

Aircrete anchor GB

Highest permissible, respectively recommended loads^{1) 2)} for a single anchor in aerated concrete.
The given loads are valid for fischer safety screws⁴⁾ acc. to selection table.

Type			GB 10 ²⁾	GB 8 ⁹⁾	GB14 ⁹⁾
Diameter fischer safety screw	Ø	[mm]	7	5	10
Min. spacings ⁶⁾	smin	[mm]	100	150 (100) ⁸⁾	300 (200) ⁸⁾
Min. edge distance ⁷⁾	cmin	[mm]	100	100 (75) ⁸⁾	200 (150) ⁸⁾
Minimum member thickness	hmin	[mm]	120	75	200
Anchorage depth	hef (hv)	[mm]	55	50	75
Load in the respective base material			Permissible loads F _{perm} ³⁾	Recommended loads F _{rec} ³⁾	
Aerated concrete	AAC 2	[kN]	0,21	0,20	0,40
Aerated concrete	AAC 3	[kN]	0,32 (0,43) ⁵⁾	0,30	0,80
Aerated concrete	AAC 4	[kN]	0,54 (0,71) ⁵⁾	0,40	0,90

1) Required safety factors are considered.
2) In case of the design of the GB 10 for tension, shear and bending the complete approval Z-21.2-123 has to be considered.
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 permissible load.
7) Minimum possible edge distance.
8) Values in brackets apply to AAC 2.
9) GB 8 and GB 14 are not part of the approval.