



## **StoSilent Modular 100** Installation instructions



## Fixing to the ceiling with vernier hangers

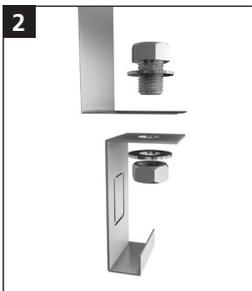


### Scope of delivery:

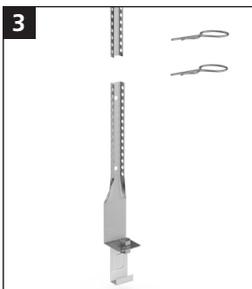
- 4 Vernier hanger top parts, length = 490 mm
- 4 Vernier hanger bottom parts, length = 170 mm
- 8 Vernier locking pins
- 4 Hexagon screws M5 x 8
- 4 Serrated washers M5
- 4 Washers, thk = 6 mm
- 4 Hexagon nuts M5
- 4 StoSilent Modular 100 Connector connecting hooks



1 Mark the fixing points on the ceiling in accordance with the table "Suspension point dimensioning for ceiling installation". Fix the vernier hanger top part to the ceiling. After fixing the vernier hanger, bend it by 90° into a vertical position.



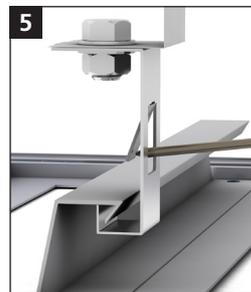
2 Screw the connecting hooks with the hexagon bolt, the washer, the serrated washer M5, and the hexagon nut M5 to the vernier hanger bottom part and tighten.



3 Adjust the bottom vernier part and the top vernier part to the right height and join with two vernier locking pins.



4 Connect StoSilent Modular 100 by hanging its carrier profiles into the connecting hooks and align.



5 Use a suitable tool to press the tab of the connecting hook outwards by approx. 25° (equivalent to approx. 5 mm). This prevents it from slipping out of the hanger.

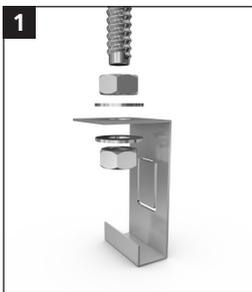
Remove the masking film over the Sto label and clean the frame if necessary.

## Fixing to the ceiling with threaded rods

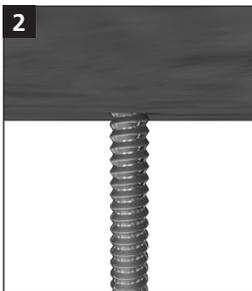


### Scope of delivery:

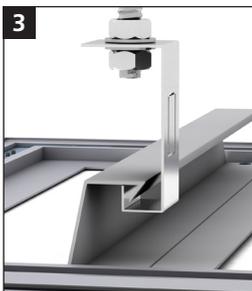
- 4 Threaded rods M6 x 500 mm
- 8 Hexagon nuts M6
- 8 Washers, thk = 6 mm
- 4 StoSilent Modular 100 Connector connecting hooks



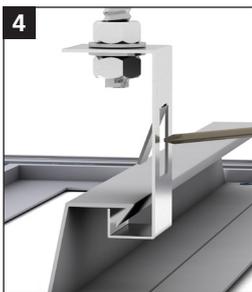
Mark the fixing points on the ceiling in accordance with the table "Suspension point dimensioning for ceiling installation". Screw the connecting hook on to the threaded rod. Tighten with the washers and the hexagon nut M6.



Shorten the threaded rod M6 to the required suspension height and fix to the ceiling.



Connect StoSilent Modular 100 by hanging its carrier profiles into the connecting hooks and align.



Use a suitable tool to press the tab of the connecting hook outwards by approx. 25° (equivalent to approx. 5 mm). This prevents it from slipping out of the hanger.

Remove the masking film over the Sto label and clean the frame if necessary.

## Fixing to the ceiling with steel wire hangers

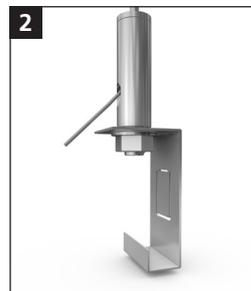


### Scope of delivery:

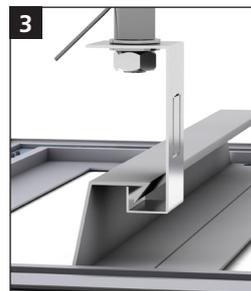
- 4 Ceiling fixings M13 x 1 with 6.5 drill hole
- 4 Screw caps M13 x 1
- 4 Steel wires, diameter 1.0 mm, with pressed end stop, length 500 mm
- 4 Steel wire holders
- 4 Serrated washers M5
- 4 Hexagon screws M5 x 8
- 4 StoSilent Modular 100 Connector connecting hooks



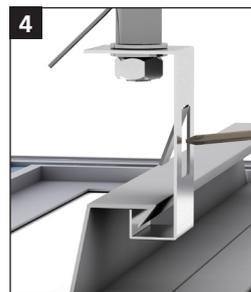
Mark the fixing points on the ceiling in accordance with the table "Suspension point dimensioning for ceiling installation". Fix the ceiling fixing M13 x 1 to the ceiling. Lead the steel wires through the screw cap M13 x 1. Then screw the cap M13 x 1 to the ceiling attachment M13 x 1.



Screw the connecting hook with the hexagon bolt and the serrated washer M5 to the steel wire holder. Push the steel wire through the steel wire holder and adjust to the suspension height.



Connect StoSilent Modular 100 by hanging its carrier profiles into the connecting hooks and align. It is possible to re-adjust the suspension height by pressing on the steel wire holder.



Use a suitable tool to press the tab of the connecting hook outwards by approx. 25° (equivalent to approx. 5 mm). This prevents it from slipping out of the hanger.

Remove the masking film over the Sto label and clean the frame if necessary.

## Mounting on the wall

StoSilent Modular 100 can be suspended in portrait format on vertical walls. Fix the element using the upper horizontal carrier profile.

### Retaining elements

For each wall mounting, use 2 suitable commercially-available screw hooks, picture hooks, or similar retaining elements onto which you can hang the carrier profile. Depending on the substrate, use suitable dowels as necessary.

### Installation process

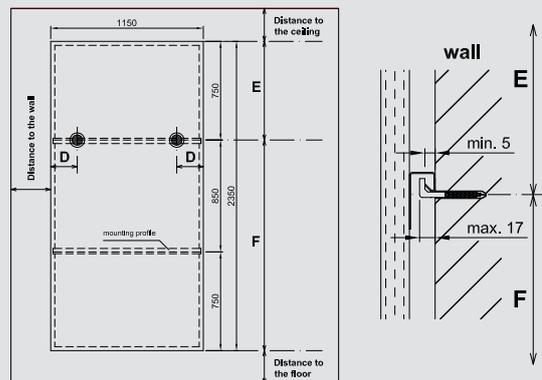
1. Measure the installation points and the desired position on the wall in accordance with the table "Suspension point dimensioning for wall mounting".
2. Spacing the fixing points from the upper horizontal edge: see dimension E in the table "Suspension point dimensioning for wall mounting".
3. Spacing the fixing points from the lower horizontal edge: see dimension F in the table "Suspension point dimensioning for wall mounting".
4. Spacing the fixing points from the vertical edge: see dimension D in the table "Suspension point dimensioning for wall mounting".
5. Install the retaining elements correctly and in accordance with the load-bearing capacity of the substrate.
6. Adjust the installation depth of the retaining element according to the shape of the carrier profile. Screw the retaining elements at a clear distance of at least 5 mm to the wall. Do not allow the retaining elements to protrude further than 17 mm from the wall.
7. Insert StoSilent Modular 100 into the retaining element.

### Suspension point dimensioning for wall mounting

| Element length in mm | Element width in mm | E          | F    | D     |
|----------------------|---------------------|------------|------|-------|
| 3000                 | 1250                | 518        | 2482 | ≤ 210 |
| 2350                 | 1150                | 518        | 1832 | ≤ 190 |
| 1250                 | 1250                | 228        | 1022 | ≤ 210 |
| 1150                 | 1150                | 228        | 922  | ≤ 190 |
| 1150                 | 750                 | 228        | 922  | ≤ 125 |
| Special dimension    |                     | On request |      |       |

- Dimensions relate to the outer edge of the element.

### View: StoSilent Modular 100 wall element, 2350 x 1150 mm



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