



HTB-2

METAL LIGHT DUTY

Technical Datasheet

Update: Jan-23



HTB-2 Light duty metal anchors

Economical metal anchor for drywall and hollow wall

Anchor version



HTB-2
(M5-M6)

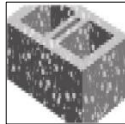
Benefits

- Ingenious and strong for hollow base materials
- Convincing simplicity when setting
- Technical superiority with up to 76 mm fixing thickness
- Load carried by strong metal channel and screw

Base material



Drywall



Hollow
concrete block

Basic loading data

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
- Minimum base material thickness

Design resistance

Anchor size		M5	M6
Gypsum board Thickness 12,5 mm	N_{Rd} [kN]	0,35	
	V_{Rd} [kN]	0,42	
Gypsum board Thickness 2x12,5 mm	N_{Rd} [kN]	0,70	
	V_{Rd} [kN]	0,42	
Fibre reinforced gypsum board Thickness 12,5 mm	N_{Rd} [kN]	0,80	
	V_{Rd} [kN]	0,84	
Hollow concrete block	N_{Rd} [kN]	1,04	
	V_{Rd} [kN]	1,3	

Recommended loads^{a)}

Anchor size		M5	M6
Gypsum board Thickness 12,5 mm	N_{Rec} [kN]	0,25	
	V_{Rec} [kN]	0,30	
Gypsum board Thickness 2x12,5 mm	N_{Rec} [kN]	0,50	
	V_{Rec} [kN]	0,30	
Fibre reinforced gypsum board Thickness 12,5 mm	N_{Rec} [kN]	0,57	
	V_{Rec} [kN]	0,60	
Hollow concrete block	N_{Rec} [kN]	0,74	
	V_{Rec} [kN]	0,92	

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

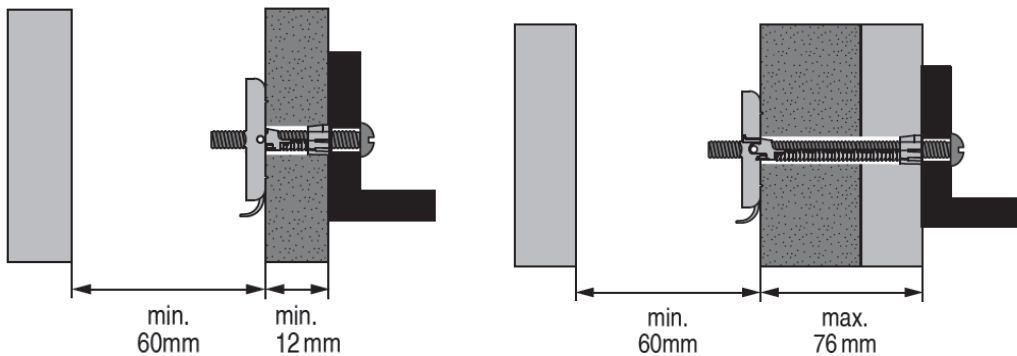
Material quality

Part	Material
Metal channel	Carbon steel galvanized to 5 microns
Cap washer	Polypropylene copolymer
Legs	Polypropylene copolymer
Screw	Carbon steel galvanized to 3 microns

Setting information

Setting details

Anchor size		M5	M6
Nominal diameter of drill bit	d_0 [mm]	13	
Thickness of wall and fixture	min $h + t_{fix}$ [mm]	10	
	max $h + t_{fix}$ [mm]	76	
Minimum space of cavity	l [mm]	60	
Screw length	l [mm]	$12 + h + t_{fix}$	
Screw size	d [Nm]	M5	M6
Torque moment	T_{inst} [mm]	3	5



Installation equipment

Anchor size	M5	M6
Rotary hammer	TE 6A, TE 6C, TE 6S, TE 15, TE 15-C, TE 18-M	
Setting tools	Screw driver	

Setting instruction

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

Setting instruction		
1. Drilling 	2. Prepare anchor for inserting 	3. Inserting and adjusting anchor
4. Throw away removable part 	5. Inserting screw with tool 	