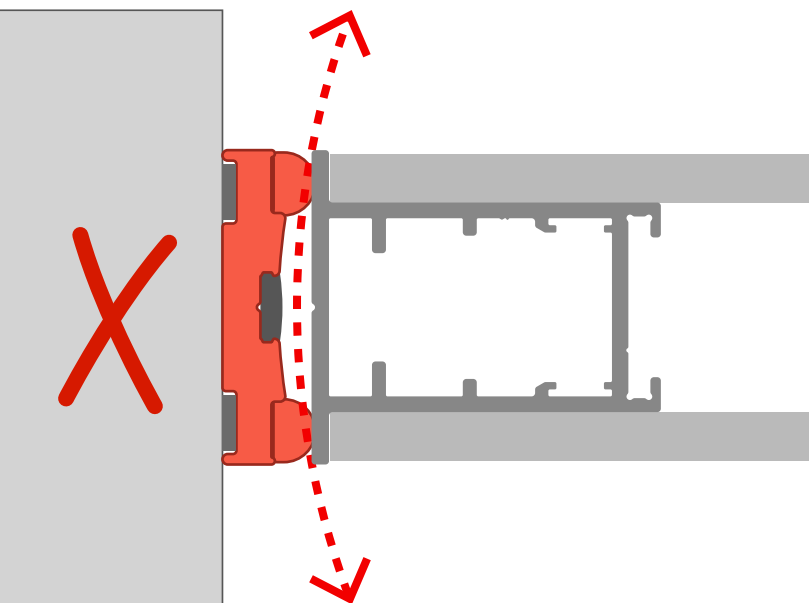


DOOR INSTALLATION MANUAL

Without vertical door jambs*

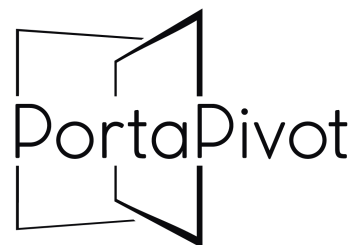
- Custom door leaf
- PortaPivot 6530
- PortaPivot 5045
- PortaPivot Glass

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



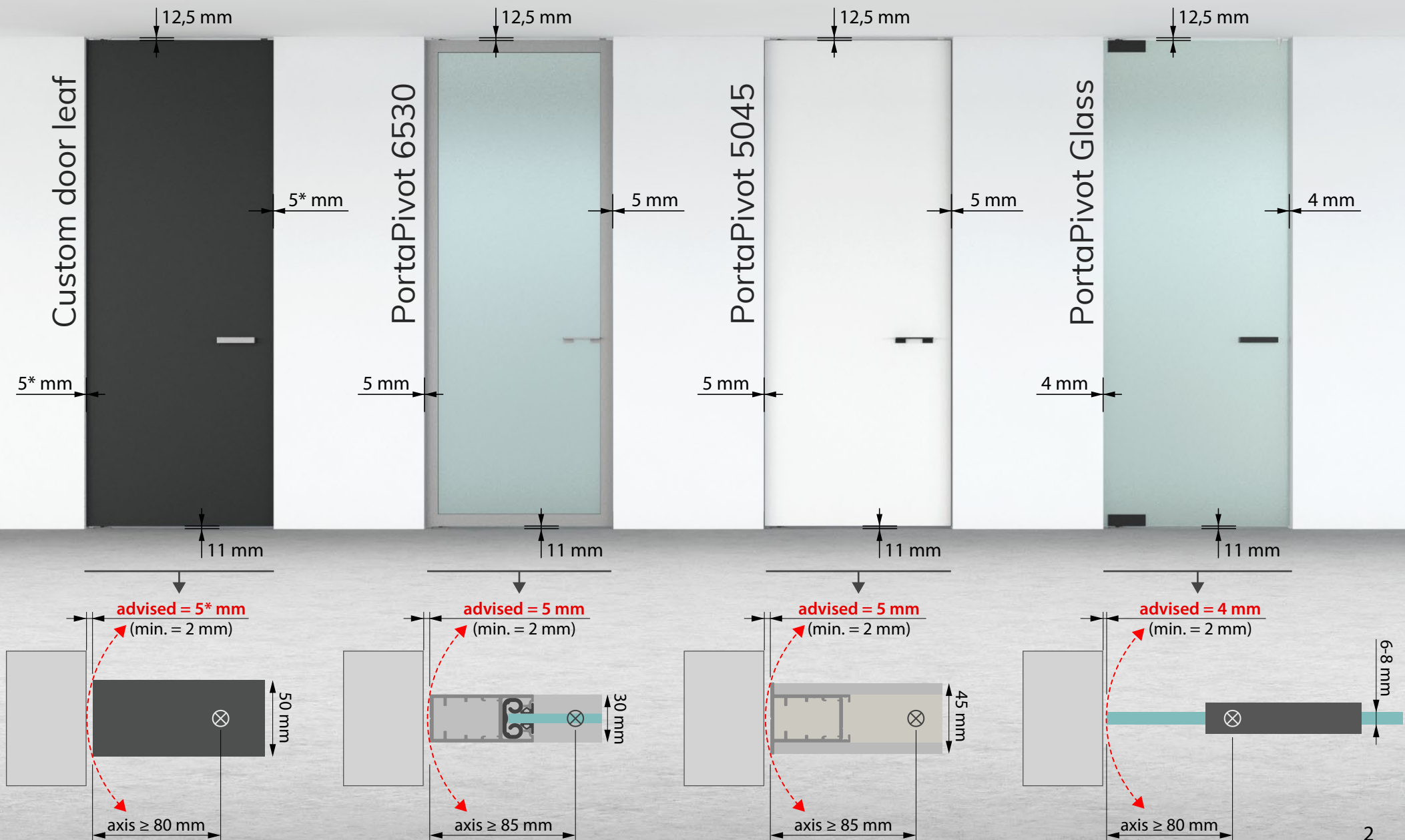
*When using vertical door jambs, please refer to 'door installation with vertical door jambs' manual.

Patented technology



STEALTHPIVOT
By PortaPivot

Advised joint dimensions - **without** vertical door jambs



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

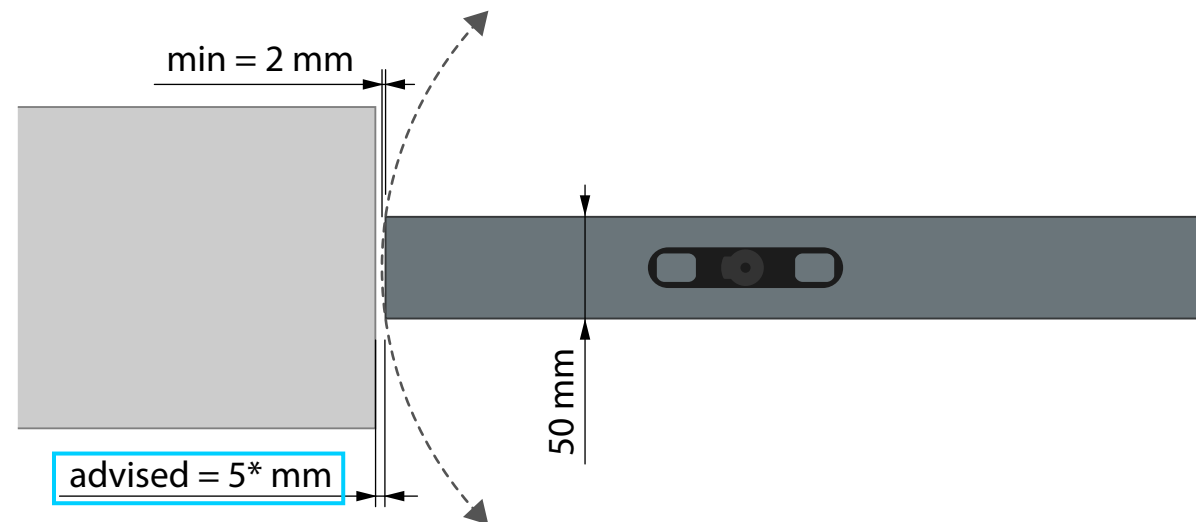
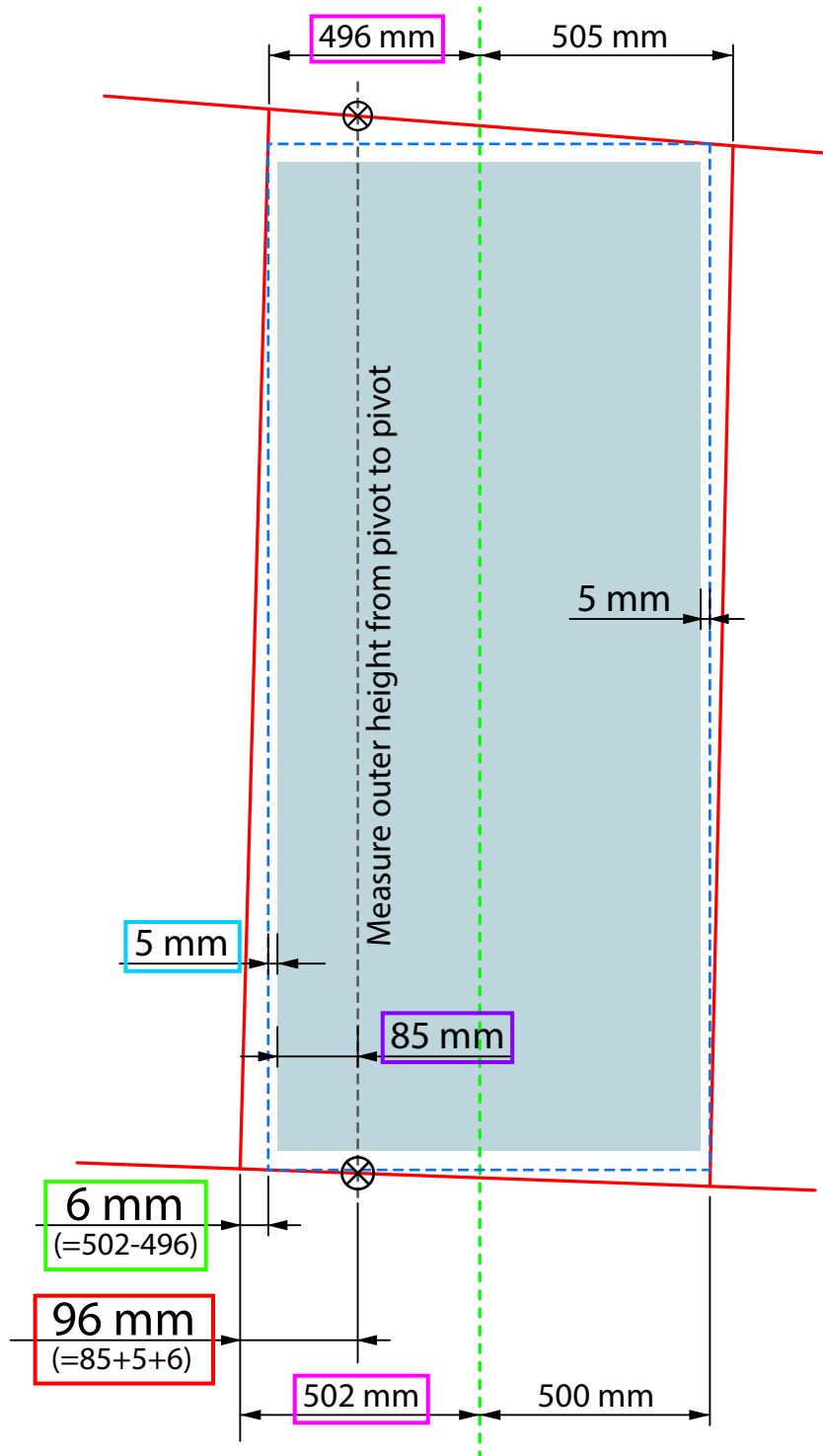
Define pivot axis

In this example, the pivot axis is placed at **85 mm** from the door leaf edge.

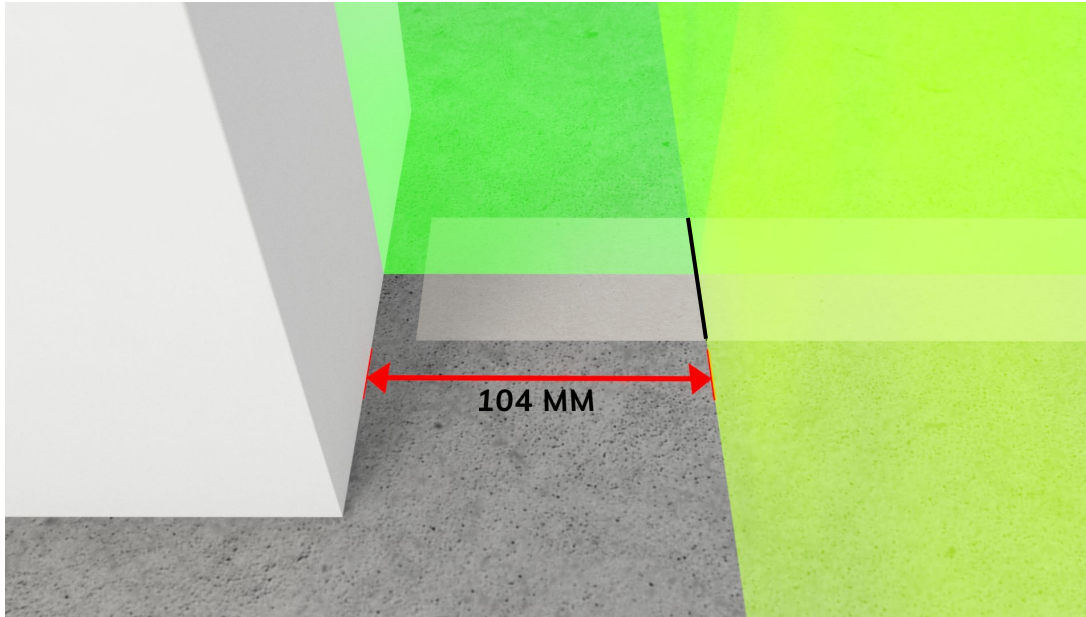
The bottom left side of the doorway is **6 mm** wider than the top left: $502 - 496 = 6 \text{ mm}$

- ⊗ To mark the pivot axis point on the floor, add the **5 mm** joint and **6 mm** slanting to the **85 mm** pivot axis location:

$$85 + 5 + 6 = 96 \text{ mm}$$



*See page 2 for detailed information

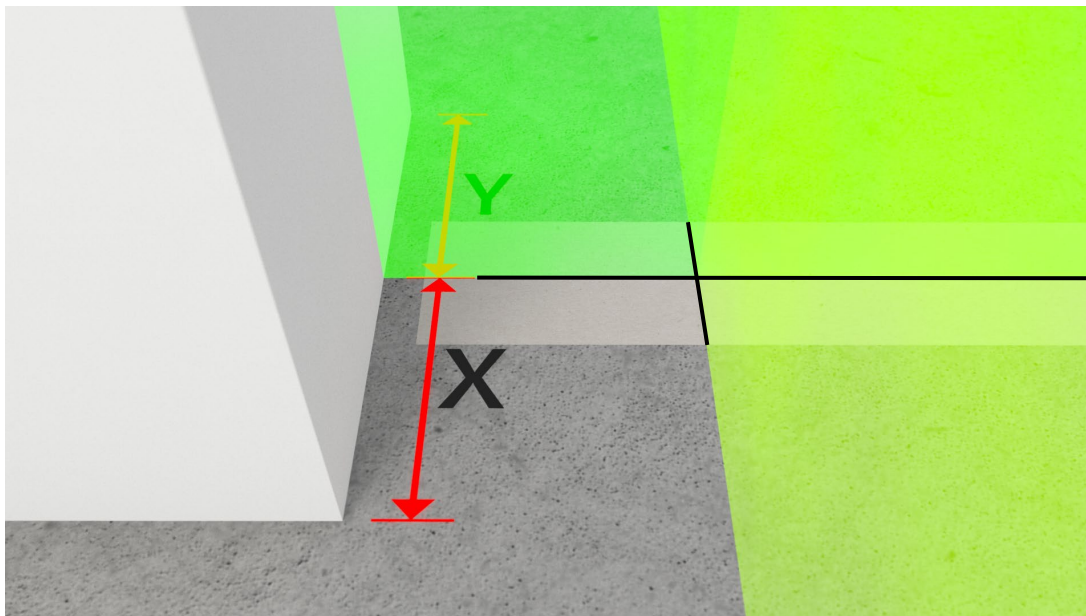


Mark pivot axis

Apply masking tape on the floor.

Measure and mark the 91 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.



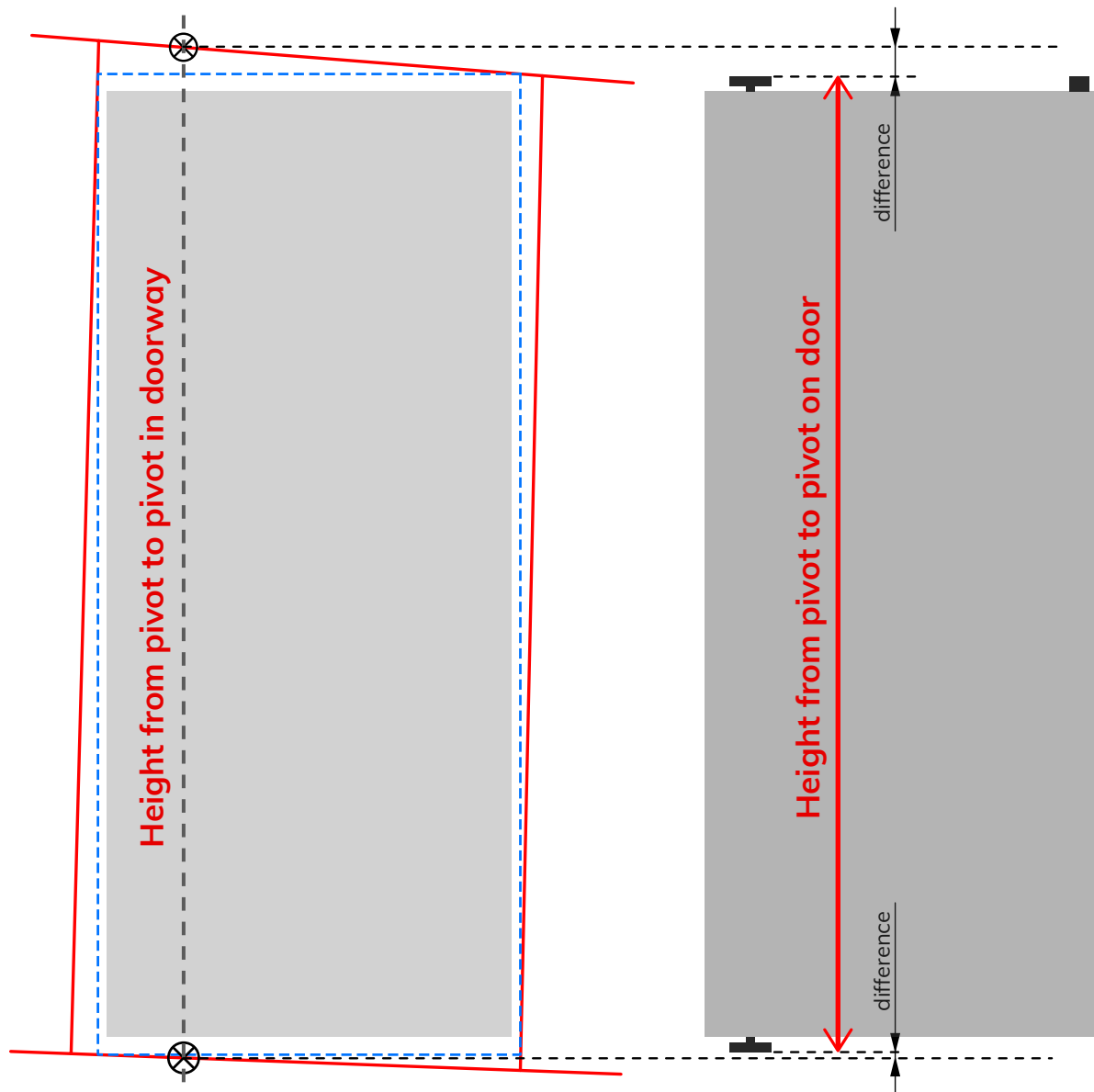
Depending on subsurface, different plugs may be required.





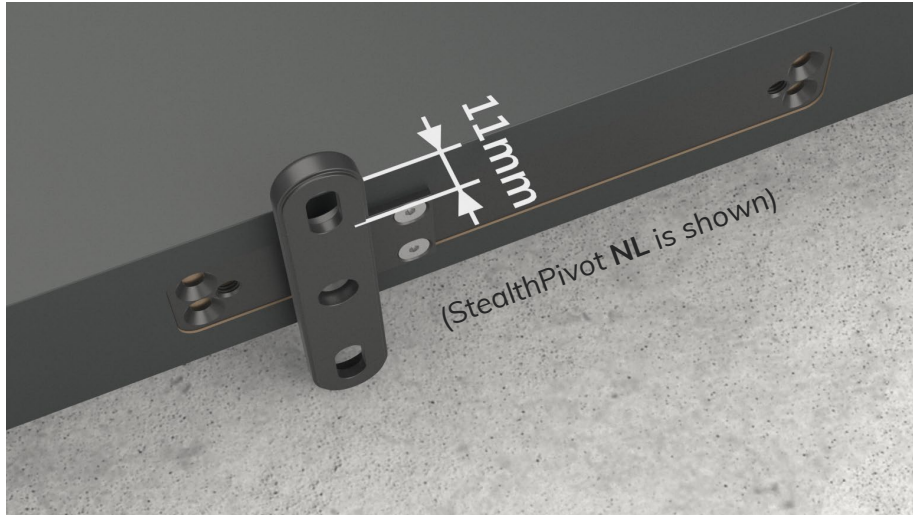
Use a laser to project and mark both holes to the ceiling. Drill holes and insert Hilti plugs.

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

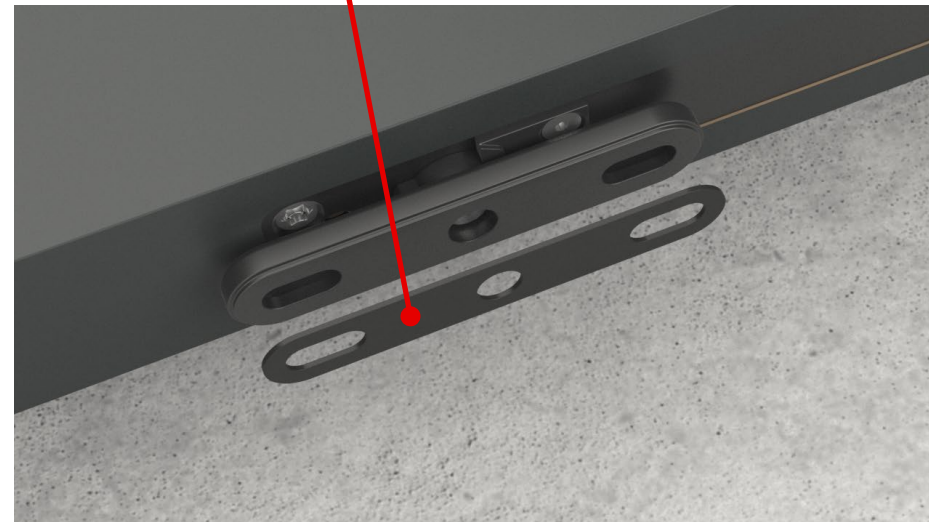
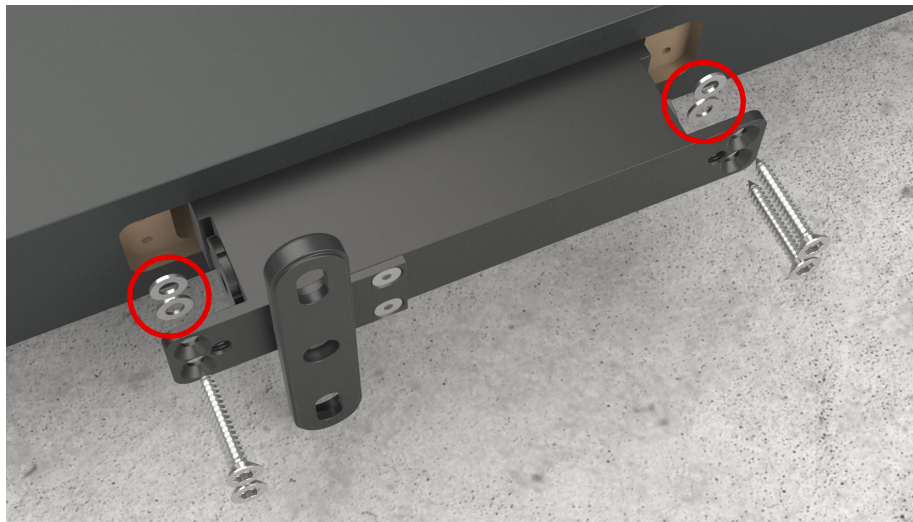
The default bottom joint dimension is 11 mm
(=distance between floor and door leaf edge).



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.

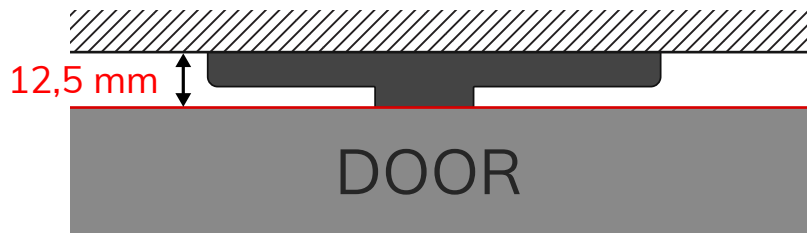
2. Use supplied shims between floor and hinge
(= less stable).



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



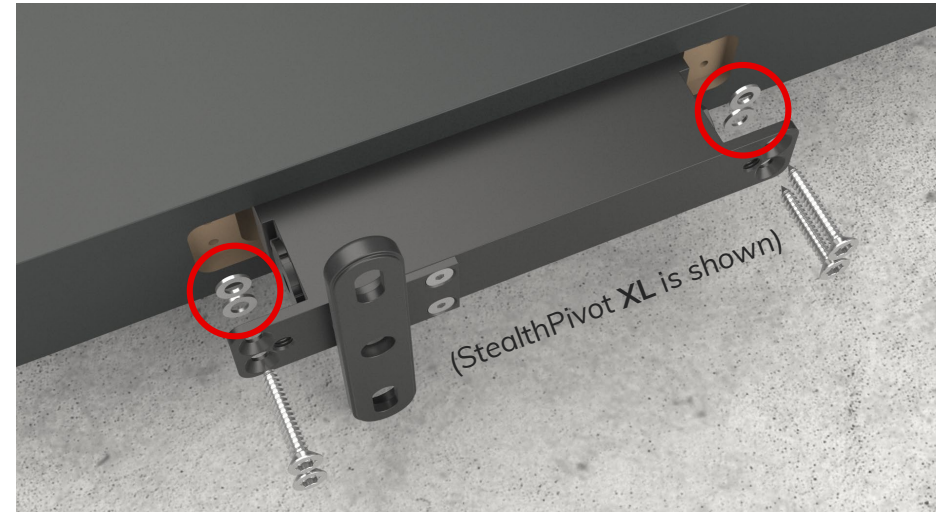
To increase the top joint, you have **3 options**:

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)

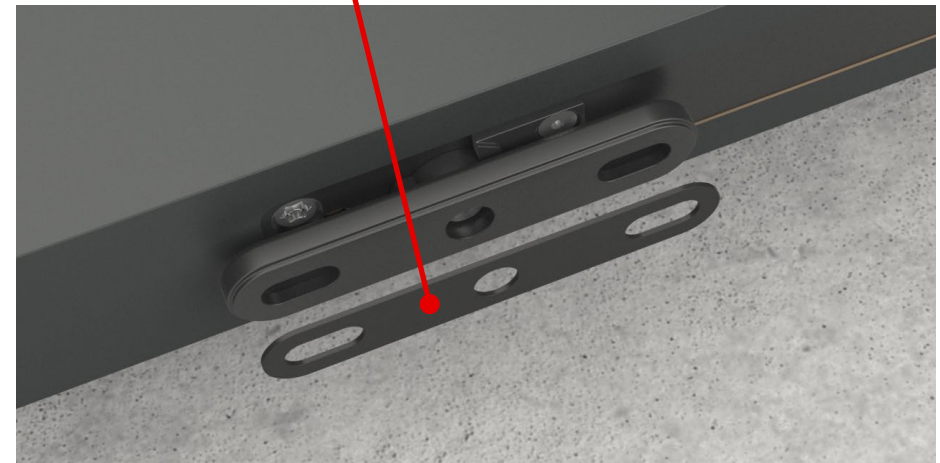


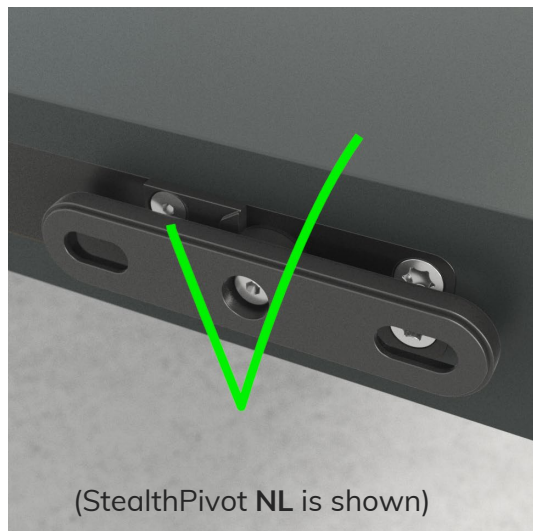
StealthPivot **NL** and StealthPivot **XL** share identical installation steps

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



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





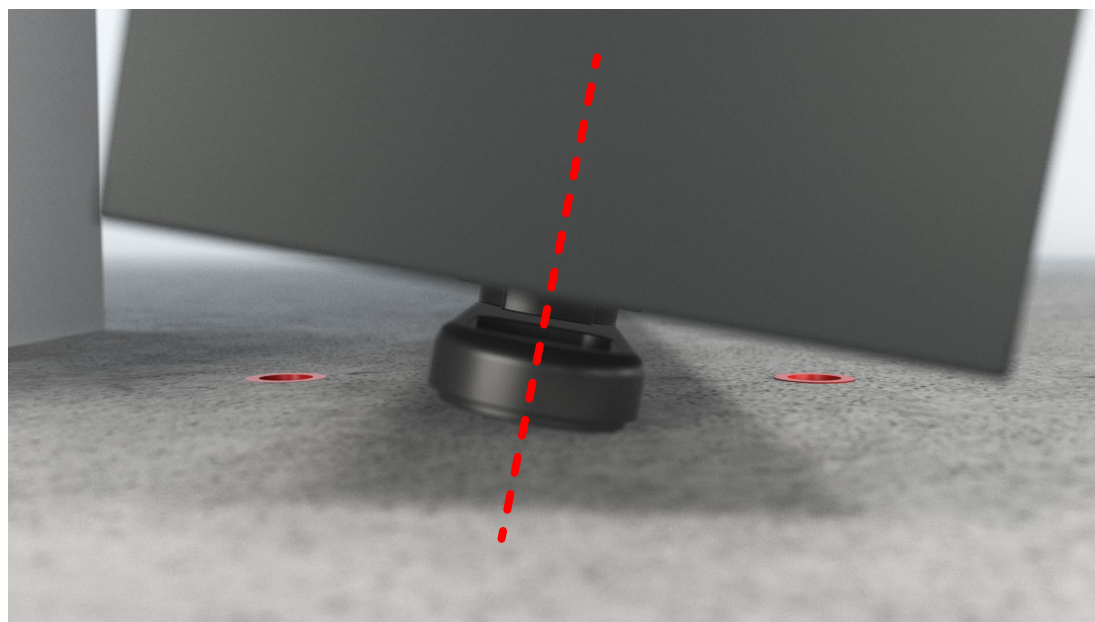
(StealthPivot **NL** is shown)



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!



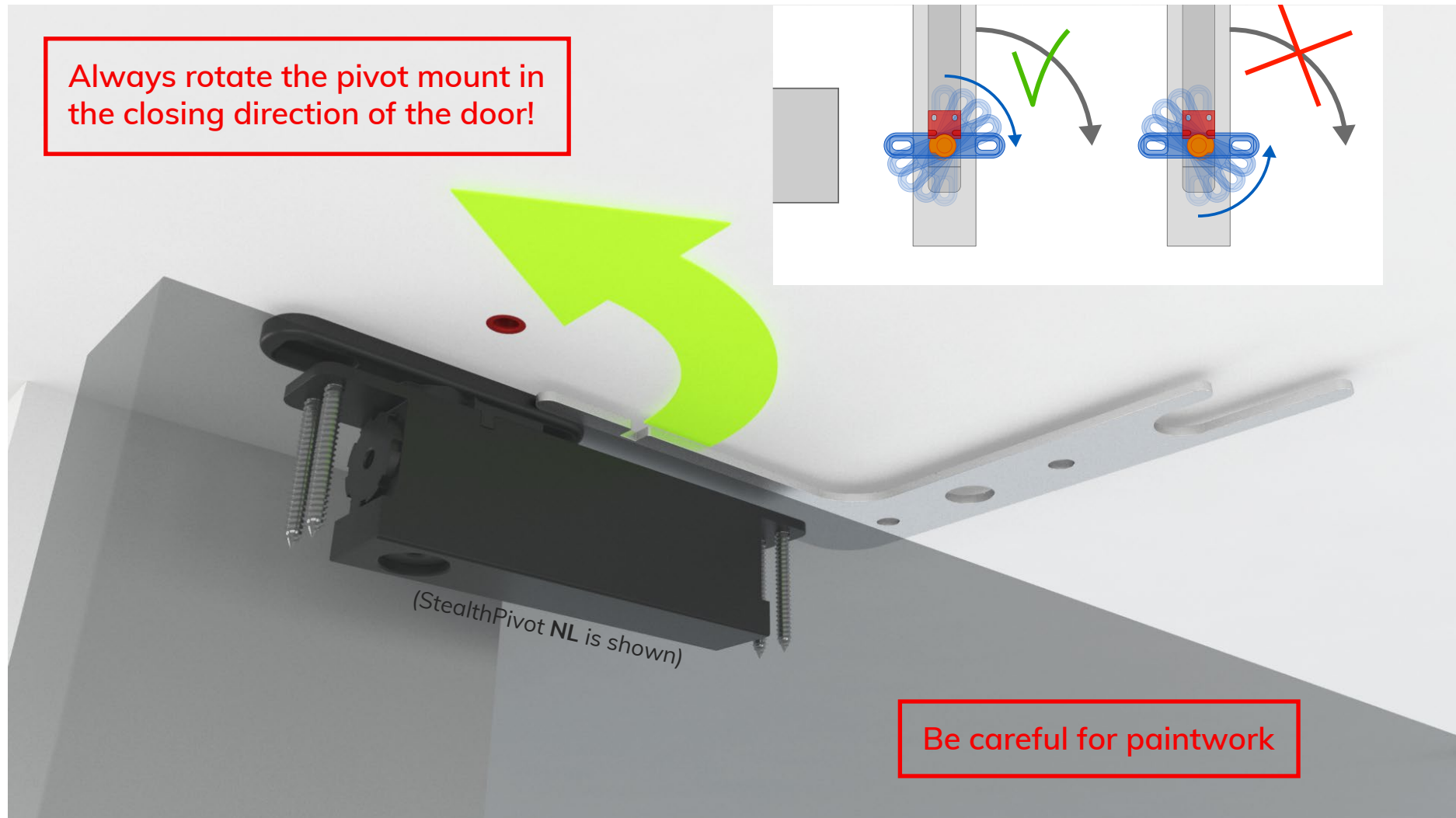
Place the door leaf in the doorway, and position the bottom pivot in between the 2 mounting holes at the axis position.



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!

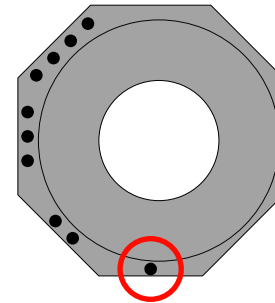


TOP first!



Secure top pivot first!

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



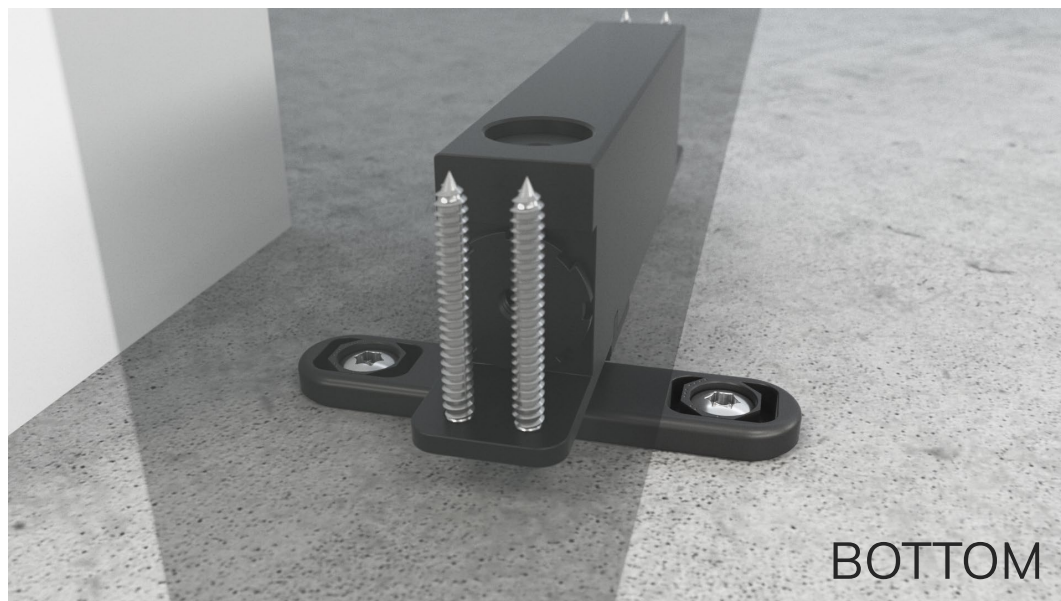
Repeat for second insert and screw.



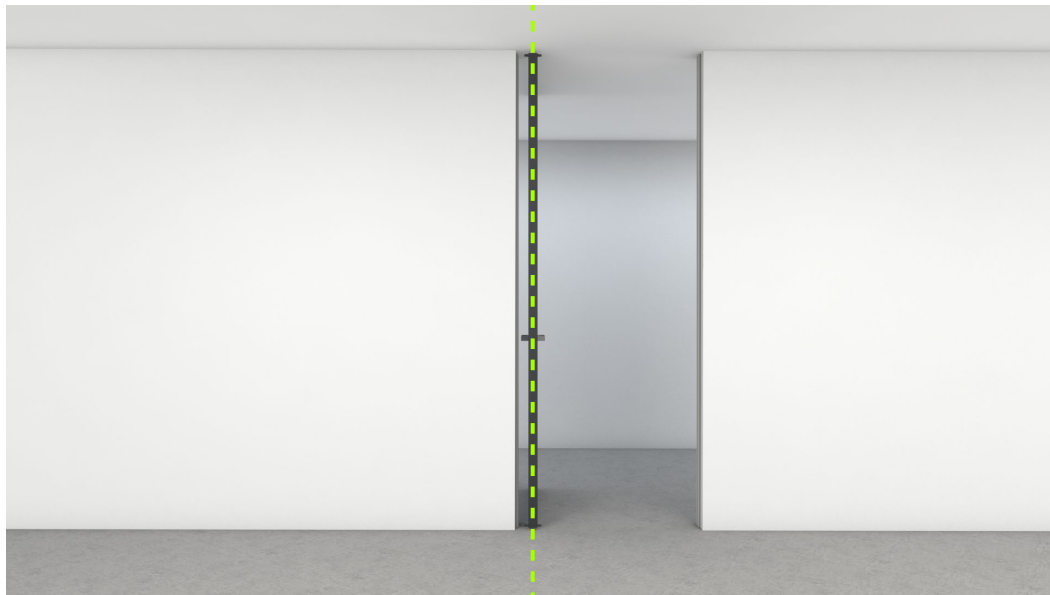


Repeat former steps for bottom pivot.

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

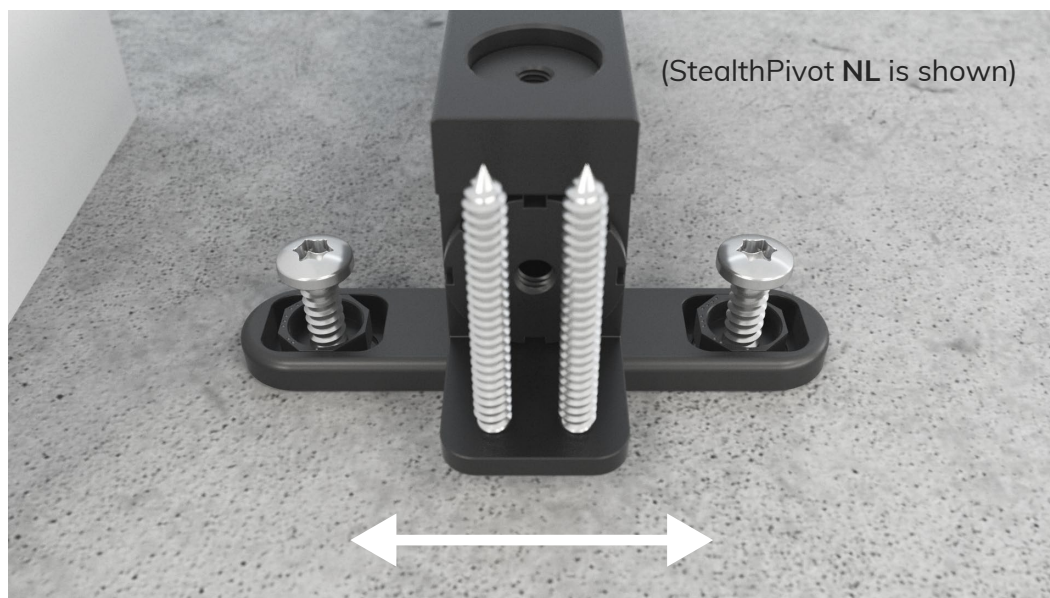


StealthPivot **NL** and StealthPivot **XL** share identical installation steps



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.

This can also be used to move the door leaf slightly left or right or to adjust the joints.

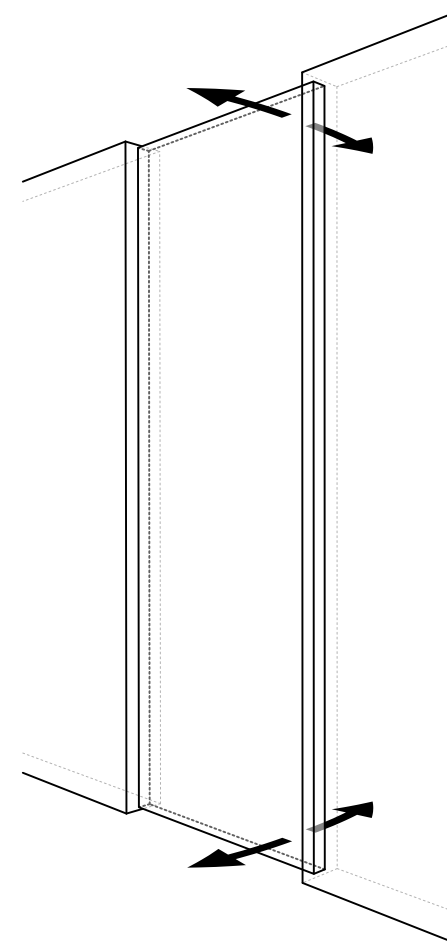
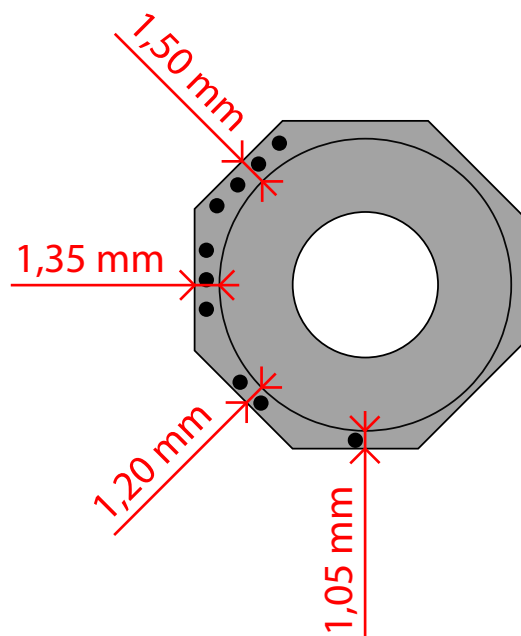
After adjustment, remember to tighten screws.



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 19-21.

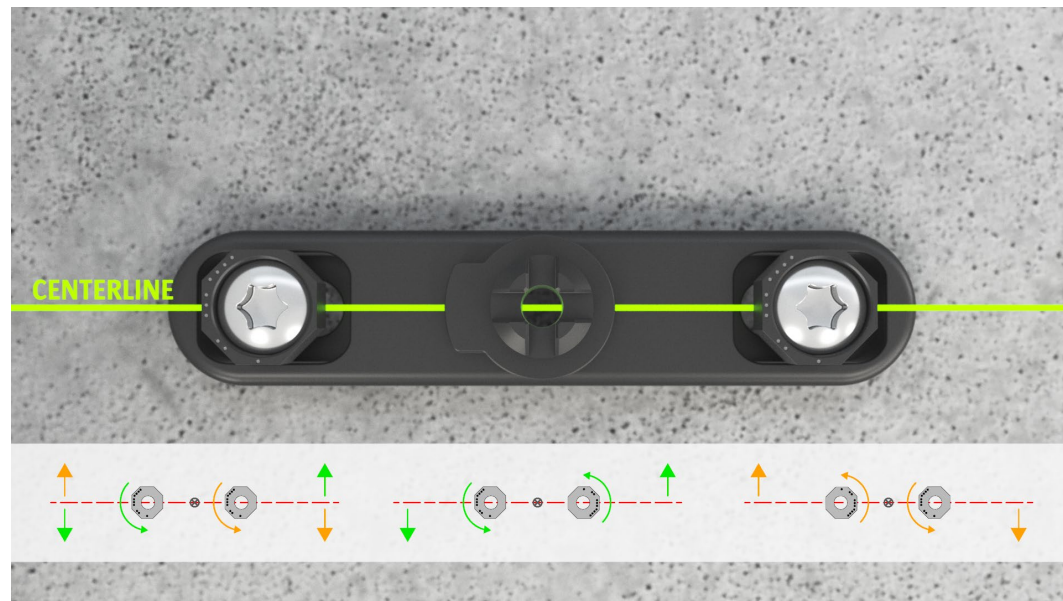
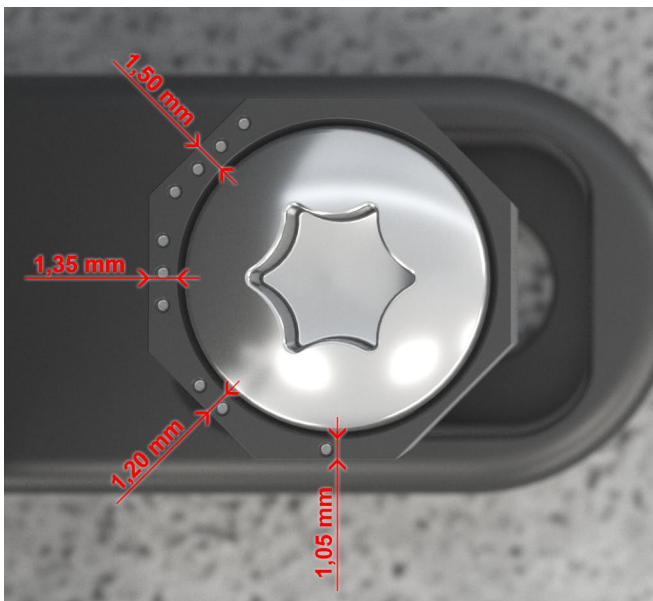




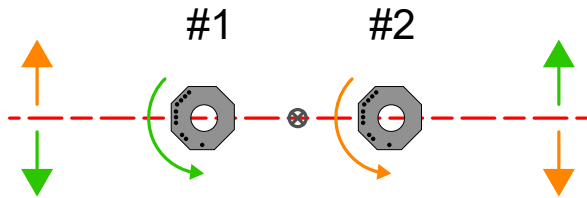
Loosen the screws, and use pliers to lift the insert out of the pivot foot.

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

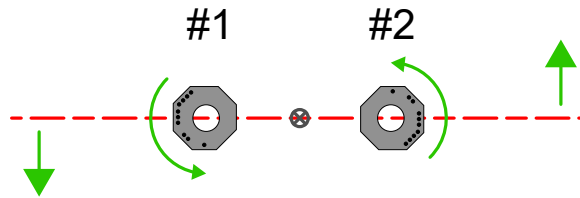
The view below shows the effect on the centerline angle when rotating the inserts to different positions.



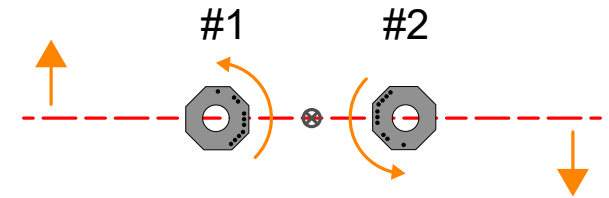
Correction angle diagram for 0° adjustment



#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

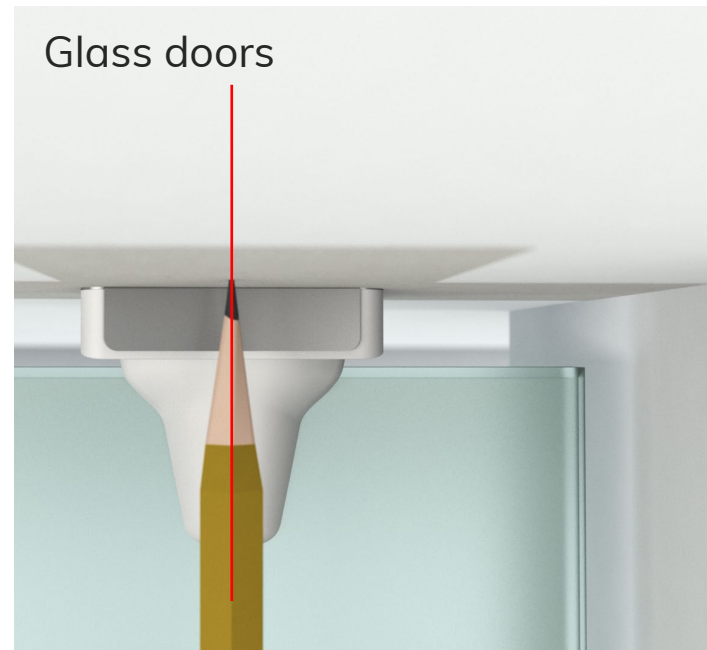
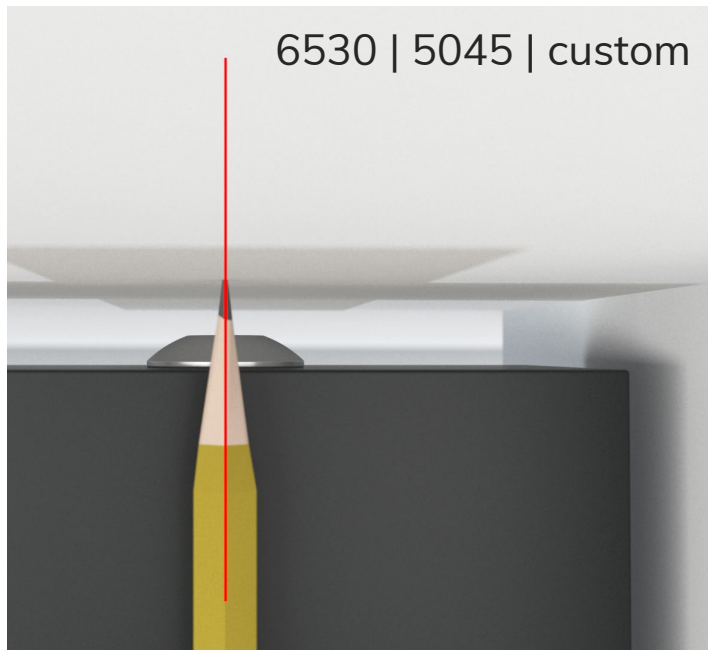


#1	#2	angle
1	1	0,00
1	2	-0,13
1	3	-0,25
1	4	-0,38
2	1	-0,13
2	2	-0,25
2	3	-0,38
2	4	-0,51
3	1	-0,25
3	2	-0,38
3	3	-0,50
3	4	-0,63
4	1	-0,38
4	2	-0,50
4	3	-0,63
4	4	-0,76



#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

Optional 0° positioning magnet on ceiling



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



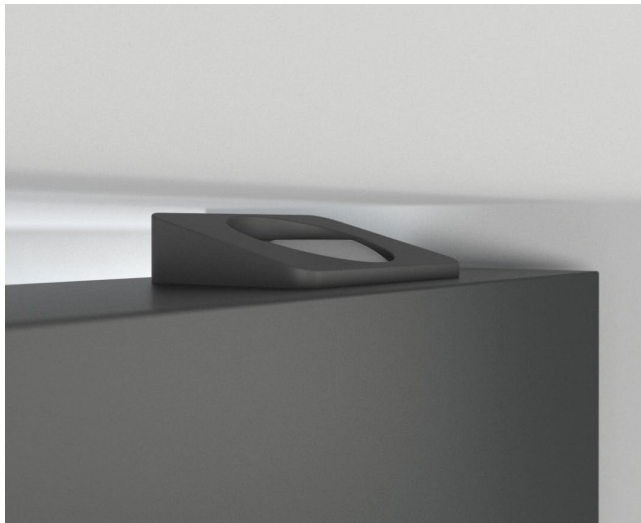
Drill the hole and install the magnet with Hilti plug and screw.



*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

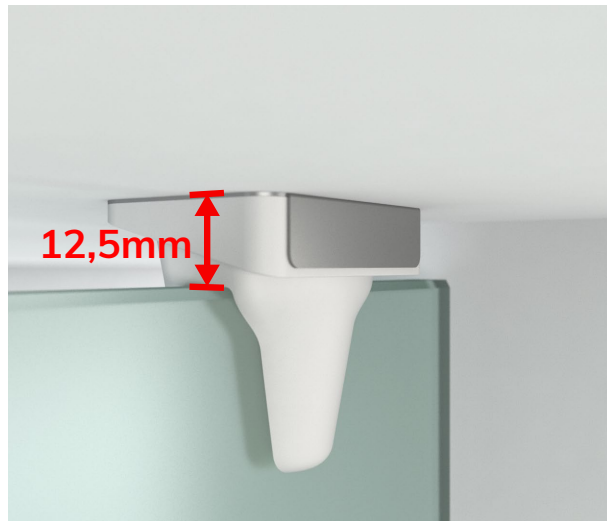
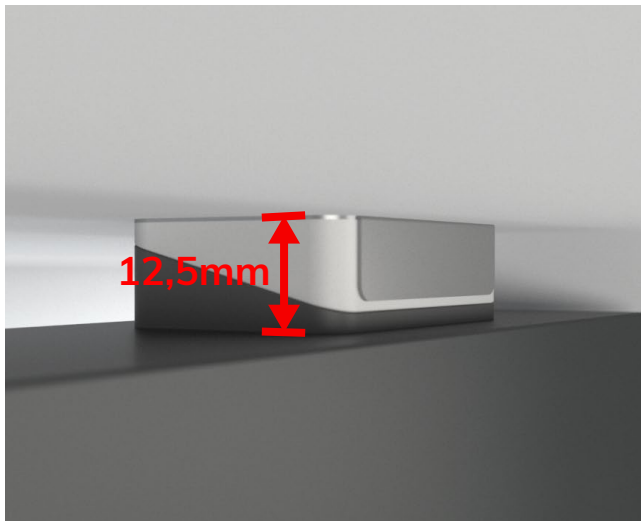


6530 | 5045 | custom

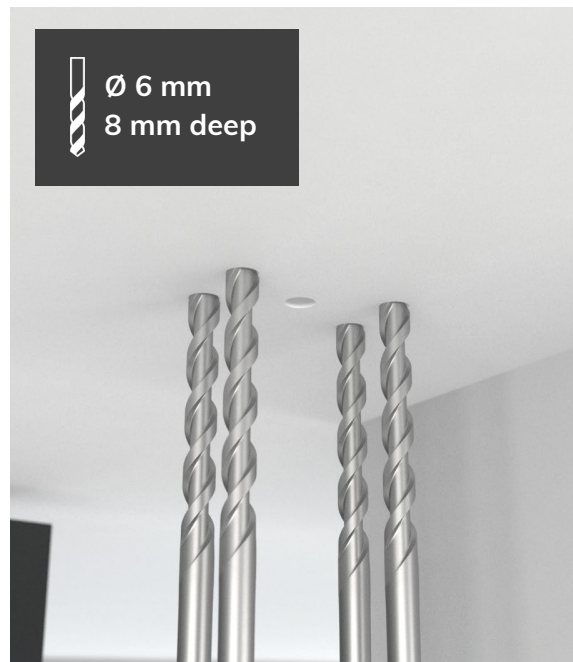


Glass doors

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

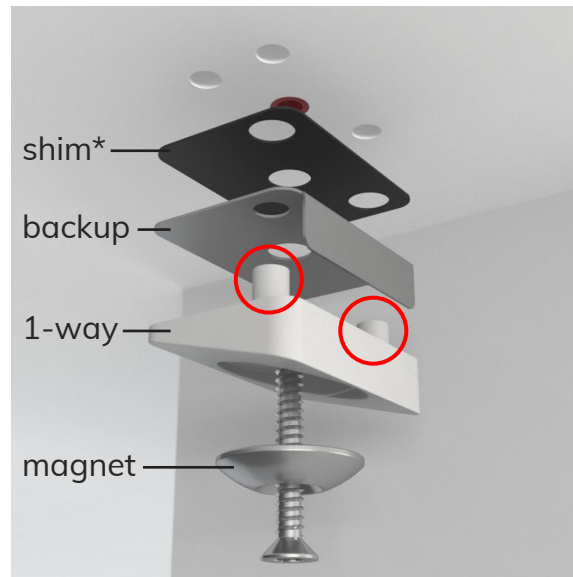
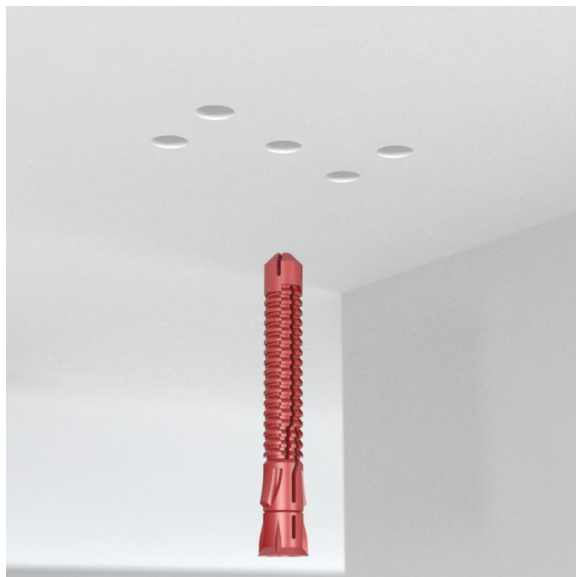
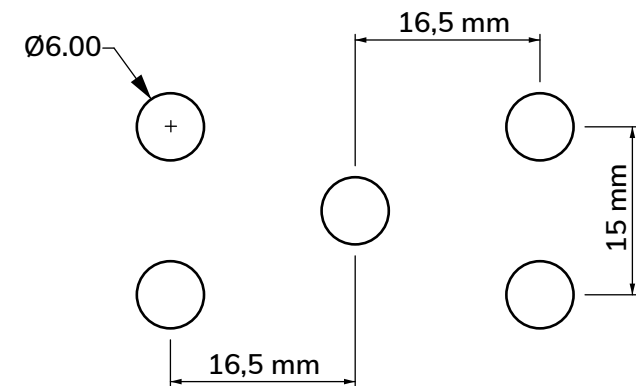


12,5 mm clearance is necessary to fit the 1-way.



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.

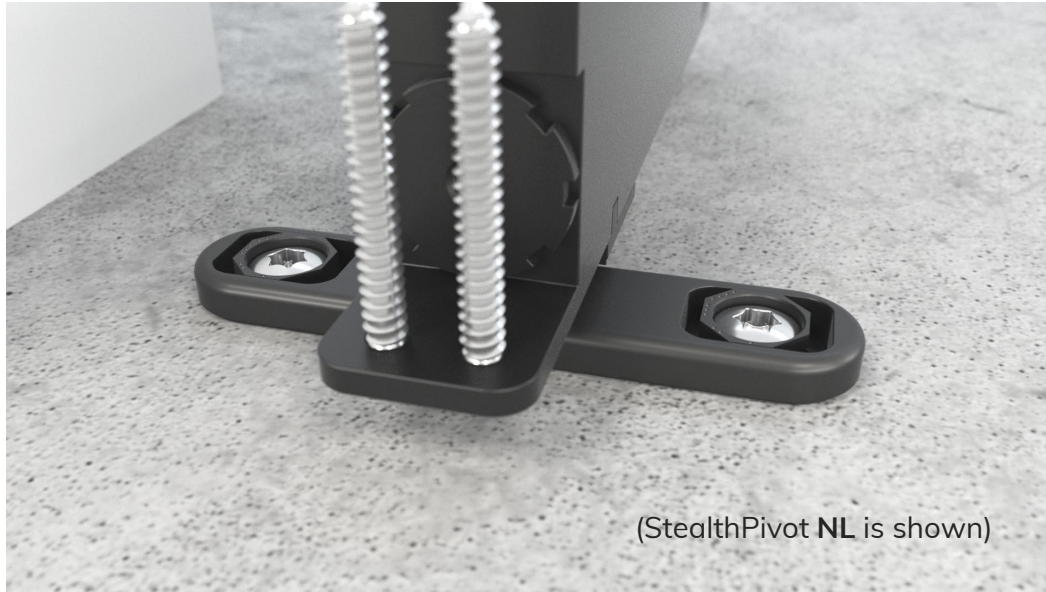
Install the magnet, 1-way and backup plate with a screw.

*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!)

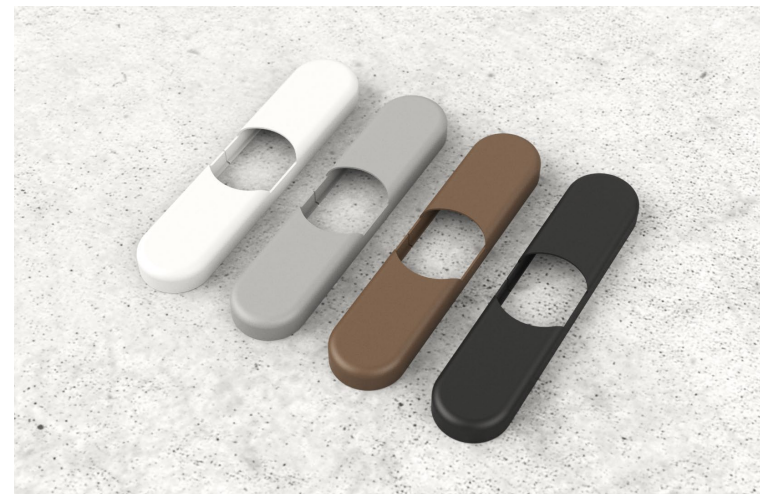


Minimize visible components

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 Glass

PortaPivot 5045