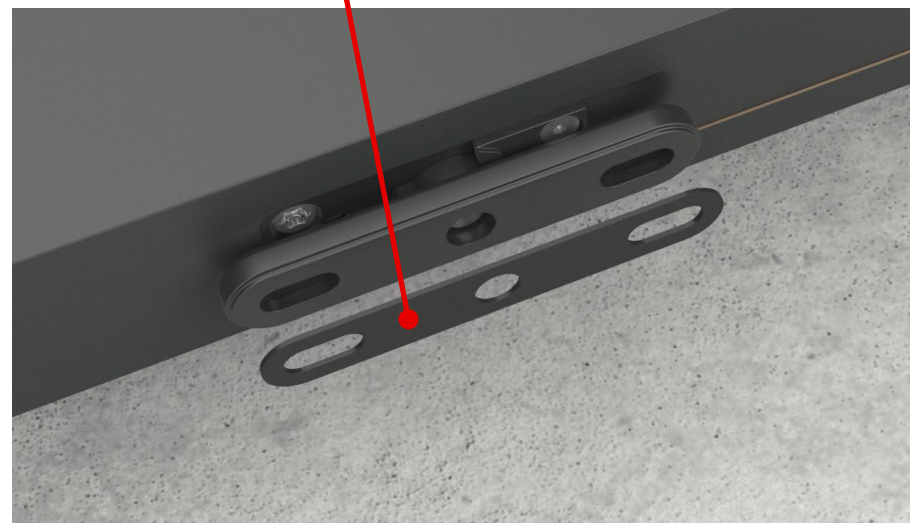
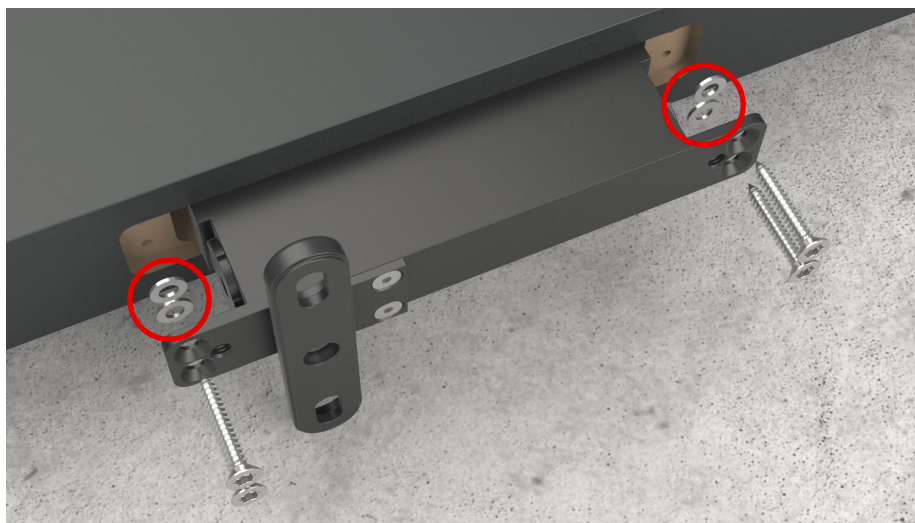
The default bottom joint dimension is 11 mm (=distance between floor and door leaf edge).



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.

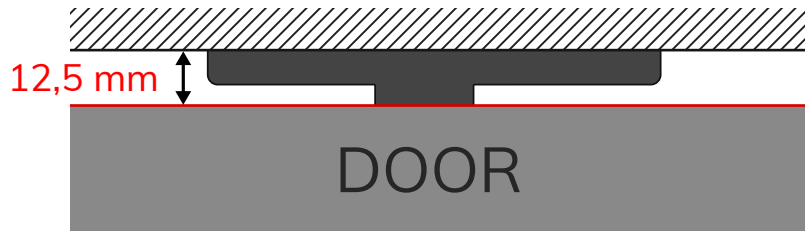
2. Use supplied shims between floor and hinge (= less stable).



StealthPivot and StealthPivot XL share identical installation steps (displayed = StealthPivot).

Adjust top hinge height

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

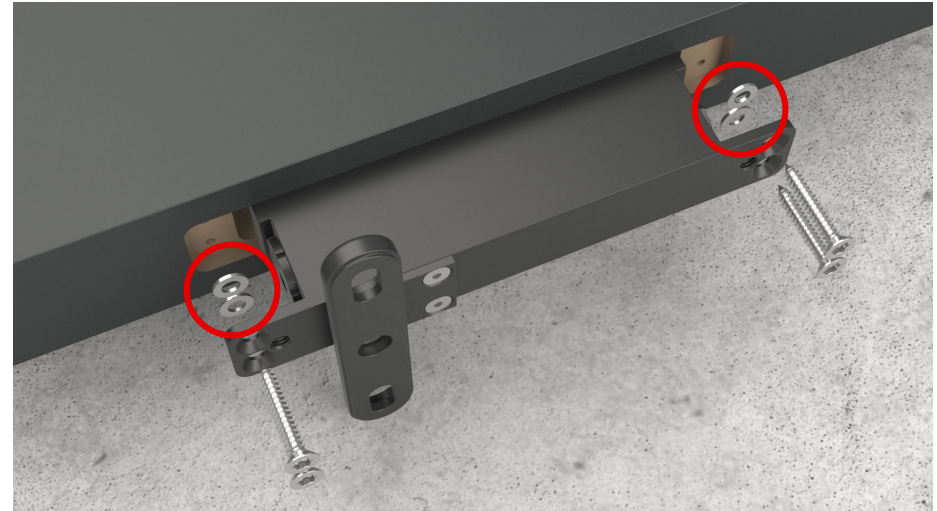


To increase the top joint, you have **3 options**:

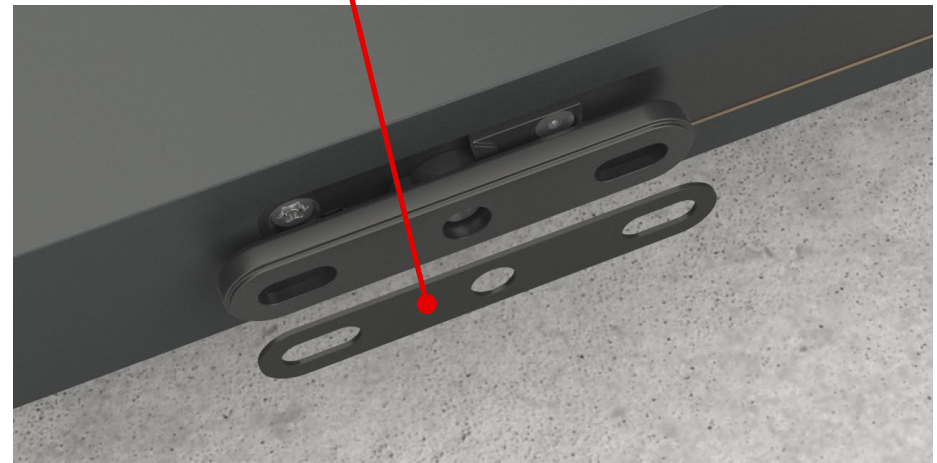
1. Adjust the inbus screws to move the hinge further away from the door leaf (loosen 4 screws first). (only possible for non compressable door structure)



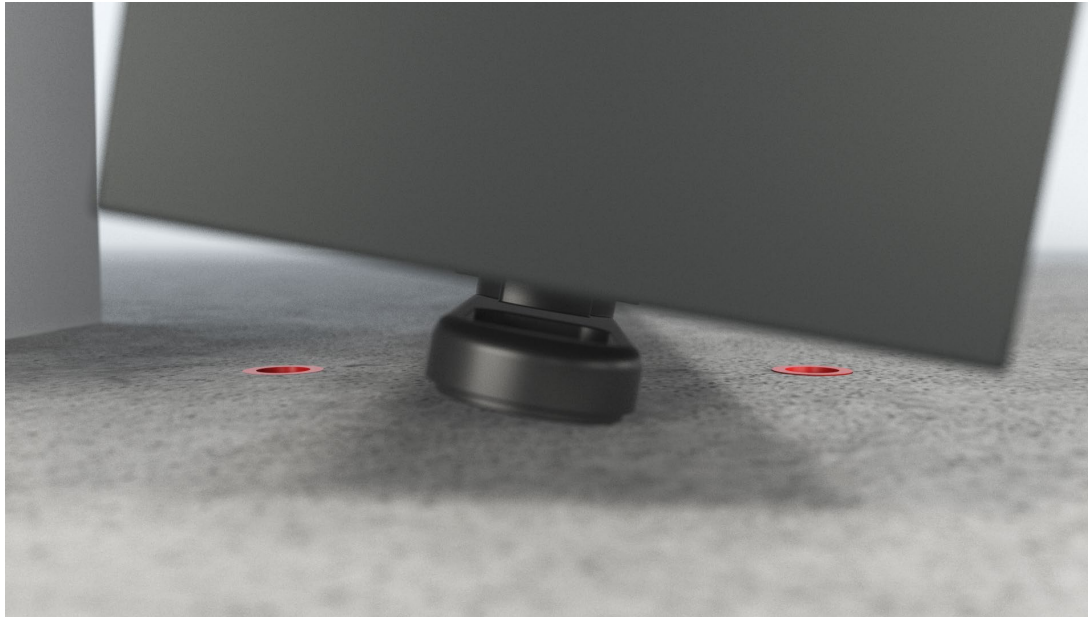
2. Use (supplied) shims between hinge and door leaf.



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



StealthPivot and StealthPivot XL share identical installation steps (displayed = StealthPivot).



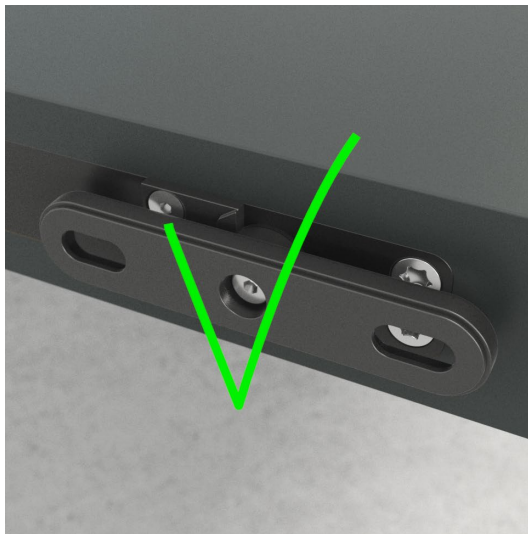
Door leaf installation

Place the door leaf in the doorway, with both pivots in their closed position.

Position the bottom pivot in between the 2 mounting holes at the axis position.

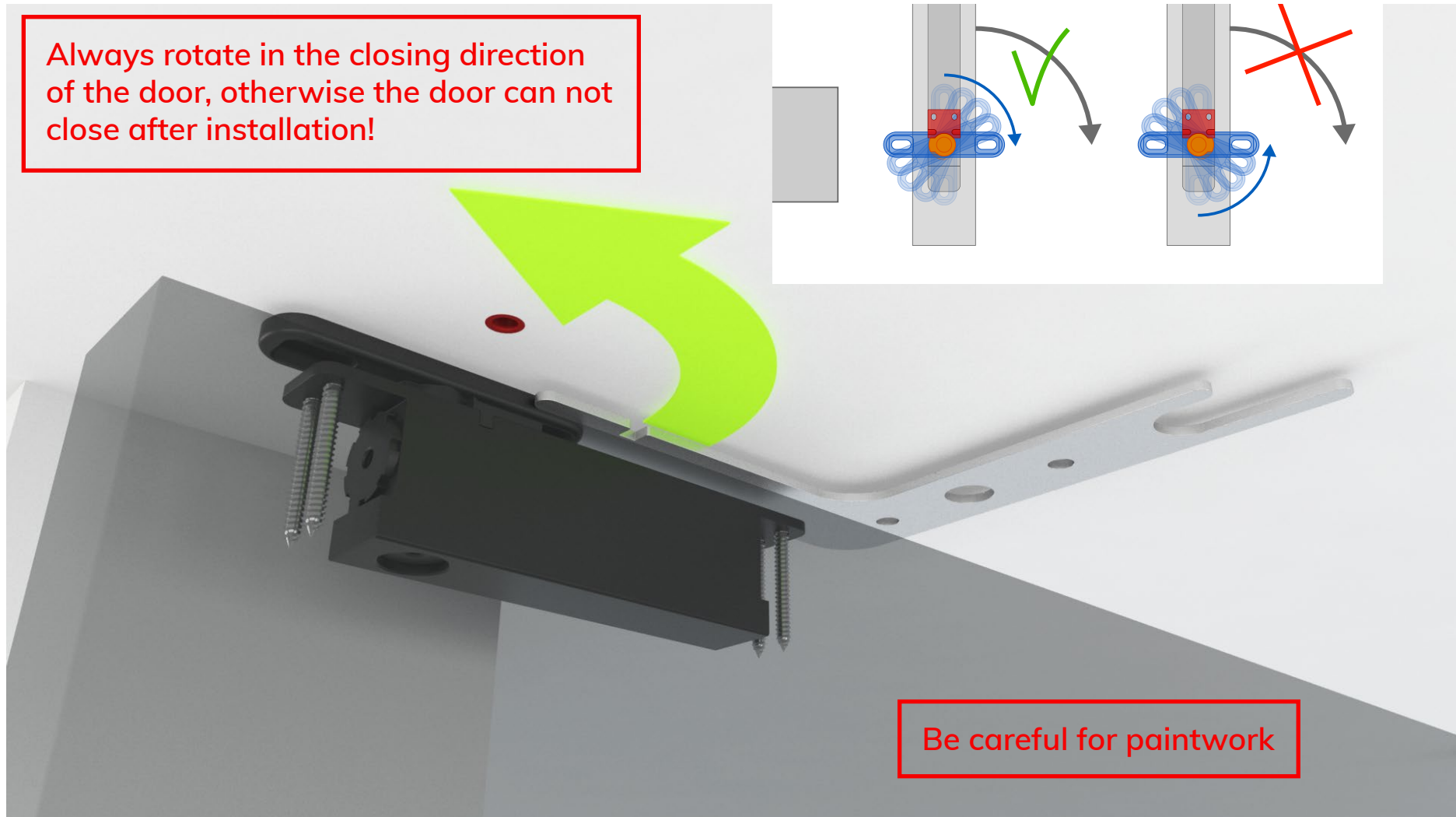
Next tilt the door leaf upright.

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

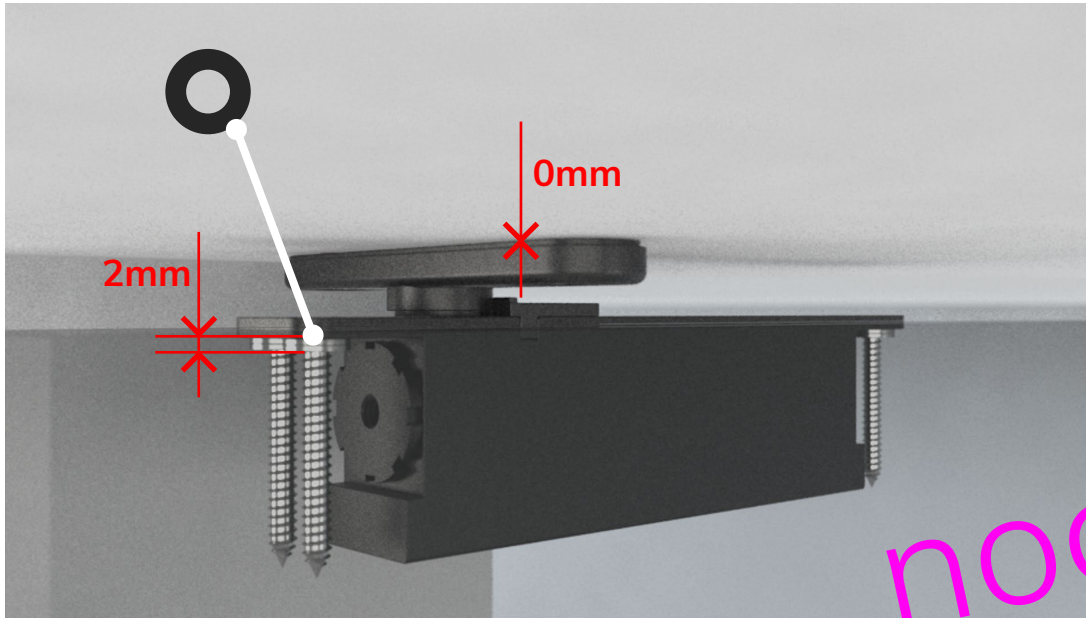


Use the drill tool to rotate the pivot mount in place. Repeat for the bottom pivot mount.

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



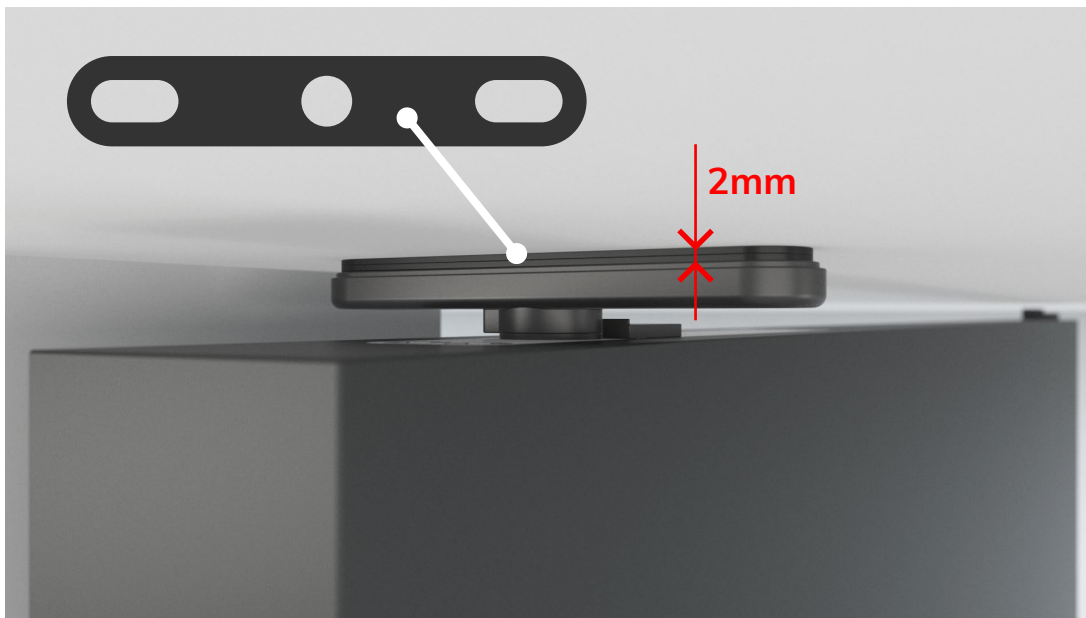
StealthPivot and StealthPivot XL share identical installation steps (displayed = StealthPivot).



We advise to adjust joint spacing by using metal shims under the pivot hinge (see page 8).

You need to remove the hinge from the door to insert these shims.

nog nodig?



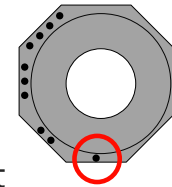
Or you can use the supplied plastic shims between the pivot mount and ceiling. (=faster solution but less stable)

TOP first!



Secure top pivot first!

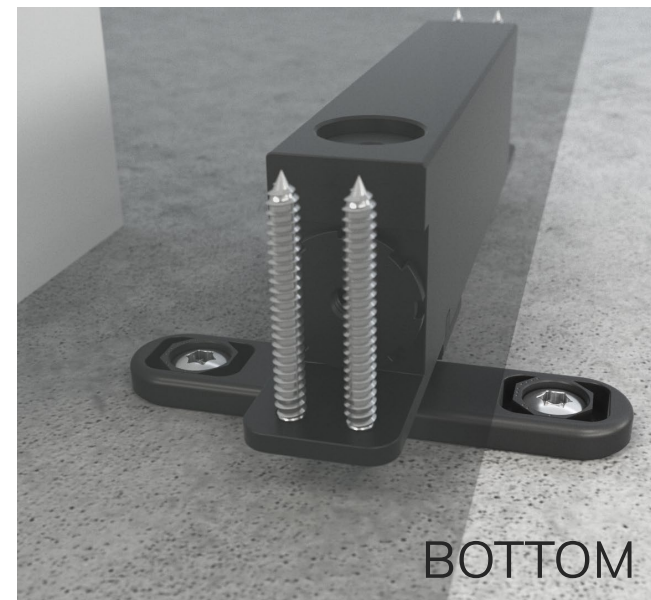
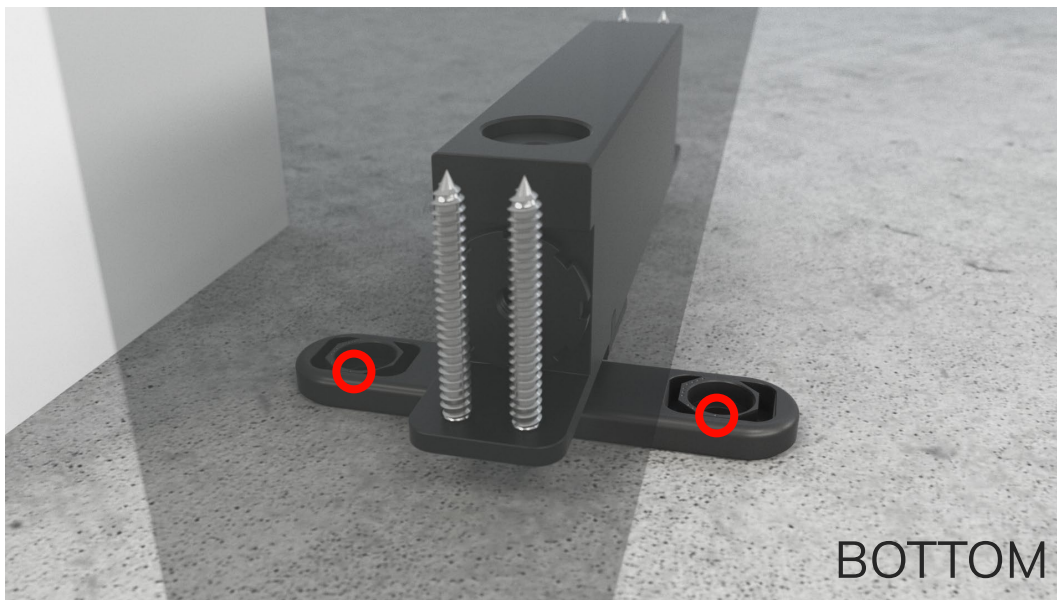
Install hexagonal insert at position 1, insert screw but do not tighten fully yet.

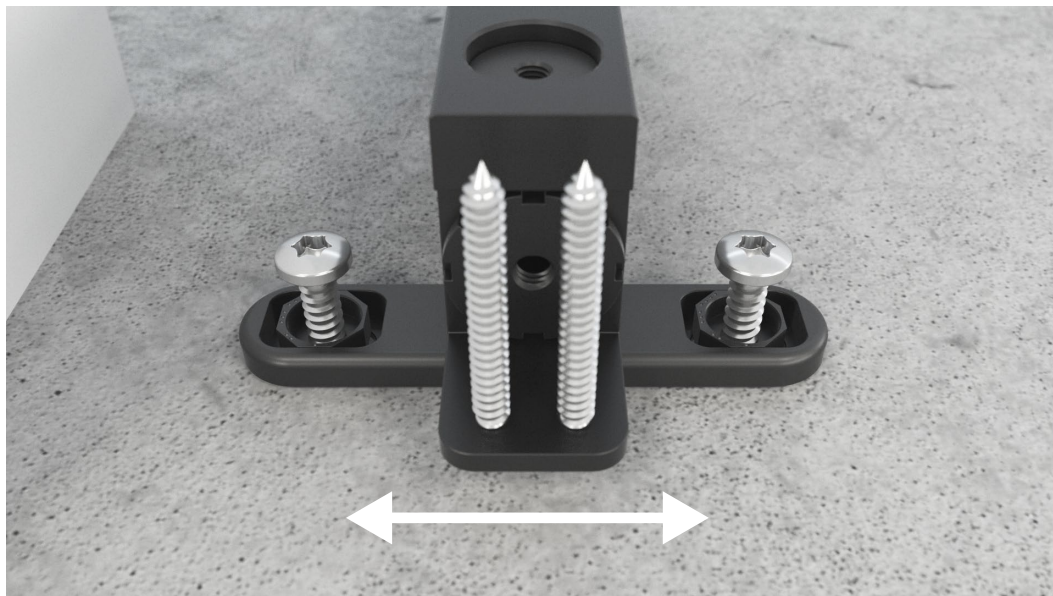


Repeat for second insert and screw.

Repeat former steps for bottom pivot.

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

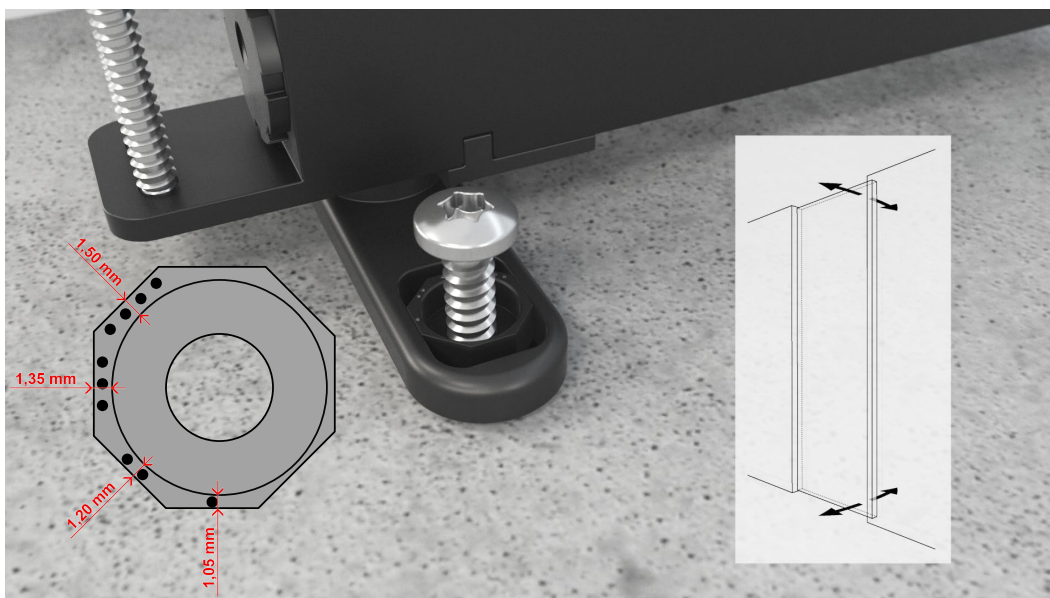




Final adjustments for joints and 0° positioning

To move the door leaf slightly left or right to adjust the joints, loosen the screws and adjust.

After adjustment, remember to tighten screws.



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

The optional magnets can also be used for 0° positioning.

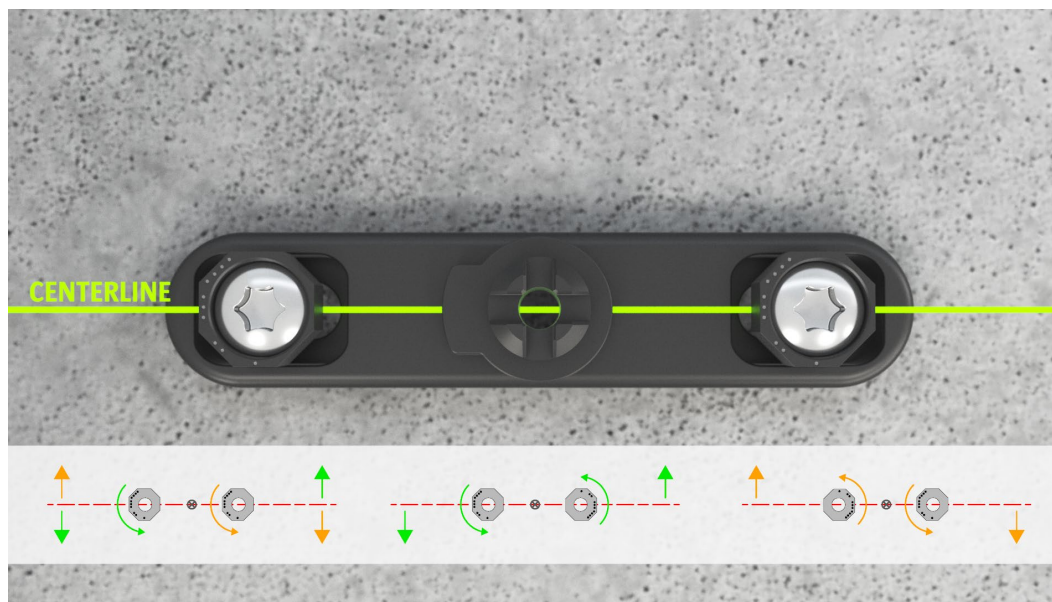
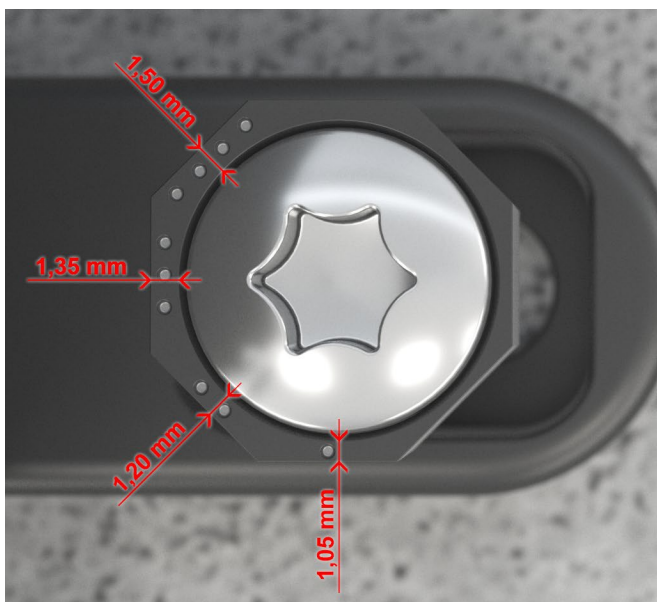
The magnets will ensure correct 0° positioning over a longer period of time.



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

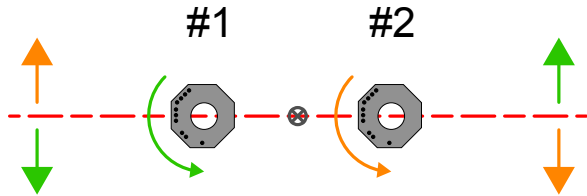
The inserts are excentric, so each position will affect the centerline angle of the door leaf.

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

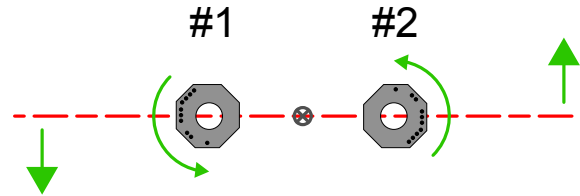


StealthPivot and StealthPivot XL share identical installation steps (displayed = StealthPivot).

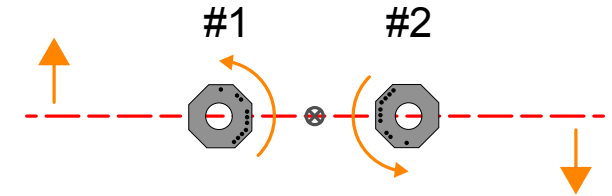
Correction angle diagram for 0° adjustment



#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

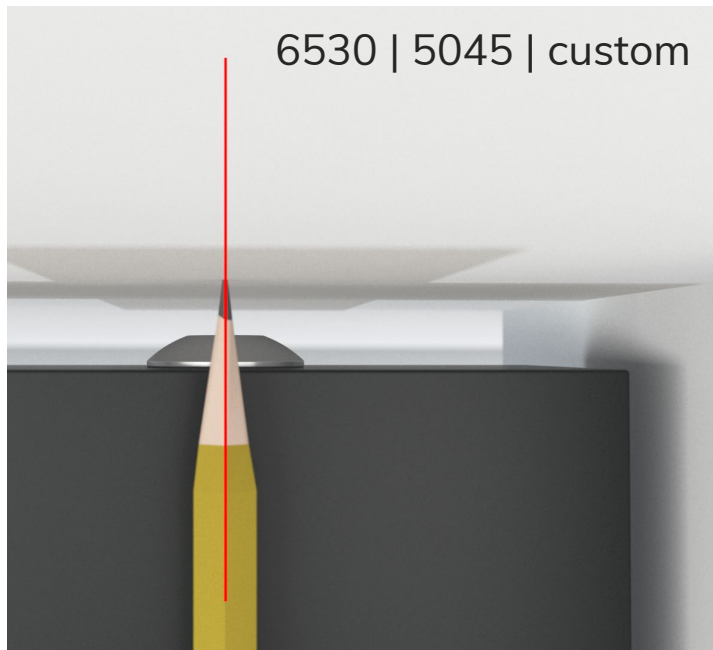


#1	#2	angle
1	1	0,00
1	2	-0,13
1	3	-0,25
1	4	-0,38
2	1	-0,13
2	2	-0,25
2	3	-0,38
2	4	-0,51
3	1	-0,25
3	2	-0,38
3	3	-0,50
3	4	-0,63
4	1	-0,38
4	2	-0,50
4	3	-0,63
4	4	-0,76



#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

Optional 0° positioning magnet on ceiling



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



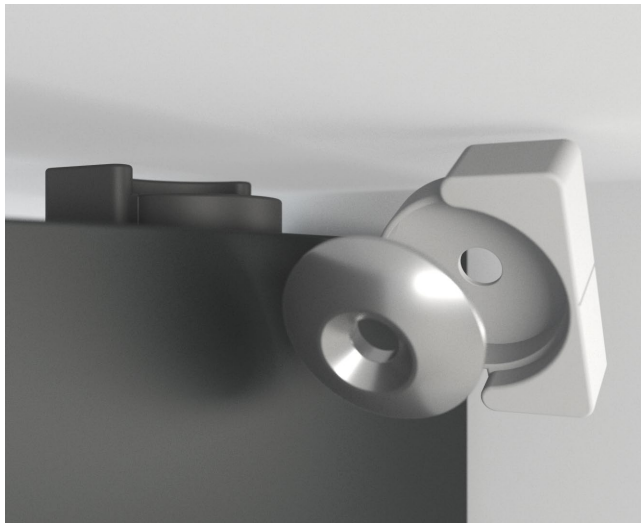
Drill the hole and install the magnet with Hilti plug and screw.



*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



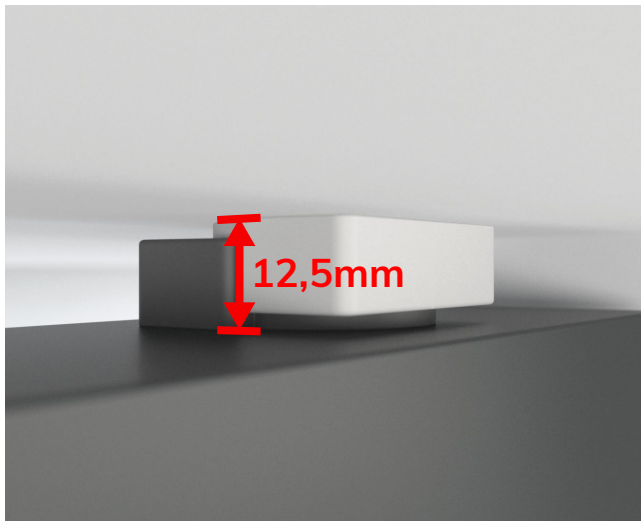
6530 | 5045 | custom



Glass doors

Remove the magnet out of the ceiling 1-way part.

Position the ceiling 1-way against the door leaf 1-way and hold it in place while opening the door.



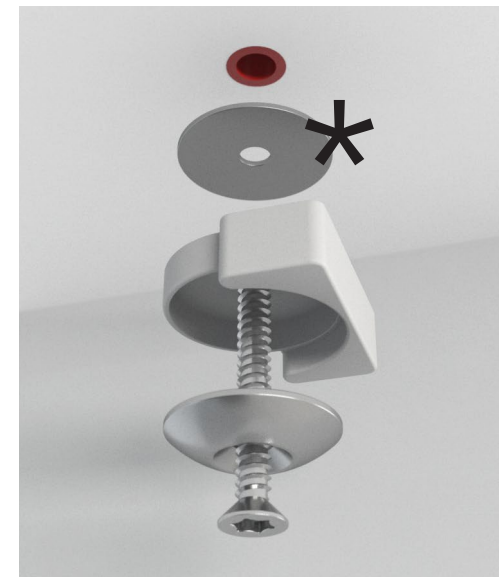


Mark the center of the 1-way.

Drill the hole and install the magnet and 1-way 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.



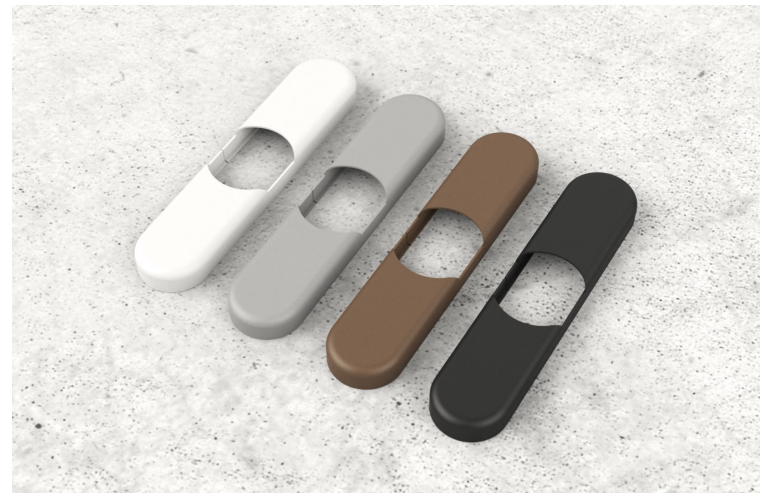


Minimize visible components

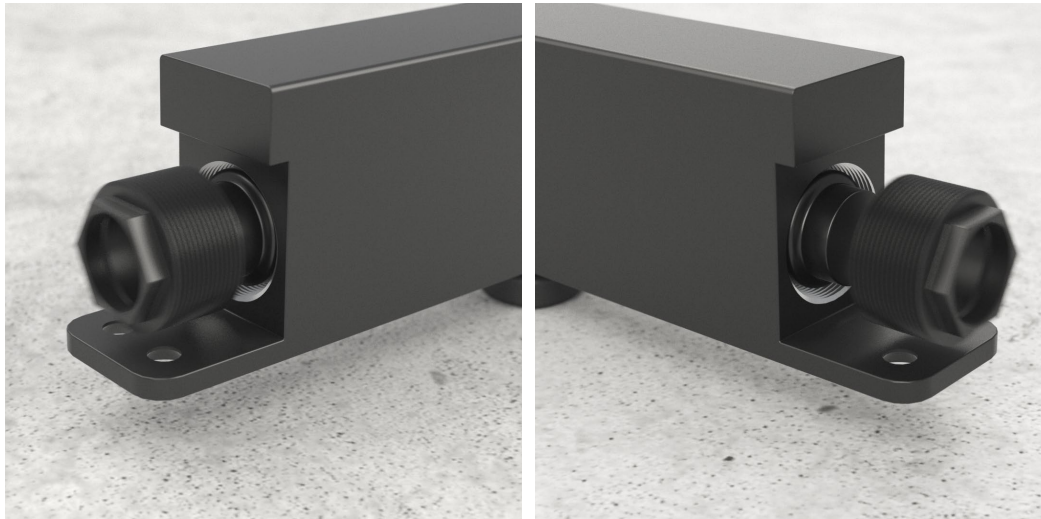
A supplied colored cover can be placed to hide the screws and to blend with your floor or ceiling.



Different colors are available at www.portapivot.com



StealthPivot and StealthPivot XL share identical installation steps (displayed = StealthPivot).



Adjustable closing force

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

Screw off both end caps, remove the gas springs and replace them.

Screw both caps back on.



StealthPivot XL set:

Default = 2x 400N

Optional* = 2x 300N or 2x 500N

StealthPivot Normal set:

Default = 2x 300N

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

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

Finished product examples



Custom door leaf

PortaPivot 6530

PortaPivot Glass

PortaPivot 5045