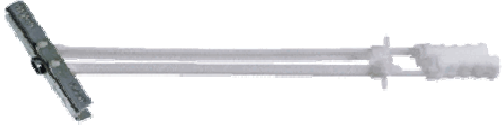
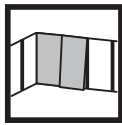


HTB Hollow wall metal anchor

	Anchor version	Benefits
	HTB	<ul style="list-style-type: none"> - Ingenious and strong for hollow base materials - Convincing simplicity when setting - Technical superiority with up to 92mm fixing thickness - Load carried by strong metal channel and screw



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
- Minimum base material thickness

Characteristic resistance

Anchor size		M5 / M6
Gypsum board Thickness 10 mm	N_{Rk} [kN]	0,75
	V_{Rk} [kN]	0,45
Gypsum board Thickness 12,5 mm	N_{Rk} [kN]	1,20
	V_{Rk} [kN]	0,90
Gypsum board Thickness 2x12,5 mm	N_{Rk} [kN]	2,10
	V_{Rk} [kN]	0,90
Fibre reinforced gypsum board Thickness 10 mm	N_{Rk} [kN]	1,20
	V_{Rk} [kN]	1,80
Fibre reinforced gypsum board Thickness 12,5 mm	N_{Rk} [kN]	1,80
	V_{Rk} [kN]	3,00
Hollow decks Cavity to surface thickness $\geq 30,0$ mm	N_{Rk} [kN]	1,50
	V_{Rk} [kN]	-
Hollow brick "Parpaing Creux B40"	N_{Rk} [kN]	1,35
	V_{Rk} [kN]	2,70

Design resistance

Anchor size		M5 / M6
Gypsum board Thickness 10 mm	N_{Rd} [kN]	0,35
	V_{Rd} [kN]	0,21
Gypsum board Thickness 12,5 mm	N_{Rd} [kN]	0,56
	V_{Rd} [kN]	0,42
Gypsum board Thickness 2x12,5 mm	N_{Rd} [kN]	0,98
	V_{Rd} [kN]	0,42
Fibre reinforced gypsum board Thickness 10 mm	N_{Rd} [kN]	0,56
	V_{Rd} [kN]	0,84
Fibre reinforced gypsum board Thickness 12,5 mm	N_{Rd} [kN]	0,84
	V_{Rd} [kN]	1,40
Hollow decks Cavity to surface thickness $\geq 30,0$ mm	N_{Rd} [kN]	0,70
	V_{Rd} [kN]	-
Hollow brick "Parpaing Creux B40"	N_{Rd} [kN]	0,63
	V_{Rd} [kN]	1,26

Recommended loads ^{a)}

Anchor size		M5 / M6
Gypsum board Thickness 10 mm	N_{rec} [kN]	0,25
	V_{rec} [kN]	0,15
Gypsum board Thickness 12,5 mm	N_{rec} [kN]	0,40
	V_{rec} [kN]	0,30
Gypsum board Thickness 2x12,5 mm	N_{rec} [kN]	0,70
	V_{rec} [kN]	0,30
Fibre reinforced gypsum board Thickness 10 mm	N_{rec} [kN]	0,40
	V_{rec} [kN]	0,60
Fibre reinforced gypsum board Thickness 12,5 mm	N_{rec} [kN]	0,60
	V_{rec} [kN]	1,00
Hollow decks Cavity to surface thickness $\geq 30,0$ mm	N_{rec} [kN]	0,50
	V_{rec} [kN]	-
Hollow brick "Parpaing Creux B40"	N_{rec} [kN]	0,45
	V_{rec} [kN]	0,90

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

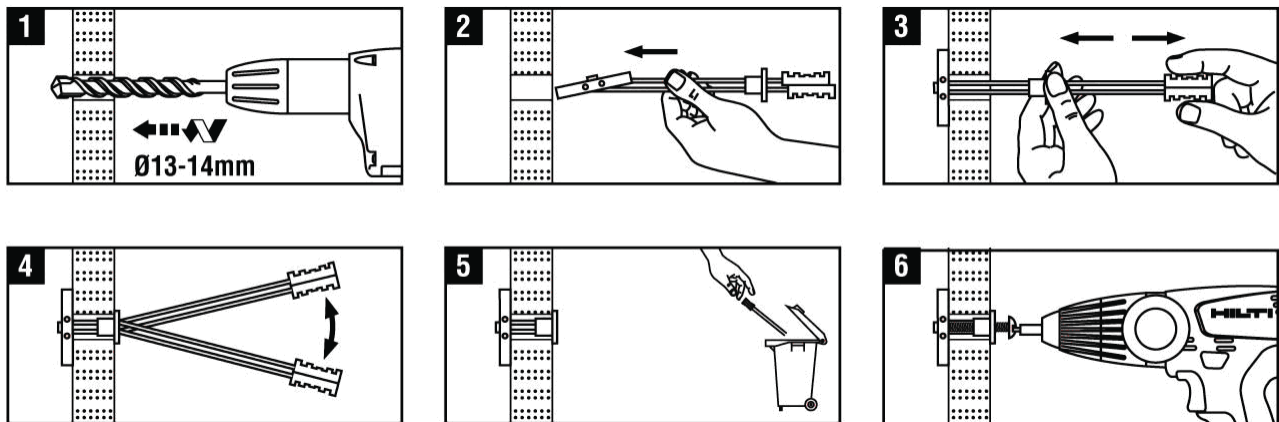
Part	Material
Metal channel	Carbon steel galvanized to 5 microns
Cap washer	Polypropylene copolymer
Legs	High impact polystyrene
Screw	Carbon steel galvanized to 3 microns

Setting

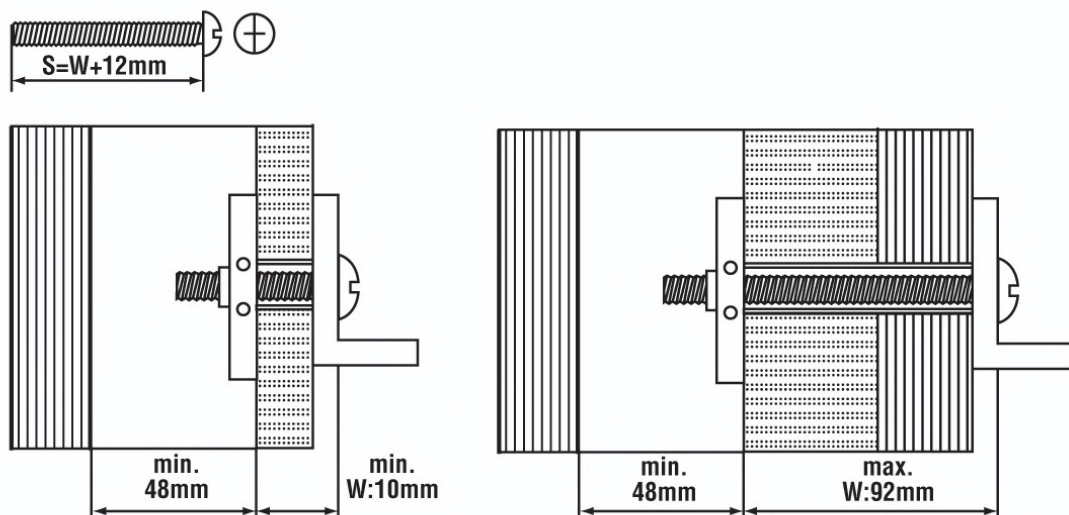
Installation equipment

Anchor size	M5 / M6
Rotary hammer	TE2 ... TE16
Other tools	Screwdriver

Setting instruction



Setting details:



Setting details HTB

Anchor version			M5	M6
Nominal diameter of drill bit	d_o	[mm]	13 - 14	
Thickness of wall and fixture	min	$h + t_{fix}$ [mm]	10	
	max	$h + t_{fix}$ [mm]	92	
Minimum space of cavity	l	[mm]	48	
Screw length	l	[mm]	$12 + h + t_{fix}$	
Screw size	d		M5	M6
Tightening torque	T_{inst}	[Nm]	3	5