

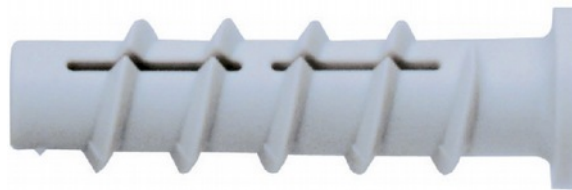
TECHNICAL DATASHEET

GB NYLON anchor for cellular concrete (gasbeton)

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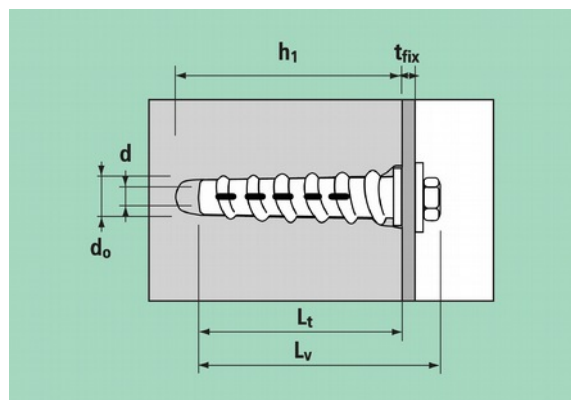
Anchor for supports in cellular concrete (gasbeton) and lightweight concrete

Can be used both with chipboard screw and metric screw



Base material

specific use
cellular concrete
lightweight concrete

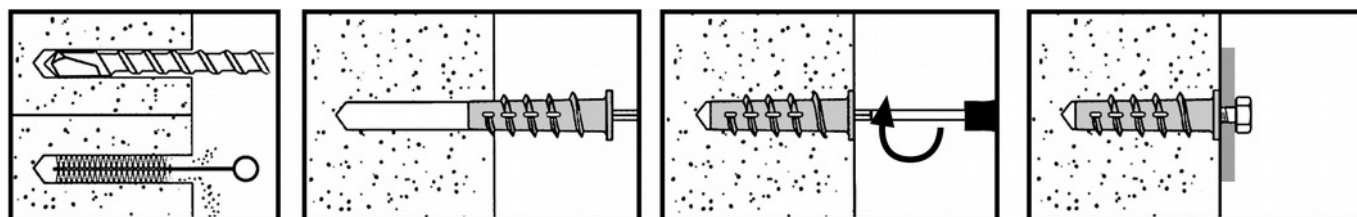


d_0 = hole diameter
 L_t = plug length
 h_1 = minimum hole depth
 h_{nom} = nominal embedment depth
 h_{ef} = effective anchorage depth
 d = screw diameter
 L_v = screw length
 t_{fix} = fixable thickness

$h_{nom} = h_{ef} = L_t$
 $L_v \geq L_t + t_{fix}$

art.	descr	L_t mm	d_0 mm		h_1 mm	d_v mm		Ch (hex key) mm
			cellular concrete	lightweight concrete		chipboard	metric	
HGSB04	GB4	50	8	10	60	4 ÷ 4,5	M4	6
HGSB06	GB6	50	8	10	60	5 ÷ 6	M5	6
HGSB08	GB8	60	10	12	70	7 ÷ 8	M8	8
HGSB10	GB10	70	12	14	80	9 ÷ 10	M10	10

Installation



Materials

part	material	surface
plug	polyamide (Nylon) grey RAL 7035	-

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Strength data

 in daN (1 daN $\approx$ 1 kg)

Characteristic resistance

descr.	cellular concrete	lightweight concrete
GB4	90	90
GB6	110	260
GB8	170	380
GB10	230	550

Appropriate safety factor is recommended (3).

Characteristic resistances derive from tests conducted in G&B Fissaggi's laboratories according to international guidelines. Load values are valid only if installation is performed accurately. Designer is responsible for the choice of size and number of anchors.

Recommended load

descr.	cellular concrete	lightweight concrete
GB4	21	21
GB6	26	62
GB8	40	90
GB10	55	131

Recommended loads include the above mentioned partial safety factor 3 and the further safety factor 1.4.