

LOADS

Aircrete anchor GB GREEN

Highest recommended loads¹⁾ for a single anchor in aerated concrete.

The given loads are valid for fischer safety screws⁴⁾ acc. attached table.

Type			GB GREEN 8	GB GREEN 10
Diameter fischer safety screw	∅	[mm]	5	7
Min. spacing ⁶⁾	smin	[mm]	150 (100) ⁷⁾	100
Min. edge distance ²⁾	cmin	[mm]	100 (75) ⁷⁾	100
Minimum member thickness	hmin	[mm]	75	120
Anchorage depth	hef (hv)	[mm]	50	55
Recommended load in the respective base material F_{rec}³⁾				
Aerated concrete	AAC 2	[kN]	0,20	0,21
Aerated concrete	AAC 3	[kN]	0,30	0,32 (0,43) ⁵⁾
Aerated concrete	AAC 4	[kN]	0,40	0,54 (0,71) ⁵⁾

¹⁾ Required safety factors are considered.

²⁾ Minimum possible edge distance.

³⁾ Valid for tensile load, shear load and oblique load under any angle.

⁴⁾ Galvanised steel (gvz) and stainless steel A4.

⁵⁾ The values in brackets are decisive for member thickness ≥ 150 mm.

⁶⁾ Minimum possible axial spacing while reducing the recommended load.

⁷⁾ Values in brackets apply to AAC 2.