

Loads

Aerated concrete plug FFA

Recommended loads¹⁾ for a single anchor in aerated concrete and gypsum blocks.

The given loads are valid for screws with the specified diameter and metric screws with the specified thread size.

Type			FFA 8		FFA 10		FFA 14	
Screw diameter		[mm]	6.0	M5	6.0	M6	10.0	M8
Min. edge distance	c_{min}	[mm]	100	100	150	150	200	200
Recommended load in the respective base material $F_{empf}^{2)}$								
Aerated concrete	AAC 2 $\geq 2.5 \text{ N/mm}^2$	[kN]	0.24	0.19	0.26	0.23	0.44	0.37
Aerated concrete	AAC 4 $\geq 5.0 \text{ N/mm}^2$	[kN]	0.51	0.35	0.56	0.56	0.90	0.67
Aerated concrete	AAC 6 $\geq 7.5 \text{ N/mm}^2$	[kN]	0.71	0.55	0.88	0.87	1.52	0.74
Gypsum block	$\rho \geq 0.85 \text{ kg/dm}^3$	[kN]	0.54	0.41	0.61	0.72	0.98	0.63

¹⁾ 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).

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