

Loads

Expansion plug SX Green

Highest recommended loads¹⁾ for a single anchor.

The given loads are valid for wood screws with the specified diameter.

Type		SX Green 5 x 25	SX Green 6 x 30 SX Green 6 x 50	SX Green 8 x 40 SX Green 8 x 65	SX Green 10 x 50	SX Green 12 x 60
Wood screw diameter	[mm]	4	5	6	8	10
Min. edge distance concrete c_{min}	[mm]	25	35	40	50	65
Recommended loads in the respective base material F_{rec}²⁾						
Concrete \geq C20/25	[kN]	0.30	0.65	0.70	1.20	1.70
Solid brick \geq Mz 12	[kN]	0.25	0.30	0.60	0.65	0.70
Solid sand-lime brick \geq KS 12	[kN]	0.30	0.50	0.60	1.20	1.70
Aerated concrete \geq AAC 2 (G2)	[kN]	0.03	0.03	0.04	0.09	0.14
Aerated concrete \geq AAC 4 (G4)	[kN]	0.09	0.09	0.14	0.30	0.45
Vertically perforated brick \geq Hlz 12 ($\rho \geq 1.0$ kg/dm ³)	[kN]	0.07	0.07	0.17	0.17	0.26
Perforated sand-lime brick \geq KSL 12	[kN]	0.17	0.30	0.35	0.30	0.35
Gypsum block	[kN]	-	-	0.26	0.37	1.00

¹⁾ Required safety factors are considered.

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