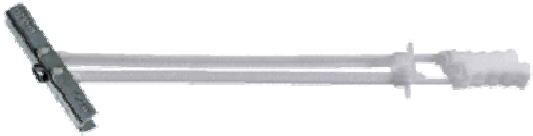
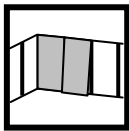


## HTB Hollow wall metal anchor

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



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 <sup>a)</sup>**

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

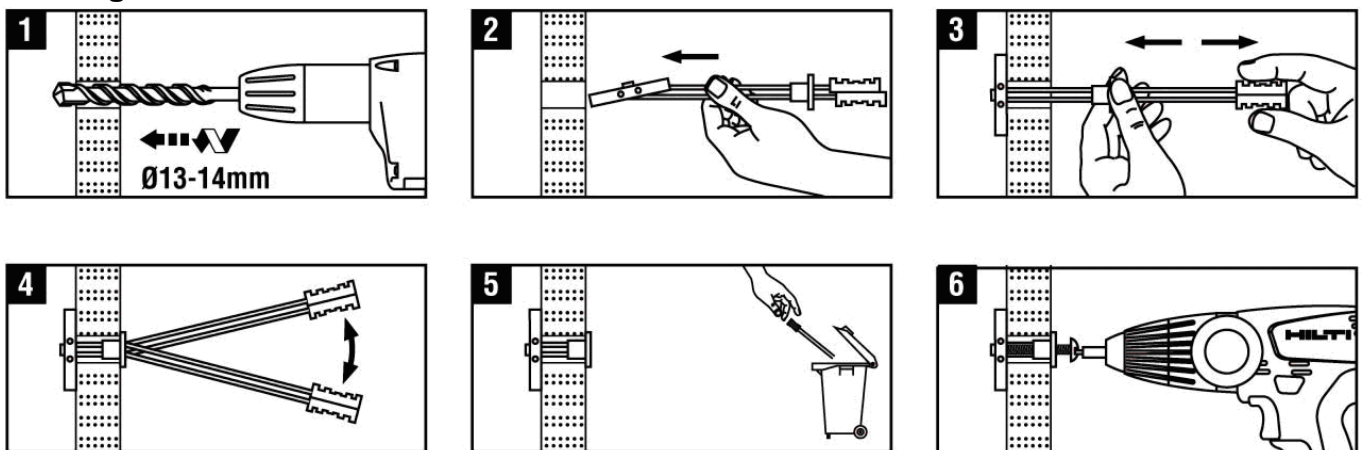
Part	Material
Metal channel	Carbon steel galvanized to 5 microns
Cap washer	Polypropylene copolymer
Legs	High impact polystyrene
Screw	Carbon steel galvanized to 3 microns

## Setting

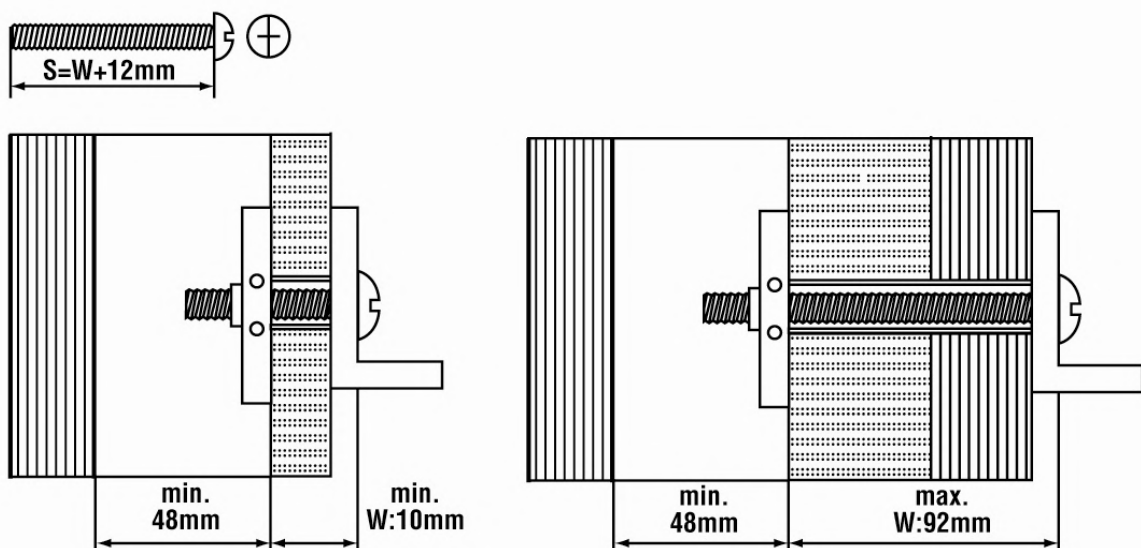
### Installation equipment

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