

Expansion plug SX

Highest recommended loads¹⁾ for a single anchor.

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

Type		SX 4 x 20	SX 5 x 25	SX 6 x 30 SX 6 x 50	SX 8 x 40 SX 8 x 65	SX 10 x 50	SX 10 x 80	SX 12 x 60	SX 14 x 70	SX 16 x 80
Wood screw diameter	[mm]	3	4	5	6	8	8	10	12	12
Min. edge distance concrete c_{min}	[mm]	20	25	35	40	50	50	65	100	120
Recommended loads in the respective base material F_{rec}²⁾										
Concrete \geq C20/25	[kN]	0.16	0.30	0.65	0.70	1.20	1.20	1.70	2.00	2.60
Solid brick \geq Mz 12	[kN]	0.11	0.25	0.30	0.60	0.65	1.20	0.70	0.80	0.90
Solid sand-lime brick \geq KS 12	[kN]	0.17	0.30	0.50	0.60	1.20	1.20	1.70	2.00	2.60
Aerated concrete \geq AAC 2 (G2)	[kN]	0.03	0.03	0.03	0.04	0.09	0.20	0.14	0.30	0.40
Aerated concrete \geq AAC 4 (G4)	[kN]	0.07	0.09	0.09	0.14	0.30	0.60	0.45	0.50	0.60
Vertically perforated brick \geq Hlz 12 ($\rho \geq 1.0 \text{ kg/dm}^3$)	[kN]	0.13	0.07	0.07	0.17	0.17	0.50	0.26	0.40	0.60
Perforated sand-lime brick \geq KSL 12	[kN]	0.15	0.17	0.30	0.35	0.30	0.80	0.35	0.30	0.40
Gypsum block	[kN]	-	-	-	0.26	0.37	-	1.00	1.00	-

¹⁾ Required safety factors are considered.

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