



# HTB-2 Light duty metal anchors

Economical metal anchor for drywall and hollow wall

## Anchor version



HTB-2  
(M5-M6)

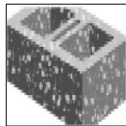
## Benefits

- 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<sup>a)</sup>

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

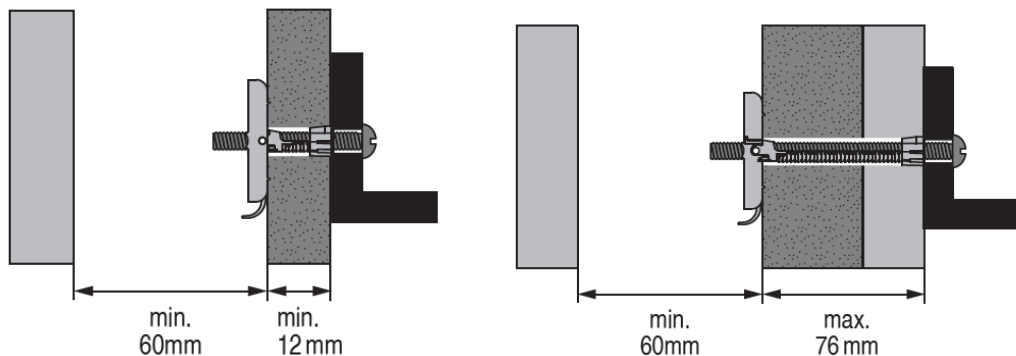
### Material quality

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	$l$	$12 + h + t_{fix}$	
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		
<b>1. Drilling</b> 	<b>2. Prepare anchor for inserting</b> 	<b>3. Inserting and adjusting anchor</b> 
<b>4. Throw away removeable part</b> 	<b>5. Inserting screw with tool</b> 	