

Installation parameters

SLA S/B/C Thread		M8	M10	M12	M16
Torque	T_{inst} [Nm]	20	45	80	150
SLA S/B width across flats	SW [mm]	13	17	19	24
SLA C internal hexagon	[mm]	6	8	–	–
Ø of clearance hole in fixture	d_f [mm]	14	17	20	26

Loads, spacing and edge distance

Type	Thread	Cracked concrete ^{1),2)} C20/25		Non-cracked concrete ^{1),2)} C20/25		Permissible bending moment M_{per} [Nm]	Spacing		Edge distance		Min thickness of structural part h_{min} [mm]
		Tension N_{per} [kN]	Shear V_{per} [kN]	Tension N_{per} [kN]	Shear V_{per} [kN]		S_{cr} [mm]	S_{min} [mm]	C_{cr} [mm]	C_{min} [mm]	
SLA 12	M8	5,7	7,8	10,9	10,9	17	177	60	89	60	120
SLA 15	M10	7,6	18,8	13,2	24,0	34	201	70	101	70	140
SLA 18	M12	11,9	28,3	19,8	28,6	60	264	80	132	80	180
SLA 24	M16	16,9	33,8	23,6	47,4	152	297	100	149	100	200

¹⁾ Permissible loads for single anchor without influence of spacing and edge distance.

²⁾ Load values include the resistances' partial safety factors as per approval and a partial safety factor on the action of $\gamma_F = 1.4$.

For higher concrete strengths the values N_{per} increase by max. 55% ($N_{per, C50/60} = 1,55 \times N_{per, C20/25}$).

If underrun the char. space or edge distance (C_{cr} or S_{cr}) the loads must be reduced. h_{min} , S_{min} and C_{min} shall not remain under the given minimum values.