



HHD-S

METAL LIGHT DUTY

Technical Datasheet

Update: Jan-23



HHD-S Light duty metal anchors

Economical 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^{a)}

Anchor size		M4	M5	M6	M8
Hollow brick web thickness 20mm	N _{rec} [kN]	0,1	-	-	-
	V _{rec} [kN]	0,3	-	-	-
Gypsum board Thickness 10mm	N _{rec} [kN]	0,2	0,2	0,2	0,2
	V _{rec} [kN]	0,5	0,5	0,5	0,5
Gypsum board Thickness 12,5mm	N _{rec} [kN]	0,2	0,2	0,2	0,2
	V _{rec} [kN]	0,5	0,5	0,5	0,5
Gypsum board Thickness 2x12,5mm	N _{rec} [kN]	-	0,4	0,3	0,4
	V _{rec} [kN]	-	1	0,9	1
Fibre reinforced gypsum board Thickness 10mm	N _{rec} [kN]	0,2	0,3	0,25	0,4
	V _{rec} [kN]	0,5	0,6	0,8	0,9
Fibre reinforced gypsum board Thickness 12,5mm	N _{rec} [kN]	0,3	0,5	0,3	0,6
	V _{rec} [kN]	0,6	1	1	1,2
Fibre reinforced gypsum board Thickness 2x12,5mm	N _{rec} [kN]	-	0,9	0,8	0,9
	V _{rec} [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
Sleeve	Carbon steel, galvanised
Screw	Carbon steel, galvanised

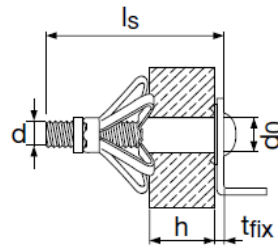
Setting information

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		
1. Drill hole with drill bit 	2. Put anchor into setting tool 	3. Install anchor with setting tool
4. Remove screw from anchor and screw in gain with part being fastened attached		