Aerated concrete plug GB

Advantages

- Specialised plug with excellent pull out loads in aerated concrete
- Once the screw has been screwed in, the expansion force is transferred over three flanks optimally by developing a type of undercut
- All CELO aerated concrete plugs can also be hammered into a smaller drill hole in AAC4 aerated concrete; generally even without pre-drilling in AAC2
- The GB should be used together with wood screws

Suitable building materials

Very suitable

- Aerated concrete
- Gypsum blocks

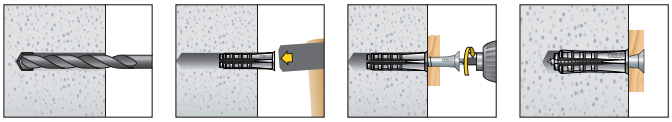
Approvals and certificates

BEST NYLON QUALITY

MADE IN GERMANY

HALOGEN FREE

Mounting



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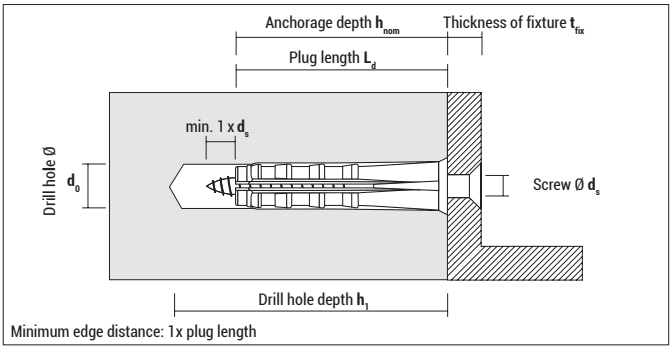

GB

Type	Art-No	d_0* [mm]	$h_1 \geq$ [mm]	$h_{nom} \geq$ [mm]	L_d [mm]	d_s [mm]	€ / 100 pcs	[pcs]	[pcs]
GB 10	910GB	10	65	55	55	4,5 - 6		25	675
GB 12	912GB	12	70	60	60	7 - 8		20	540
GB 14	914GB	14	90	75	75	10		10	270

* All GB sizes can be hammered into a smaller drill hole when used in aerated concrete AAC4, in AAC2 usually without pre-drilling

Blister GB without screw

Type	Art-No	d_0* [mm]	$h_1 \geq$ [mm]	$h_{nom} \geq$ [mm]	L_d [mm]	d_s [mm]	€ / Blister	[pcs]	[Blister]
GB 10	510GB4	10	65	55	55	4,5 - 6		4	10
GB 12	512GB4	12	70	60	60	7 - 8		4	10

* All GB sizes can be hammered into a smaller drill hole when used in aerated concrete AAC4, in AAC2 usually without pre-drilling

Loads F_{rec}

Type	Wood screw-Ø [mm]	Aerated concrete AAC2 F_{rec}[kN]	Aerated concrete AAC4 F_{rec}[kN]
GB 10	6	0,25	0,55
GB 12	7	0,33	0,66
GB 14	10	0,50	1,10

F_{rec}: Recommended loads incl. safety factor of 6

Spacing and edge distance for GB 12 according to former German approval by DIBt

Type	Spacing a ≥		Edge distance $a_r \geq$		Min. thickness of structural part d
	PB2 / AAC2 [mm]	≥ PB4 / AAC4 [mm]	PB2 / AAC2 [mm]	≥ PB4 / AAC4 [mm]	[mm]
GB 12	150	200	100	150	120