

# HHD-S Cavity anchor

## Anchor version



HHD-S  
(M4-M8)

## Benefits

- Metal undercut anchor with metric screw, especially for drywall
- Metal to metal fastening
- Reliable undercut

## Base material



Drywall

## Basic loading data (for a single anchor)

### All data in this section applies to:

- Correct setting (See setting instruction)
- No edge distance and spacing influence
- Base material as specified in the table
- Borehole drilling without hammering

### Recommended loads<sup>a)</sup>

Anchor size		M4	M5	M6	M8
Hollow brick web thickness 20mm	N <sub>Rd</sub> [kN]	0,1	-	-	-
	V <sub>Rd</sub> [kN]	0,3	-	-	-
Gypsum board Thickness 10mm	N <sub>Rd</sub> [kN]	0,2	0,2	0,2	0,2
	V <sub>Rd</sub> [kN]	0,5	0,5	0,5	0,5
Gypsum board Thickness 12,5mm	N <sub>Rd</sub> [kN]	0,2	0,2	0,2	0,2
	V <sub>Rd</sub> [kN]	0,5	0,5	0,5	0,5
Gypsum board Thickness 2x12,5mm	N <sub>Rd</sub> [kN]	-	0,4	0,3	0,4
	V <sub>Rd</sub> [kN]	-	1	0,9	1
Fibre reinforced gypsum board Thickness 10mm	N <sub>Rd</sub> [kN]	0,2	0,3	0,25	0,4
	V <sub>Rd</sub> [kN]	0,5	0,6	0,8	0,9
Fibre reinforced gypsum board Thickness 12,5mm	N <sub>Rd</sub> [kN]	0,3	0,5	0,3	0,6
	V <sub>Rd</sub> [kN]	0,6	1	1	1,2
Fibre reinforced gypsum board Thickness 2x12,5mm	N <sub>Rd</sub> [kN]	-	0,9	0,8	0,9
	V <sub>Rd</sub> [kN]	-	1,1	1,8	1,7

a) With overall global safety factor  $\gamma = 3$  to the characteristic loads and a partial safety factor of  $\gamma = 1,4$  to the design values.

## Materials

### Material quality

Part	Material
Plastic sleeve	Carbon steel, galvanised
Screw	Carbon steel, galvanised

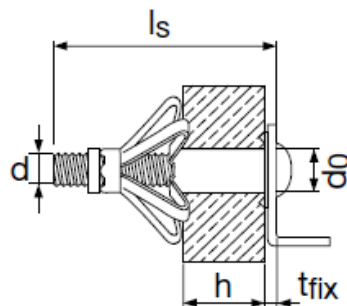
## Setting information

### Setting details HHD-S

Anchor		M4x4	M4x6	M4x12	M4x19	M5x8	M5x12	M5x25
Nominal diameter of drill	$d_o$ [mm]	8	8	8	8	10	10	10
Anchor length	$l$ [mm]	20	32	38	45	38	52	65
Anchor neck length	$h$ [mm]	4	6	12,5	19	8	12,5	25
Screw length	$l_s \geq$ [mm]	25	39	45	52	45	58	71
Screw diameter	$d$ [mm]	M4	M4	M4	M4	M5	M5	M5
Panel thickness	$h_{min,max}$ [mm]	3 - 4	6 - 7	10 - 13	18 - 20	6 - 8	11 - 13	23 - 25
Max. fixable thickness for pre-setting	$t_{fix}$ [mm]	15	25	25	25	25	30	30

### Setting details HHD-S

Anchor		M6x9	M6x12	M6x24	M6x40	M8x12	M8x24	M8x40
Nominal diameter of drill	$d_o$ [mm]	12	12	12	12	12	12	12
Anchor length	$l$ [mm]	38	52	65	80	54	66	83
Anchor neck length	$h$ [mm]	9	12,5	25	40	12,5	25	40
Screw length	$l_s \geq$ [mm]	45	58	71	88	60	72	90
Screw diameter	$d$ [mm]	M6	M6	M6	M6	M8	M8	M8
Panel thickness	$h_{min,max}$ [mm]	7 - 9	11 - 13	23 - 25	38 - 40	11 - 13	23 - 25	38 - 40
Max. fixable thickness for pre-setting	$t_{fix}$ [mm]	20	30	30	30	30	30	35



## Installation equipment

Anchor	M4	M5	M6	M8
Rotary hammer	TE2 - TE16			
Other tools	Screwdriver, HHD-SZ2 expansion tool			



**Setting instruction**

\*For detailed information on installation see instruction for use given with the package of the product.

Setting instructions		
<p><b>1. Drill hole with drill bit</b></p>	<p><b>2. Put anchor into setting tool</b></p>	<p><b>3. Install anchor with setting tool</b></p>
<p><b>4. Remove screw from anchor and screw in gain with part being fastened attached</b></p>		

