

LOADS

Heavy-duty anchor SL M

zinc plated steel / stainless steel

Recommended loads^{1) 3)} of a single anchor in non-cracked normal concrete (concrete compression zone) of strength class C20/25.

Type	Effective anchorage-depth	Min. member thickness	Torque-moment	Recommended load	Char. spacing	Char. edge distance	Min. spacing	Min. edge distance
	h_{ef} [mm]	h_{min} [mm]	T_{inst} [Nm]	$F_{rec}^{2)}$ [kN]	$s_{cr,N}$ [mm]	$c_{cr,N}$ [mm]	$s_{min}^{4)}$ [mm]	$c_{min}^{4)}$ [mm]
SL M 8 N A4	45	100	25	3,5	135	68	50	90
SL M 10 N A4	50	100	50	5,0	150	75	50	100
SL M 16 gvz	62	130	100	8,0	186	93	60	120
SL M 20 gvz	77	150	150	11,0	231	116	80	160
SL M 24 gvz	90	200	200	13,9	270	135	90	180

¹⁾ Required safety factors are considered.

²⁾ Valid for tensile load, shear load and oblique load under any angle.

³⁾ Valid for screws with grade 8.8 and A4-70

⁴⁾ Minimum possible axial spacings resp. edge distance while reducing the recommended load.