

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 | \varnothing | [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.