



**The following parts are required:**

- Electric drill with 5 mm and 8 mm SDS
- Various HSS-drills 3,5 mm, 4,2 mm, 6,5 mm
- Cordless screwdriver with bits TX 15, 20, 25, 30 mm PH2 cross
- Various allen keys
- Water level at least 1 m or laser
- Small wooden wedges
- Various Philips-HP screwdrivers
- Several wooden blocks height 15 cm
- Several glass blocks 5 mm
- Hammer, rubber hammer
- Pop rivet gun
- Standard tools
- At least 2 scissor jacks
- Chop and fermentation saw with blade for aluminum
- Hand-held circular saw if required with blade for plastic and non-ferrous metals

**Short cuts for parts:**

- SPL - Left side section
- SSL - left part for side wall
- SPM - Middle section
- SPR - Right side section
- SSR - right part for side wall
- TW - Partition
- SWF - End wall with leg
- SCHW - Privacy screen
- TUL - Left door
- TUR - Right door

# INSTALLATION INSTRUCTION

## 13 RS



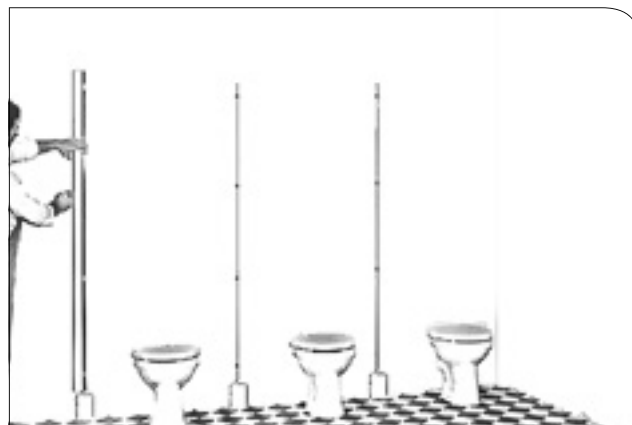
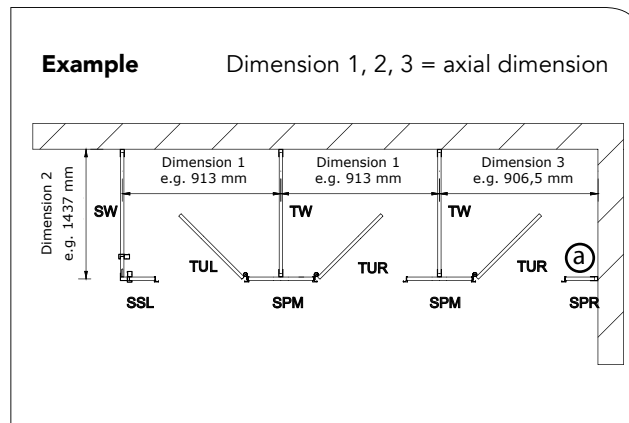
## Marking of the wall connections (U profiles)

The cabin axis dimensions (dimension 1) can be taken from your drawing if necessary. If no dimensions are specified, the width of the system is divided into equal parts. These axial dimensions are marked by a vertical line. The U-profile is placed on a wooden block, which has the height of the ground clearance. Now mark the drill holes. (see photo)

For the axial dimension of the wall connection "a", 27 mm must be added to the partition depth. Draw a vertical line with a spirit level and mark the holes.

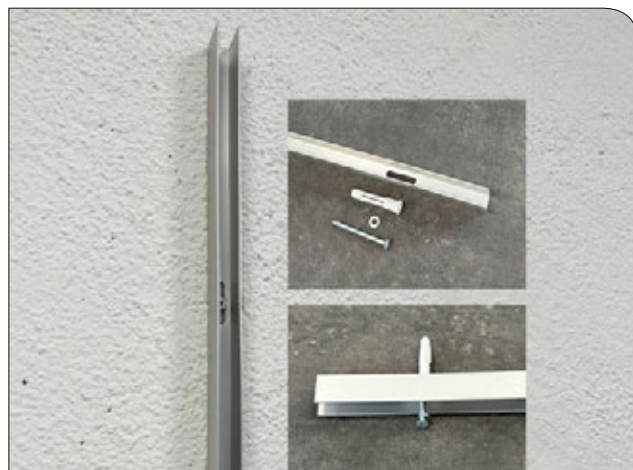
TW and SW are different. The dimension of the TW is decisive. Draw a vertical line with the water level and mark the holes as before.

**If the floor is uneven or has a slope, the standard foot clearance at the lowest point must be 150 mm.**



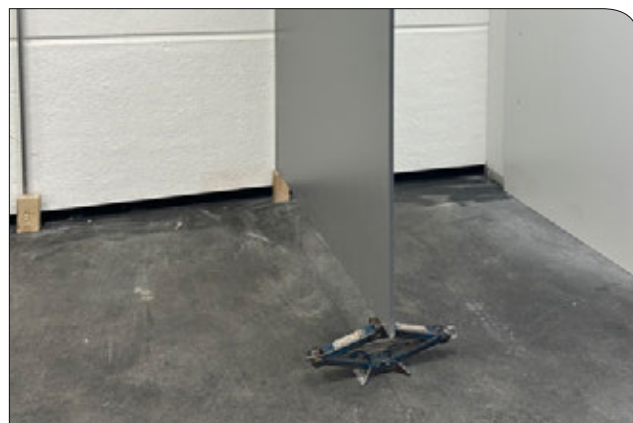
## Fastening of U-profiles

Drill the 8 mm holes and insert 8 x 51 mm wall plugs. Fasten the U profiles with washers and 5 x 50 mm chipboard screws. Leave the wooden blocks in place.



## Inserting partitions and side walls

Place the walls in the U-profiles (please do not screw them together yet). A scissor jack is required for the front part of the partition wall. Align the walls horizontally.



## Marking doors, middle, side and corner parts

First of all, the dimensions of the front parts have to be marked on the floor.  
Please note the following:

### End part

For end parts, the clearance in the drawing must be added to the width of the end wall connection.  
(Example: end section 100 mm, mark 110 mm on the floor.)

### Doors

For doors, add 10 mm to their width.  
(Example: Door 600 mm, mark out 610 mm on the floor.)

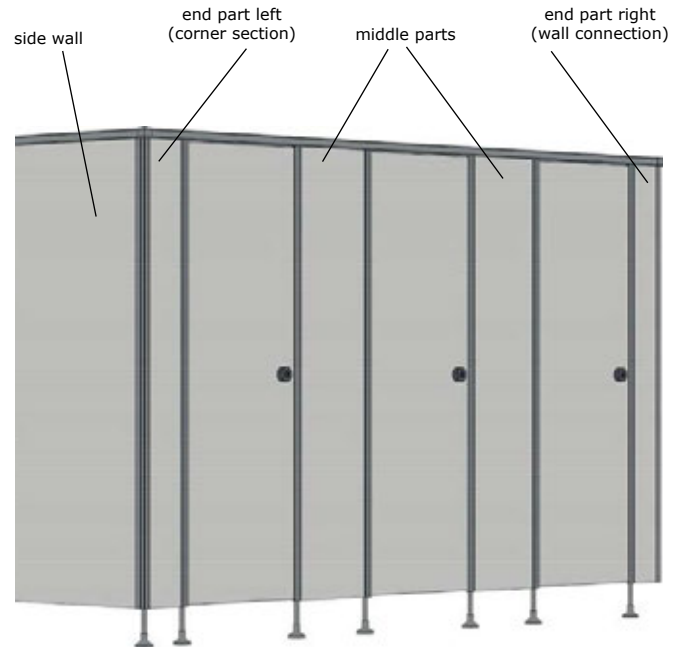
### Middle section

For middle sections, the exact width must be marked.

### Corner section

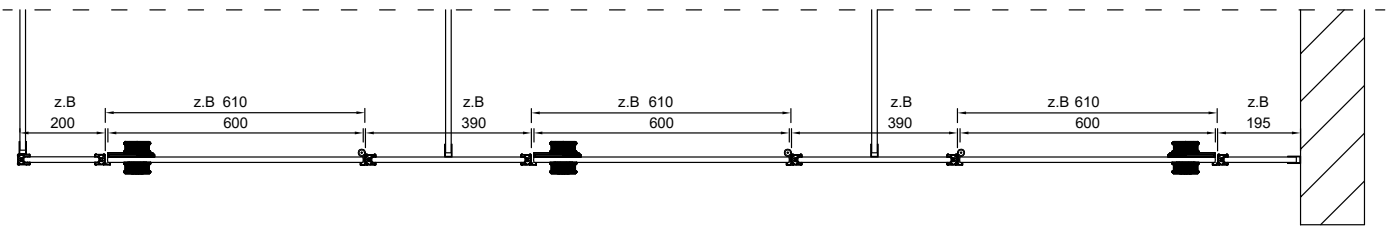
For corner sections the width dimension (see example) minus 15 mm is marked. This corresponds to the axial dimension of the end wall. Now the front axle dimensions are marked.

(Important for the distribution of the middle sections)



### For checking:

If the axial dimensions of the front are parallel to the axial dimensions of the U-profiles on the rear wall, the elevation is OK.



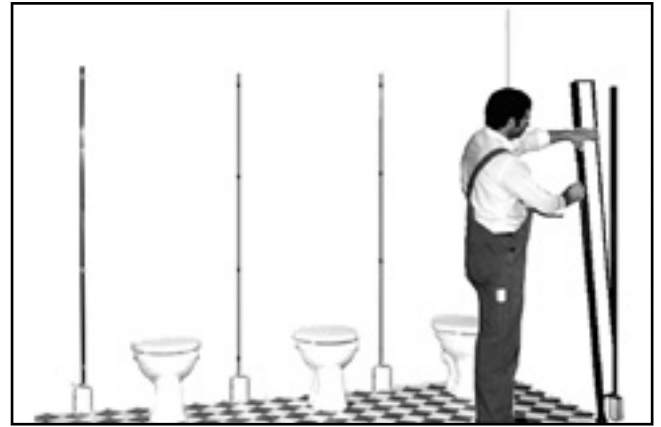
## Installing the support feet and rosettes

Fit the support sleeve into the foot tube. Put on the rosette and the base part and screw in the M10 x 50 screw from below. Now hammer the foot with the recess into the profile.



### Setting up the doors, middle-, end- and corner parts

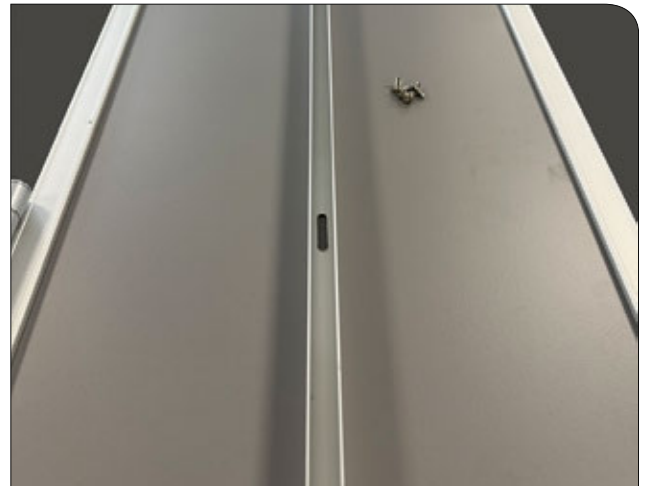
Place the side part on the marking and insert it into the U-profile. (please do not screw yet)



Place the U-profile U-13G (according to the dimensions in the drawing) flush with the bottom and in the center of the **middle section**, mark the drill holes, and fasten the U-profile with 4,8 x 11 mm screws (pre-drill 4,2 mm).

**It is imperative that the exact drilling depth of 11 mm is observed.**

Slide the finished middle section onto the partition and fasten it with 4 x 12 rivets.



#### For systems with a side wall

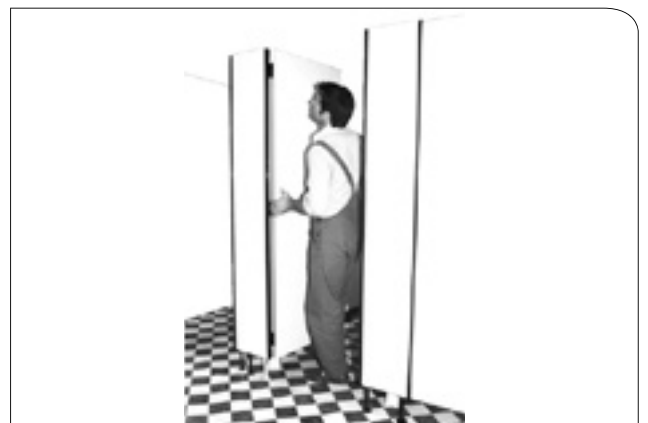
screw the U-profile with the recess onto the corner piece using 4,8 x 25 mm screws.



Hang the doors, observing the exact door clearance of 5 mm on the lock side.

The hinges are fastened to the doors with **6 stainless steel screws 4,2 x 25 mm**.

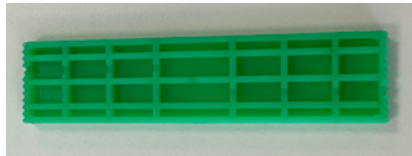
**Lubricant should be applied to the screw tips beforehand.**





upper door clearance

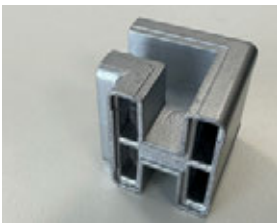
using 5 mm glass blocks



lower door clearance

### Mounting the cover profiles

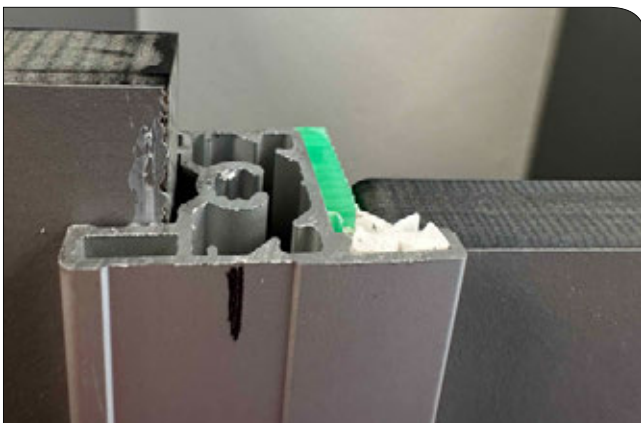
To determine the exact length of the cover profiles (AD13RFK), place the corner connector on the corners of the front and side walls. Mark the cover profiles and cut to length accordingly. (Only if SW)



Corner connector



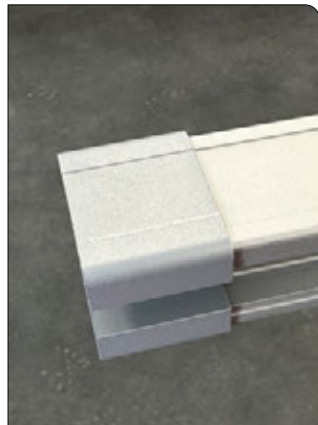
To attach the cover profile (AD13RFK), the holes in the profile must be drilled in the area of the front so that they fit into the holes in the side, corner and SW profiles. To do this, mark the center of the screw channel on the longitudinal profiles, place the cover profile and transfer the marking.



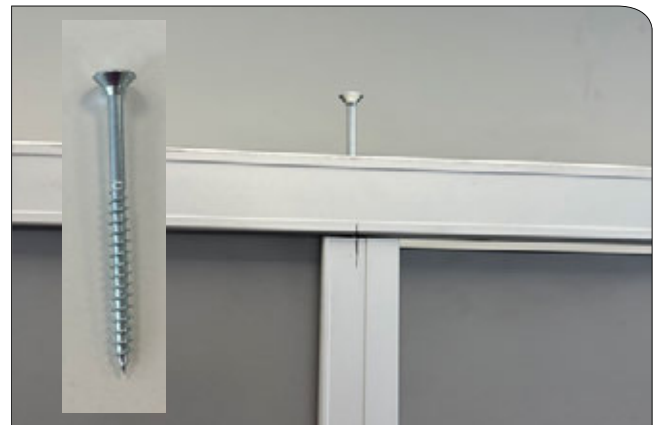
Now drill the holes in the center of the front and side cover profiles in the area of the markings using a 6,5 mm diameter drill bit.



In the area of the wall connections, push the cover cap onto the cover profile and position the profiles on the system using the corner connector.



Then fasten the front cover profile from above with 6 x 80 mm screws



Use 4,8 x 28 pan-head screws to fasten the cover profile above the side wall. Finally, screw the cover caps with 4,8 x 16 screws from above.



## Alignment of the system

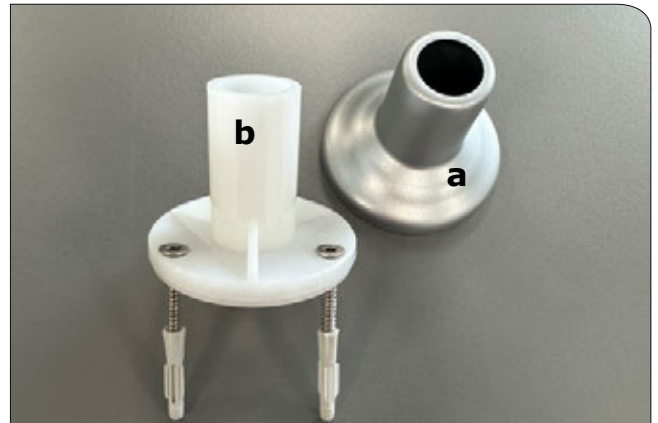
Check that the door is properly aligned with the profile and the distance to the upper profile. By raising or lowering the partition and side walls, the door stop can be changed. If necessary, a correction can also be made using the adjustable support feet.



## Screwing and riveting the assembled system

The foot rosettes are usually glued. If screwing to the floor is desired, push the cover cap (a) upwards and drill diagonally into the floor through 2 holes of the base plate (b) using a 5 mm drill bit.

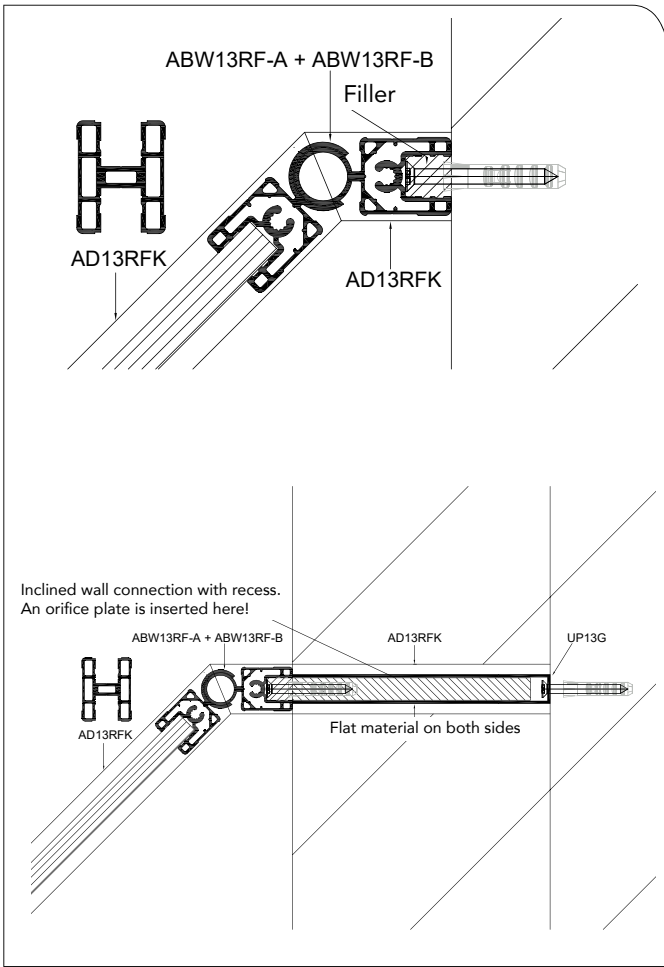
Then insert dowels 5 x 31 mm and fasten with stainless steel screws 4,8 x 32 mm. Press cover cap (a) onto base plate (b).



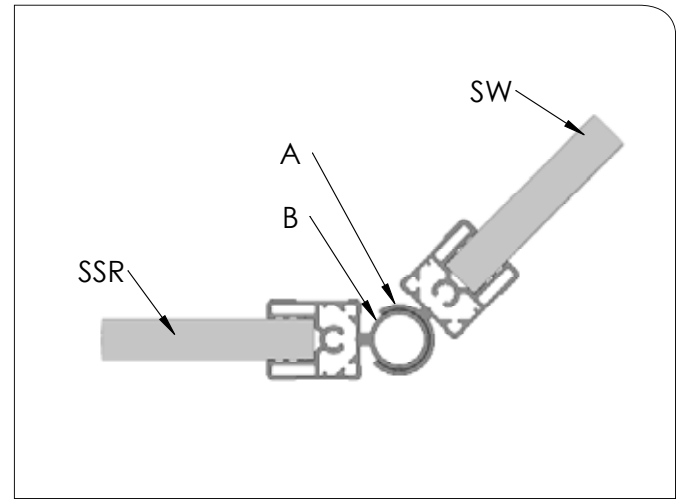
The wall profiles must have the same height as the partitions. The U-profiles must butt against each other in the area of the cover tubes. This may have to be corrected with a block and hammer. Now rivet the walls and side mirrors with 4 x 12 rivets. 4 per side per profile.



**Inclined wall connection**



**Angling**



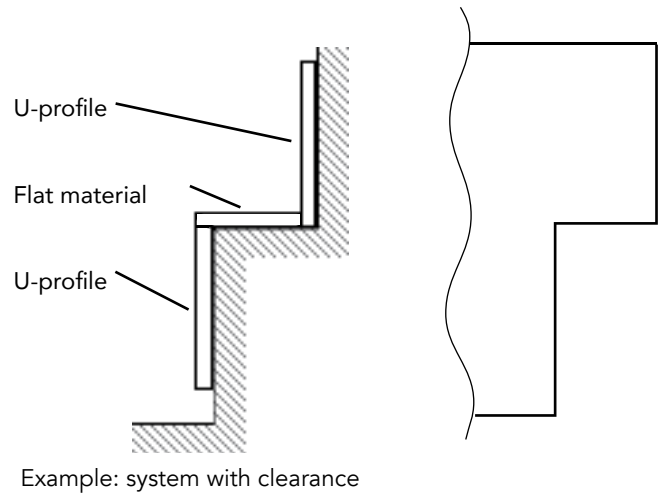
A = open angling profile

B = closed angling profile

Angle up to 90 to 162 degrees possible.

**Recess**

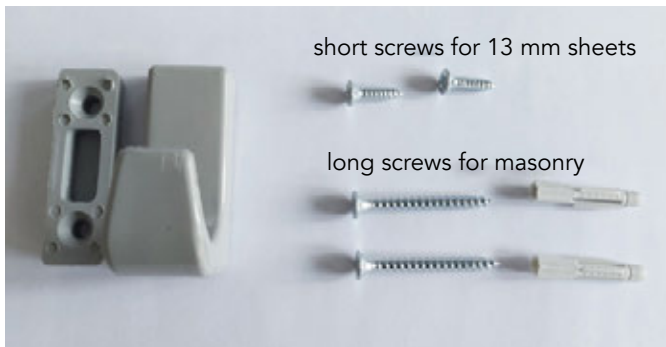
If there is facing masonry in the area of the wall connections, a recess is required. In this case, the procedure remains as described in "Marking the wall connections", but in this case U-profiles and flat material must be cut.





## Mounting hook nylon

The hooks are marked and then fastened with 5 mm dowels and screws 4 x 40. Use screws 3,9 x 13 when fastening to door or TW. Pre-drill 3,5 mm with stop, max. 11 mm deep. Then push on the rosette.



## Mounting buffer nylon

Mark the buffers at the height of the door handles. Fasten the bottom parts using an 8 mm dowel and screws 5 x 50 with washer. When fastening to the TW, use screws 4,8 x 11. For this purpose, pre-drill 4,2 mm with stop, max. 11 mm deep. Then press on the buffer.



## Mounting toilet roll holder

### ECO nylon

Pre-drill 4,2 mm, max 11 mm deep. Fastening with rivets 4,0 x 12 mm or with ES screw 4,8 x 11 mm TX25 without point.



### Stainless steel

Pre-drill 4,2 mm, max 11 mm deep. Fixing with ES screw 4,8 x 22 mm TX25.



### KEUCO

Pre-drill 4,2 mm, max 11 mm deep. The fastening is done with aluminum blind rivets 4,0 x 12 mm.



## Mounting toilet brush unit

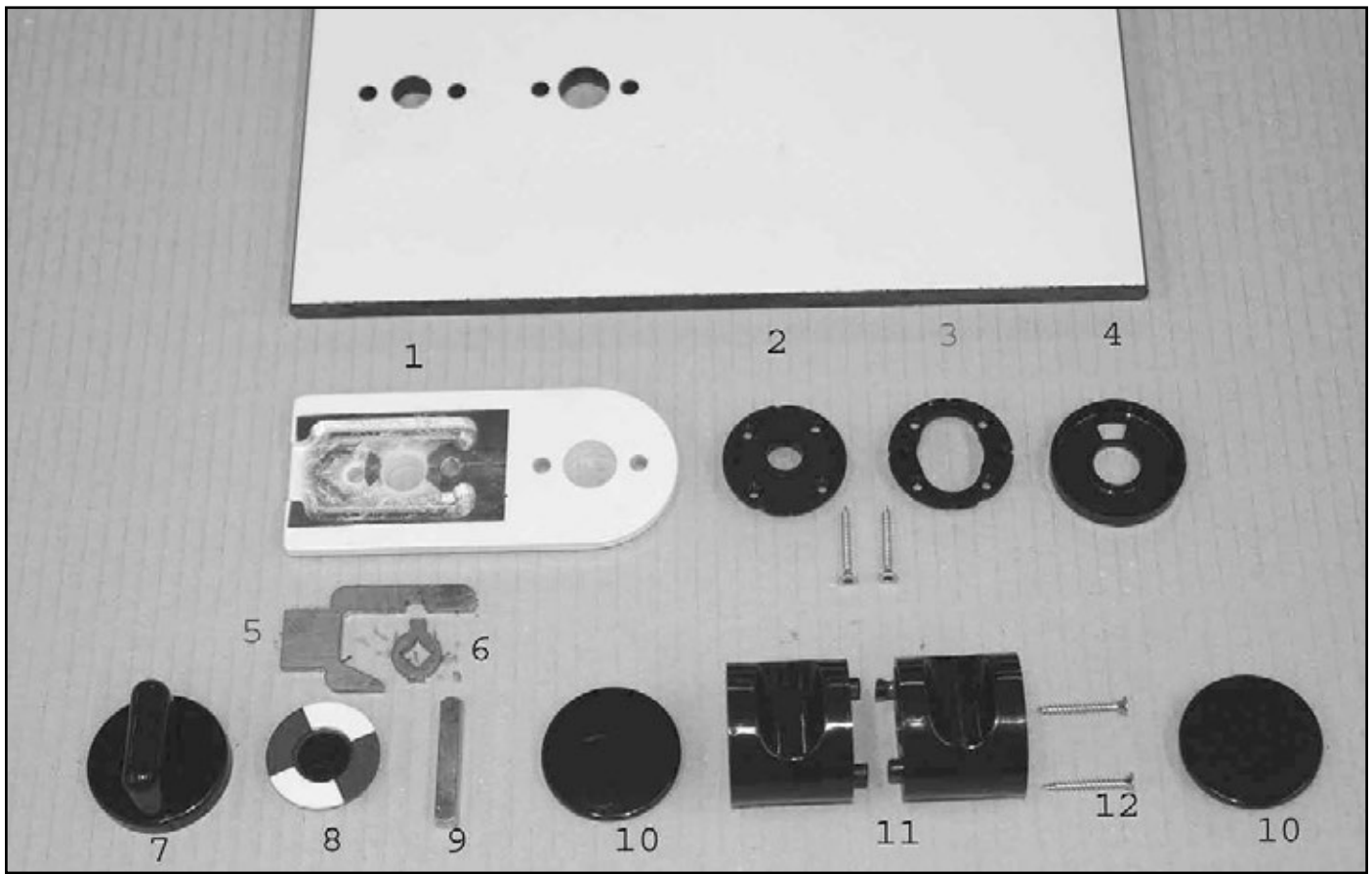
### Nylon

When fastening to partition or side wall pre-drill 4,2 mm, max 11 mm deep. Fastening with ES screws 4,8 x 11 mm TX25 without point. For masonry wall use screws and dowels. (are included with the brush).



## Installation Lock RS1

the following tools are required: Phillips-HP screwdriver  
Torx driver 15  
small hammer



### **Always place the lock case on the side after which the door is opened.**

First the 2 coiled spring pins (3 x 10 mm, without illustration) must be inserted into the housing (1) with pliers. (squeeze if necessary)

The base plates of the red/white locking device (2, 3) and the 2 screws 3,5 x 35 (12) must be ready to hand before attaching the lock case.

Insert the cam (6) with the long tab upwards into the lock case (1) and add the slider (5). Insert this sub-unit with the dowel pins through the door bore, possibly press together with pliers.

Insert the base plate (3) on the side on which the red/white disc appears later.  
Place the base plate (2) on the other side of the door and screw both parts together.

The square (9) is now inserted into the locking knob (7).  
This unit is now inserted with the square through the cam in the lock case and pressed firmly.

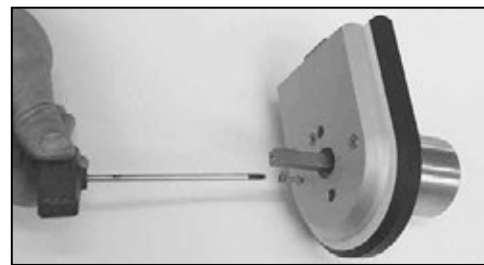
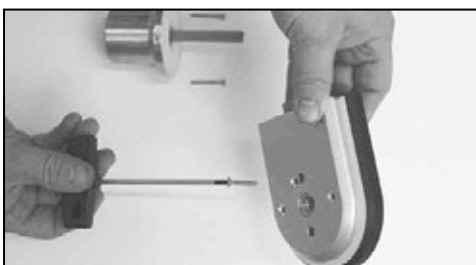
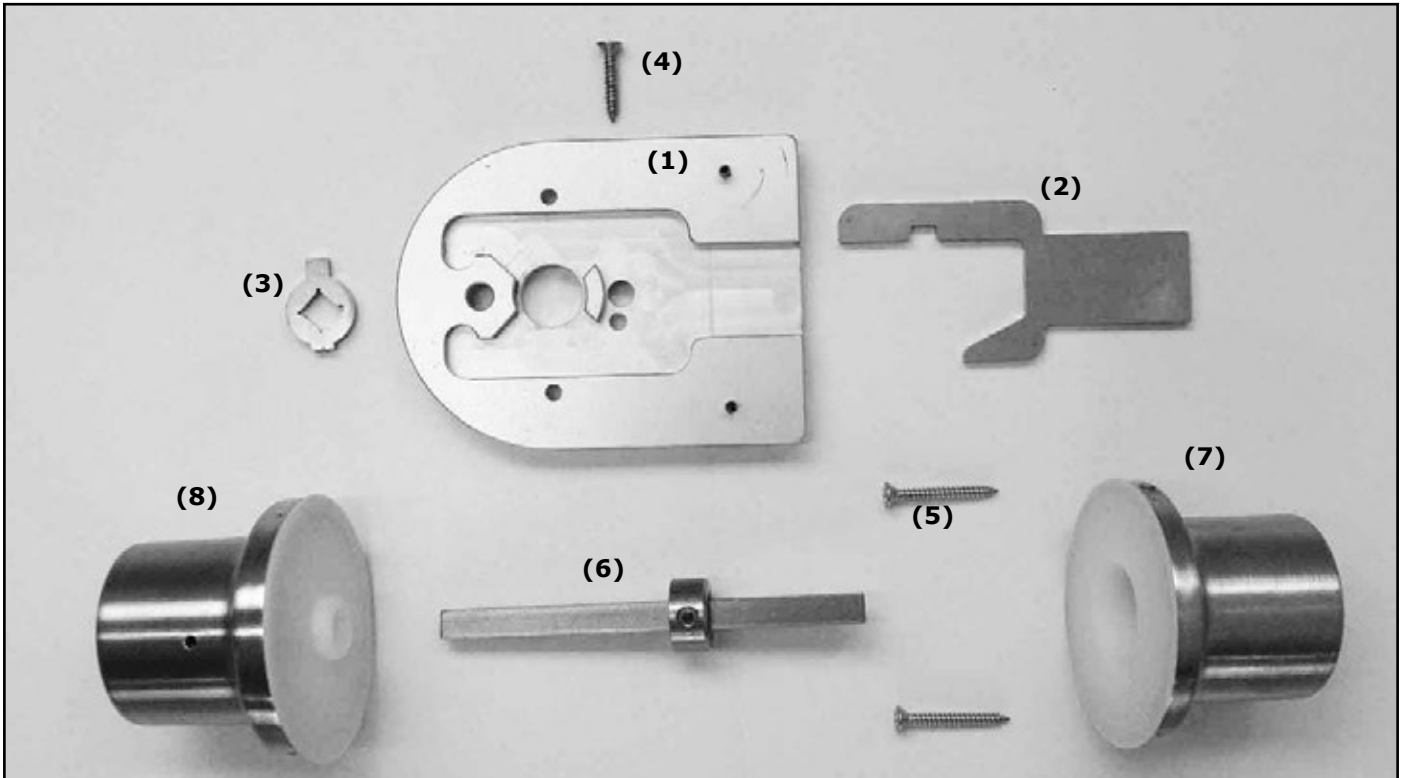
Put the red/white indicator (8) with the external emergency release to the outside on the square pin (9) and then fix it by pressing on the rosette.

The button parts (11) are fastened with the screws (12).  
Finally move the cover caps (10) onto the buttons and check the lock for function.



## Installation lock RS2, RS3

the following tools are required: Phillips-HP screwdriver  
Torx key 15  
small hammer  
Allen key 2,5 mm



First, the 2 dowel pins (3 x 10 mm, without illustration) must be inserted into the housing (1). (possibly press together with pliers)  
The housing with inserted slider (2) and cams (3) is now attached with the 3.9 x 22 screw (4) (Torx 15) on the side after which the door is opened.

Screw it together with 2 Torx-screws 3,9 x 32 (5).  
Observe the position of the red/white-indicator!



From the opposite side, slide the knob (8) onto the square.

Insert the square pin (6) into the red/white-knob (7)



With a 2,5 mm allen key, the rotary knob, is screwed with the red-white-side under pressure on the square.

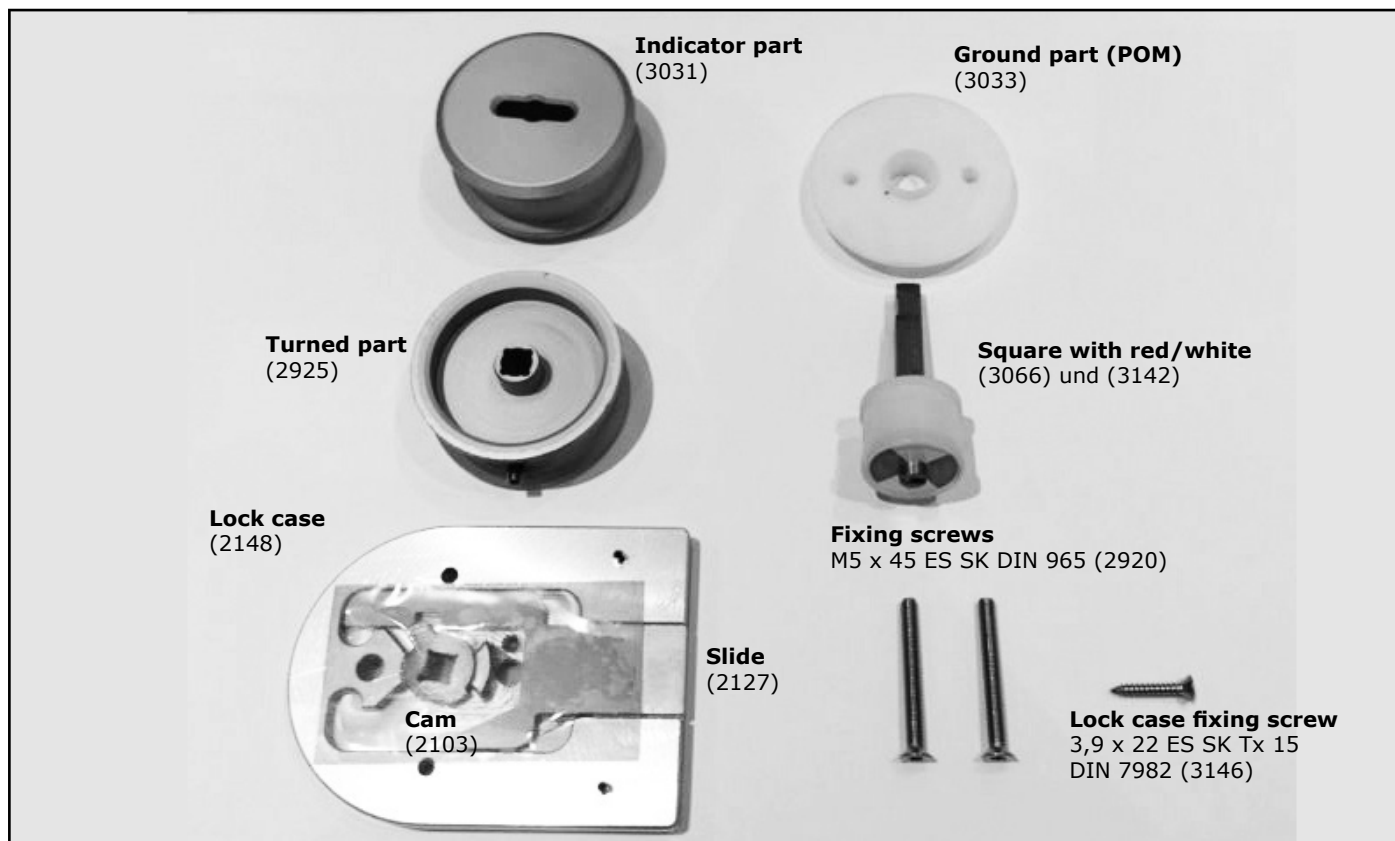
**Attention! Don` t treat stainless-steel with acidic cleaner!**



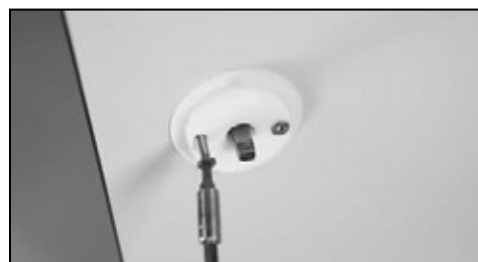
For doors that open inwards, insert this unit from the outside through the door and the cam.

## Installation lock RS4

the following tools are required: Torx key 15 und 20  
Allen key 2,5 mm



Remove foil from lock case (Attention: loose parts)  
Put the lock case with 3 mm dowel pins on the door and fasten it with screw 3,8 x 21. The slider must be in the lock case. It has to be prepared for DIN R, as shown. For DIN L the slide and the cam must be flipped.



The basic part is now attached from the other side and is screwed with the 2 screws M5 x 45 (Torx 20), through the lock case, to the red/white indicator knob.



Insert the square with the red/white indicator into the display unit. „White“ must be displayed in the viewing window.



Put on the turning part. The movement can be adjusted by pressing the knob and holding the square on the other side.



Now insert the knob through the lock case. The flattened side of the square must face down.

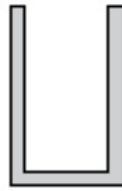


Finally fasten the knob with a 2,5 mm Allen key.

## Type 13 RS without clearance



UP13G



For the floor connection, the UP13G profiles must be cut to the width of the front elements on site. They are then screwed to the floor.

## How to tense spring hinges

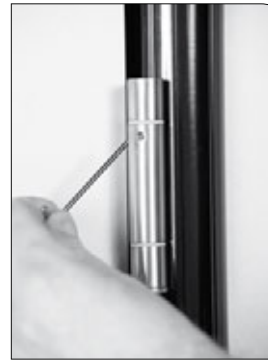
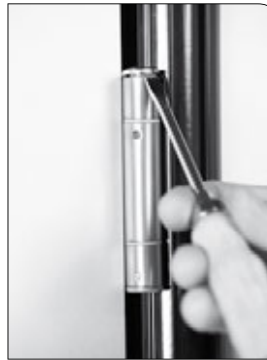
Keep the door closed.  
Remove the cover cap and unloose the setscrew with a 2,5 mm Allen key.  
Tense the spring hinge with a 6 mm Allen key.

If the spring pin is tightened in the door closing direction, the door closes automatically.

If the door should open automatically spring bar must be tightened in the other direction.

Prestress a maximum of 2 grid points.  
No more than 120°.  
(Risk of spring overload)

Now tighten the setscrew again and fit the cover cap.



## Urinal screens

Aluminium support angle



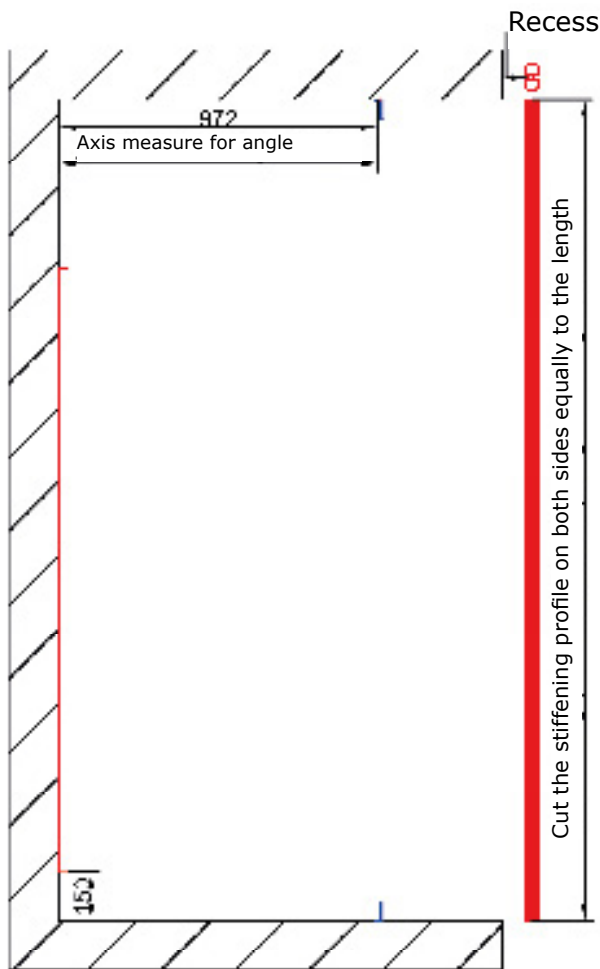
Stainless steel support angle



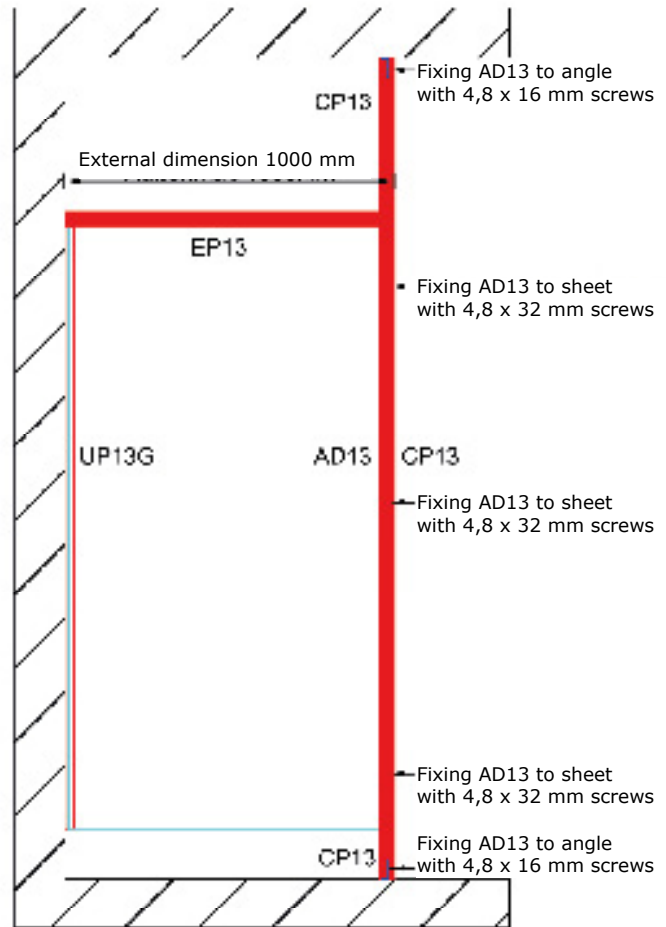
The mounting materials are included in the scope of delivery in each case.

## Example: Floor- and ceiling support with clearance!

### Measurements



### Installed system



### Installation procedure

Draw a vertical line with the spirit level at the position where the wall is to be mounted and mark the holes for the UP13G.

Also mark the two angles at floor and ceiling. Same axial dimension as the UP13G.

Formula: outer dimension -28 mm.

Now drill 8 mm holes and insert dowels 8 x 51 mm.

Fit the UP13G to the specified size using washers and 5 x 50 mm Spax screws.

Mount the two brackets with 5 x 50 mm Spax screws.

Cut the AD13 to length on both heads.

Formula: clear height -2 mm.

The recesses of AD 13 must face the fixed wall.

Place the 13 mm sheet in the U-profile. Place the front part on a wooden block and in the scale.

Now the wall is fixed with 4 rivets. Pre-drill 4,0 mm for this.

The AD13 is now screwed to the top and bottom angles with 4,8 x 16 mm screws. Furthermore, the AD13 must be connected to the 13 mm sheet. Pre-drill 4,2 mm into the plate and screw together with 4,8 x 32 mm screws.

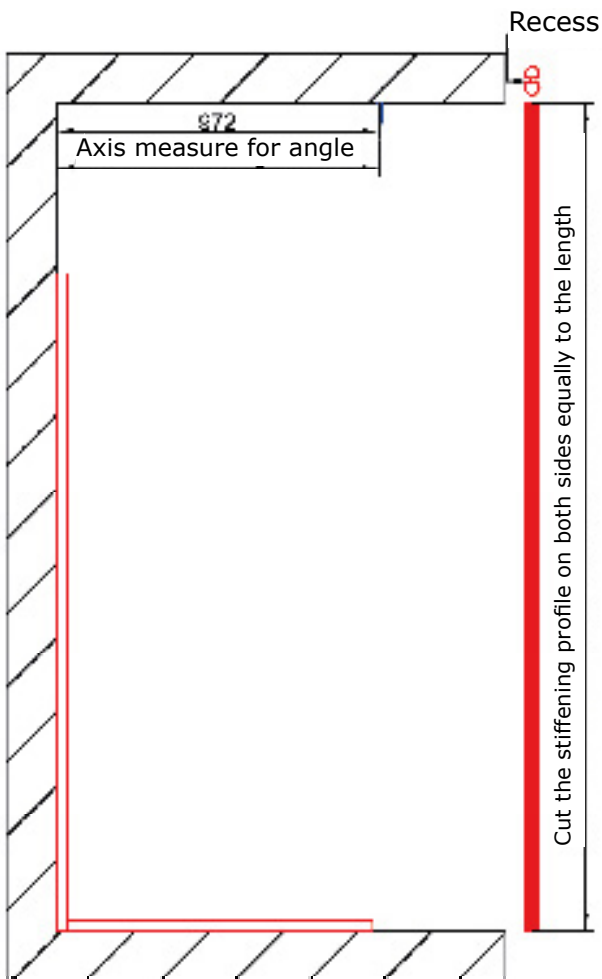
### Attention! Drill straight into the plate to avoid tearing!

Now the EP13 is cut to size and glued with silicone (on site). Formula: Outer dimension -45 mm.

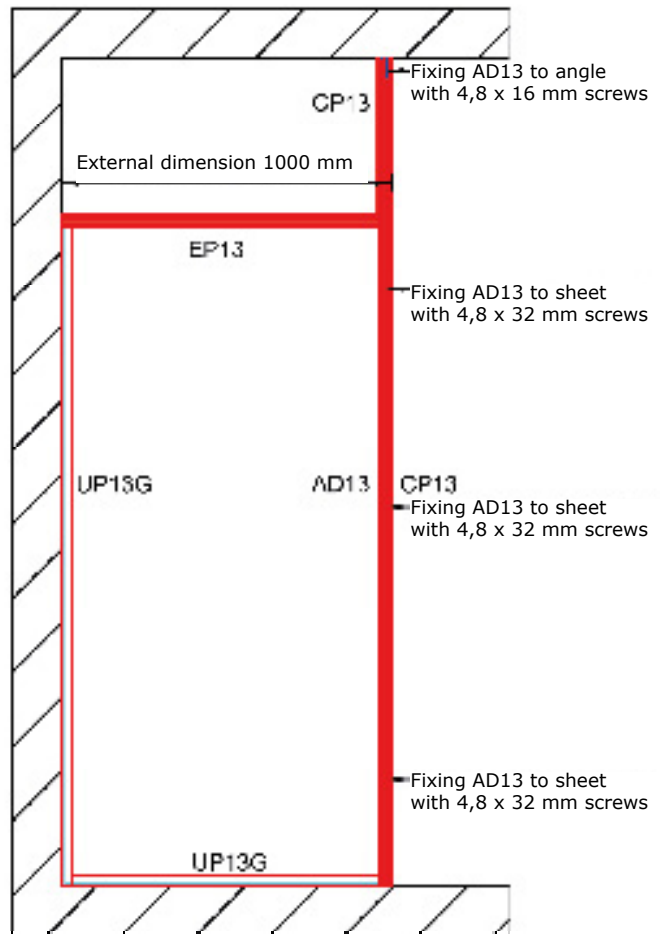
Finally, the CP13 are cut to length and inserted.

## Example: Floor- and ceiling support without clearance!

Measurements



Installed system



Cut the lower UP13G to length. Formula: Outer dimension -75 mm.

Draw a vertical line with the spirit level at the position where the wall is to be mounted and mark the holes for the UP13G.

Also mark the angle at the ceiling. Same axis measure as at the UP13G.

Formula: external dimension -28 mm.

Now drill 8 mm holes and insert dowels 8 x 51 mm.

Fit the UP13G to the specified size using washers and 5 x 50 mm Spax screws.

Mount the two brackets with 5 x 50 mm Spax screws.

Cut the AD13 to length on both heads.

Formula: clear height -2 mm.

The recesses of AD 13 must face the fixed wall.

Place the 13 mm sheet in the U-profile. Place the front part on a wooden block and in the scale.

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Now the EP13 is cut to size and glued with silicone (on site). Formula: Outer dimension -45 mm.

Finally, the CP13 are cut to length and inserted.

