

Fill&Fix

Recommended loads¹⁾²⁾ for a single anchor.

The given loads are valid for chipboard screws with the specified diameters.

Type			Fill & Fix		
Diameter of chipboard screw	\emptyset	[mm]	4.0	5.0	6.0
Nominal drill diameter	d_0	[mm]	10	10	10
Anchorage depth	$h_{ef} \geq$	[mm]	45	45	45
Drill hole depth	$h_1 \geq$	[mm]	50	50	50
Anchorage in solid substrates					
Recommended load in concrete	\geq C12/15	[kN]	0.50	0.60	0.70
Recommended load in sand-lime bricks	\geq KS 20, \geq NF	[kN]	0.50	0.60	0.70
Anchorage in perforated bricks/hollow blocks using the perforated sleeve					
Recommended load in vertically perforated bricks	\geq HLz 12, $\rho \geq 0.9$ kg/dm ³ , \geq 16DF	[kN]	0.20	0.25	0.30
Recommended load in perforated sand-lime bricks	\geq KSL 12, $\rho \geq 1.4$ kg/dm ³ , \geq 5DF	[kN]	0.20	0.25	0.30
Recommended load in lightweight concrete hollow blocks	\geq Hbl 4, 2K, \geq 8DF	[kN]	0.20	0.25	0.30
Anchorage in aerated concrete					
Recommended load in aerated concrete	\geq PB2, PP2	[kN]	0.10	0.15	0.20
Anchorage in board materials using the perforated sleeve					
Recommended load in gypsum plasterboard	12.5 mm	[kN]	0.12	0.12	0.12
Recommended load in gypsum plasterboard	25 mm (= 2 × 12.5 mm)	[kN]	0.20	0.20	0.20
Recommended load in gypsum fibreboard	12.5 mm	[kN]	0.21	0.21	0.21

¹⁾ Required safety factors are considered.

²⁾ Valid for tensile load, shear load and oblique load under any angle.