

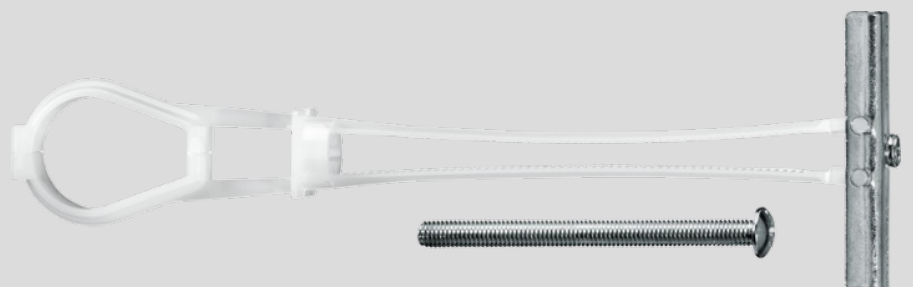


HTB-3

Hollow wall metal anchor

Product Technical Datasheet

Update: Dec 24



HTB-3 hollow wall metal anchor

Economical toggle bolt hollow wall anchor for easy and correct fastening to drywall

Anchor version	Benefits
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- Designed for easier installation – double nylon zippers allow you to easily insert, flip the toggle wings, and zip the collar to the wall, helping you to install these anchors correctly and quickly every time
- High load capacity – toggle bolts provide high load capacity for fastening on drywall and hollow wall materials, see technical datasheet for full details
- Practical and economical – these nylon toggle anchors are a lower-cost solution for fastening to hollow walls, especially when you only have access to one side of the wall
- Allows future modifications – the fastening point remains in the wall even after the fixture has been unscrewed
- Anchoring to drywall (max. thickness 3" or 76 mm)



Base material	Load conditions
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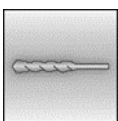


Drywall



Static/
quasi-static

Drilling, cleaning, setting		Other information
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Drilling



Rotary mode
(Drywall)



Hilti Technical
data




Instructions for use and Link to Hilti Webpage

The instructions for use can be viewed using the link in the instructions for use table or the QR code/link in the Hilti webpage table

Instructions for use

Anchor size	M 5 – M 8
HTB-3	IFU HTB-3

Link to Hilti Webpage

HTB-3	
	

Static loading based on Hilti Technical data

All data in this section applies to:

- Correct setting (See setting instruction)
- Rotary mode drilled holes in drywall
- For a single anchor
- No edge distance and spacing influence
- Minimum base material thickness (see setting detail table)
- Recommended loads :With overall global safety factor $\gamma = 3$ to the characteristic loads and a partial safety factor of $\gamma = 1,4$, to the design values

Design resistance

Anchor size		M5	M6	M8
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		

Recommended loads

Anchor size		M5	M6	M8
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		

Setting information

Setting details

Anchor size			M5	M6	M8
Nominal diameter of drill bit	d_0	[mm]	13 -14	13 -14	18-19
Thickness of wall	min	h_{min}	12.5		
	max	h_{max}	76		
Minimum space of cavity	l	[mm]	60		
Screw length	L	[mm]	$12 + h + t_{fix}$		
Screw size	d	[mm]	M5	M6	M8
Torque moment	T_{inst}	[Nm]	3		

