



Loads

Expansion plug SX Plus

Recommended loads¹⁾ for a single anchor.

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

Type		SX Plus 4x20	SX Plus 5x25	SX Plus 6x30	SX Plus 6x50	SX Plus 8x40	SX Plus 8x65	SX Plus 10x50	SX Plus 10x80	SX Plus 12x60	SX Plus 14x70
Wood screw diameter	[mm]	3.0	4.0	5.0	5.0	6.0	6.0	8.0	8.0	10.0	12.0
Min. edge distance in concrete	C _{min} [mm]	20	25	35	35	40	50	50	65	65	100
Recommended loads in the respective base material F _{rec} ²⁾											
Concrete	≥ C20/25	[kN] 0.20	0.35	0.65	1.30	0.75	1.50	1.40	2.90	2.40	3.50
Solid brick	≥ Mz 12	[kN] 0.15	0.27	0.35	0.50	0.60	0.80	1.00	1.40	1.25	1.30
Solid sand-lime brick	≥ KS 12	[kN] 0.20	0.35	0.65	1.30	0.75	1.50	1.40	2.90	2.40	3.50
Aerated concrete	≥ AAC 2	[kN] 0.03	0.03	0.07	0.12	0.10	0.15	0.18	0.28	0.22	0.35
Aerated concrete	≥ AAC 4	[kN] 0.10	0.15	0.20	0.35	0.30	0.40	0.50	0.90	0.80	1.00
Perforated sand-lime brick	≥ KSL 12	[kN] 0.18	0.25	0.30	0.35	0.40	0.80	0.45	1.50	0.70	1.00
Vertically perforated brick	≥ HLz 12, Doppio UNI 19	[kN] 0.13	0.13	0.15	0.17	0.25	0.40	0.25	0.50	0.35	0.40
Vertically perforated brick	Forato Type F8	[kN] 0.08 ³⁾	0.08 ³⁾	0.10 ³⁾	-	0.10 ³⁾	-	0.12 ³⁾	-	-	-
Light-weight concrete hollow block	Sepa Parpaing	[kN] 0.15	0.20	0.25	0.30 ³⁾	0.25	0.30 ³⁾	0.35	0.40 ³⁾	0.50 ³⁾	0.50 ³⁾

¹⁾ Required safety factors are considered. Valid for installation and use in dry base material for temperatures in the substrate up to +24 °C (resp. short term up to +40 °C).

²⁾ Valid for tension, shear and combined tension and shear load.

³⁾ Load determination on plastered wall.