

# LOADS

## Expansion plug SX

Highest recommended loads<sup>1)</sup> 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 <sub>min</sub>	[mm]	20	25	35	40	50	50	65	100	120
<b>Recommended loads in the respective base material F<sub>rec</sub><sup>2)</sup></b>											
Concrete	≥ C20/25	[kN]	0,16	0,30	0,65	0,70	1,20	1,20	1,70	2,00	2,60
Solid brick	≥ 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	≥ KS 12	[kN]	0,17	0,30	0,50	0,60	1,20	1,20	1,70	2,00	2,60
Aerated concrete	≥ AAC 2	[kN]	0,03	0,03	0,03	0,04	0,09	0,20	0,14	0,30	0,40
Aerated concrete	≥ AAC 4	[kN]	0,07	0,09	0,09	0,14	0,30	0,60	0,45	0,50	0,60
Vertically perforated brick	≥ Hlz 12 (ρ ≥ 1.0 kg/dm <sup>3</sup> )	[kN]	0,13	0,07	0,07	0,17	0,17	0,50	0,26	0,40	0,60
Perforated sand-lime brick	≥ 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	-

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

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