

Expansion plug SX Plus GreenLine

Recommended loads¹⁾ for a single anchor.

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

Type		SX Plus GreenLine 5x25	SX Plus GreenLine 6x30	SX Plus GreenLine 6x50	SX Plus GreenLine 8x40	SX Plus GreenLine 8x65	SX Plus GreenLine 10x50	SX Plus GreenLine 12x60
Wood screw diameter	[mm]	4	5	5	6	6	8	10
Min. edge distance in concrete c_{min}	[mm]	25	35	35	40	50	50	65
Recommended loads in the respective base material $F_{rec}^{2)}$								
Concrete $\geq C20/25$	[kN]	0.35	0.65	1.30	0.75	1.50	1.40	2.40
Solid brick $\geq Mz 12$	[kN]	0.27	0.35	0.50	0.60	0.80	1.00	1.25
Solid sand-lime brick $\geq KS 12$	[kN]	0.35	0.65	1.30	0.75	1.50	1.40	2.40
Aerated concrete $\geq AAC 2$	[kN]	0.03	0.07	0.12	0.10	0.15	0.18	0.22
Aerated concrete $\geq AAC 4$	[kN]	0.15	0.20	0.35	0.30	0.40	0.50	0.80
Perforated sand-lime brick $\geq KSL 12$	[kN]	0.25	0.30	0.35	0.40	0.80	0.45	0.70
Vertically perforated brick $\geq HLz 12$, Doppio UNI 19	[kN]	0.13	0.15	0.17	0.25	0.40	0.25	0.35
Vertically perforated brick Forato Type F8	[kN]	0.08 ³⁾	0.10 ³⁾	-	0.10 ³⁾	-	0.12 ³⁾	-
Light-weight concrete hollow block Sepa Parpaing	[kN]	0.20	0.25	0.30 ³⁾	0.25	0.30 ³⁾	0.35	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.