

Injection system FIS V Zero with threaded rod FIS A or RG M in Aerated concrete.

Recommended loads¹⁾²⁾ for a single anchor in Aerated concrete for pre-positioned installation.

	Compressive brick strength	Brick raw density	Minimum effective anchorage depth	Minimum member thickness	Maximum Installation torque	Recommended tensile load	Recommended shear load	Minimum spacing ³⁾	Characteristic resp. minimum edge distance ³⁾
Type	f_b [N/mm ²]	ρ [kg/dm ³]	h_{ef} [mm]	h_{min} [mm]	$T_{inst,max}$ [Nm]	N_{rec} [kN]	V_{rec} [kN]	$s_{min} \parallel / s_{min-L}$ [mm]	$c_{cr} = c_{min}$ [mm]
Aerated concrete acc. to EN 771-4									
M8	≥ 2	≥ 0.35	100	130	4	0.21	0.54	100 / 100	100
M8	≥ 4	≥ 0.50	100	130	4	0.43	0.89	100 / 100	100
M8	≥ 6	≥ 0.65	100	130	4	0.54	1.25	100 / 100	100
M10	≥ 2	≥ 0.35	100	130	4	0.36	0.54	100 / 100	100
M10	≥ 4	≥ 0.50	100	130	4	0.36	0.71	100 / 100	100
M10	≥ 6	≥ 0.65	100	130	4	0.43	0.89	100 / 100	100
M12	≥ 2	≥ 0.35	100	130	4	0.36	0.54	100 / 100	100
M12	≥ 4	≥ 0.50	100	130	4	0.43	0.89	100 / 100	100
M12	≥ 6	≥ 0.65	100	130	4	0.54	1.07	100 / 100	100
M16	≥ 2	≥ 0.35	100	130	4	0.21	0.54	100 / 100	100
M16	≥ 4	≥ 0.50	100	130	4	0.32	0.71	100 / 100	100
M16	≥ 6	≥ 0.65	100	130	4	0.36	0.89	100 / 100	100

¹⁾ The required partial safety factors for material resistance as well as a partial safety factor for load actions of $\gamma_L = 1.4$ are considered. Load values are valid for zinc-plated steel gvz, stainless steel R and highly corrosion-resistant steel HCR.

²⁾ The given loads are valid for installation and use of fixations in dry masonry - use category d/d - for temperatures in the substrate up to 50 °C (resp. short term up to 80 °C), drilling and cleaning of boreholes according to installation instructions.

³⁾ Minimum feasible spacing resp. edge distance.