

# Loads

## Frame fixing SXR

Recommended loads<sup>1)2)3)</sup> for a single anchor as part of a multiple fixing of non-structural systems.  
The given loads are valid for wood screws with the specified diameter.

Type		SXR 6	SXR 8
Screw diameter		[mm] 4.5	6.0
Anchorage depth	$h_{nom}$	[mm] 30	50
Minimum edge distance concrete	$c_{min}$	[mm] 50	60
<b>Recommended loads in the respective base material <math>F_{rec}^{2)}</math></b>			
Concrete	$\geq C20/25$	[kN] 0.25	0.40
Solid brick	$\geq Mz 12$	[kN] 0.20	0.30
Solid sand-lime brick	$\geq KS 12$	[kN] 0.20	0.30
Vertically perforated brick	$\geq HLz 12; \rho \geq 1.0 [kg/dm^3]$	[kN] 0.10	0.10
Perforated sand-lime brick	$\geq KSL 12$	[kN] 0.20	0.30

<sup>1)</sup> 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).

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

<sup>3)</sup> Valid for zinc coated screws (g vz) and for screws made of stainless steel (R). For exterior use of the zinc coated screws measures against incoming humidity have to be taken.