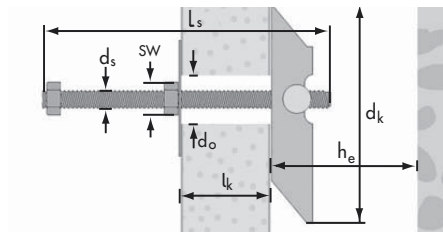
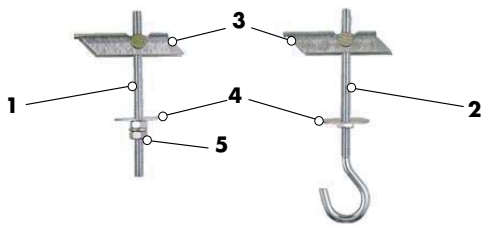
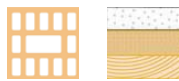


# heavy duty cavity toggle anchor



| No. | Name               | Material          | No. | Name            | Material          |
|-----|--------------------|-------------------|-----|-----------------|-------------------|
| 1   | Cavity Toggle MF-M | Zinc plated steel | 4   | Nut with washer | Zinc plated steel |
| 2   | Cavity Toggle MF-H | Zinc plated steel | 5   | Assembling nut  | Zinc plated steel |
| 3   | Toggle element     | Zinc plated steel |     |                 |                   |

## Building materials



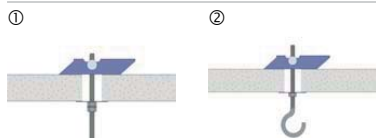
## Qualities



## Characteristics

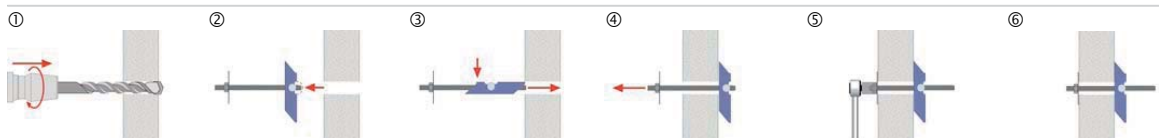
- High loads for suspended rod.
- Min. cavity depth of 70 mm needed.
- With hook = MK-H or threaded rod = MK-M
- A large expansion area for soft base materials.
- Fire proof.
- The pull out loads of the Cavity Toggle, are far greater than the base materials (material of the plates).

## Applications



- ①+② Rotating threaded rod allows precise levelling of the fixing point
- Assembling of air ducts, contact rails and lighting rails.

## Installation



- ① Take drill hole-Ø and drill hole depth from the table.
- ② Screw the rod back not to obstruct the toggle when turning back into the setting position.
- ③ Insert the Cavity Toggle into the hole.
- ④ Retract the Cavity Toggle and turn in the thread if necessary.
- ⑤ Tighten the nut on the Cavity Toggle.
- ⑥ Adjustment is possible at anytime.

|                            |  | M5   | 5H  | M6   | 6H  | M8   | 8H  | M10  |     |
|----------------------------|--|------|-----|------|-----|------|-----|------|-----|
|                            | With threaded rod                                | x    |     | x    |     | x    |     | x    |     |
|                            | With hook  |      | x   |      | x   |      | x   |      |     |
| Recommended tension loads: |  |      |     |      |     |      |     |      |     |
| N <sub>Emp</sub>           | - Gypsum plasterboards d = 12.5 mm <sup>1)</sup> | 0.23 |     | 0.25 |     | 0.3  |     |      |     |
|                            | - Wood plates d = 13 mm <sup>1)</sup>            | 0.4  |     | 0.45 |     | 0.5  |     | 0.77 |     |
|                            | - Cement Fiber boards d = 12 mm <sup>1)</sup>    | 0.65 |     | 0.7  |     | 0.75 |     | 0.92 |     |
|                            | - MF-H <sup>2)</sup>                             | 0.2  |     | 0.25 |     | 0.35 |     |      |     |
| h <sub>ef</sub>            | Effective anchorage depth                        | mm   | 50  | 30   | 60  | 50   | 50  | 25   | 100 |
| h <sub>e</sub>             | Min. insertion depth                             | mm   | 70  |      | 70  |      | 70  |      | 100 |
| d <sub>s</sub>             | Thread-Ø   | mm   | 5   |      | 6   |      | 8   |      | 10  |
| l <sub>s</sub>             | Thread length                                    | mm   | 100 | 70   | 100 | 90   | 100 | 90   | 170 |
| SW                         | Spanner size                                     | mm   | 8   |      | 10  |      | 13  |      | 17  |
| d <sub>0</sub>             | Drill hole-Ø in the building material            | mm   | 15  |      | 18  |      | 20  |      | 30  |
| l <sub>k</sub>             | Max. usable length                               | mm   | 50  | 30   | 60  | 50   | 50  | 25   | 100 |
| d <sub>k</sub>             | Supporting width                                 | mm   | 65  |      | 71  |      | 73  |      | 141 |



## Cavity Toggle

- 1) Safety factor 4
- 2) Hook-deformation: Safety factor 4