

# LOADS

## Expansion plug SX GREEN

Highest recommended loads<sup>1)</sup> 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 <sub>min</sub> [mm]	25	35	40	50	65
<b>Recommended loads in the respective base material F<sub>rec</sub><sup>2)</sup></b>						
Concrete	≥ C20/25 [kN]	0,30	0,65	0,70	1,20	1,70
Solid brick	≥ Mz 12 [kN]	0,25	0,30	0,60	0,65	0,70
Solid sand-lime brick	≥ KS 12 [kN]	0,30	0,50	0,60	1,20	1,70
Aerated concrete	≥ AAC 2 [kN]	0,03	0,03	0,04	0,09	0,14
Aerated concrete	≥ AAC 4 [kN]	0,09	0,09	0,14	0,30	0,45
Vertically perforated brick	≥ Hz 12 (ρ ≥ 1.0 kg/dm <sup>3</sup> ) [kN]	0,07	0,07	0,17	0,17	0,26
Perforated sand-lime brick	≥ KSL 12 [kN]	0,17	0,30	0,35	0,30	0,35
Gypsum block	[kN]	-	-	0,26	0,37	1,00

<sup>1)</sup> Required safety factors are considered.

<sup>2)</sup> Valid for tensile load, shear load and oblique load under any angle.