

TECHNICAL DATA SHEET

BI-FIX bi-component universal plug

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Bi-component plug of universal use

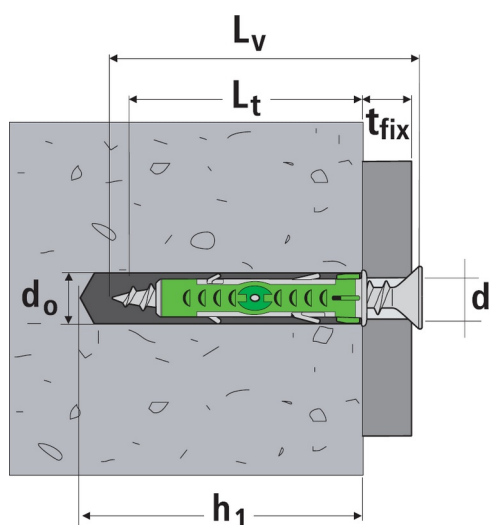
- "2-Components System" technology
- higher resistance and perfect versatility on every support
- high load capacity, maximum fixing security

For non-push-through and push-through installation



Base material

specific use	
concrete	hollow masonry
natural stone	concrete hollow blocks
solid masonry	plasterboard
perforated masonry	AAC



d_0 = plug diameter = 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

non-push-through installation:

$$h_{nom} = h_{ef} = L_t$$

$$L_v \geq L_t + t_{fix}$$

push-through installation:

$$h_{nom} = h_{ef} < L_t$$

$$L_v \geq L_t$$

BI-FIX

art.	desc.	d mm	L _t mm	h ₁ mm	d _v mm	t _{fix} ¹ mm
18100	BF5-27	5	27	35	3 ÷ 4	5
18105	BF6-35	6	35	45	4 ÷ 5	10
18110	BF8-45	8	45	55	4.5 ÷ 6	10
18115	BF10-50	10	50	60	6 ÷ 8	10

¹ push-through use



BI-FIX with chipboard countersunk screw, cross head, white-zinc plated

also available in reusable EASY BOX bucket and self-service BLISTER-PACK packs

art.			desc.	d mm	L _t mm	h ₁ mm	d _v mm	L _v mm	t _{fix} ¹ mm
scatole	EASY BOX	BLISTER PACK							
18120	-	05303	BF5-27	5	27	35	4	30	5
18125	18140	05304	BF6-35	6	35	45	4.5	40	10
18130	18145	05305	BF8-45	8	45	55	5	50	10
18135	-	05306	BF10-50	10	50	60	6	60	10

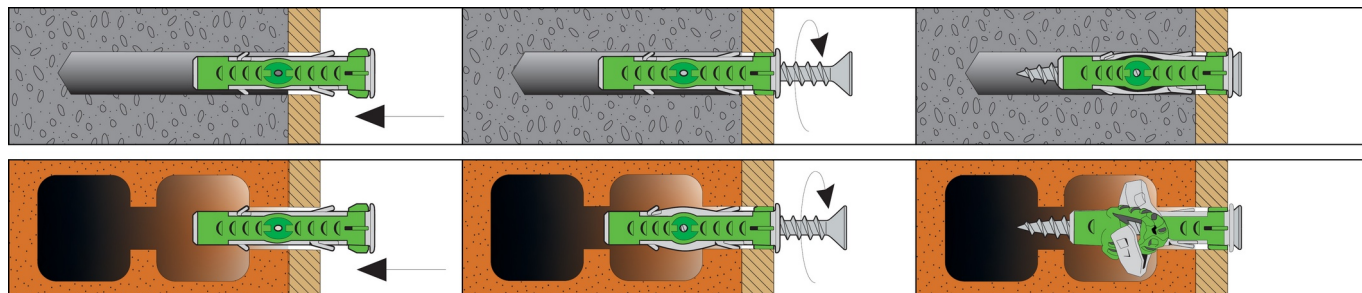
¹ push-through use



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Installation



Strength data

in daN (1 daN \approx 1 kg), valid for chipboard screws in range

Characteristic resistance

descr.	concrete C20/25	solid brick	hollow brick	AAC	plasterboard
BF5-27	150	100	70	30	40
BF6-35	230	120	100	40	70
BF8-45	280	170	130	50	90
BF10-50	410	300	170	100	90

Appropriate safety factor is recommended ($4 \div 5$).

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.	concrete C20/25	solid brick	hollow brick	AAC	plasterboard
BF5-27	27	18	13	5	7
BF6-35	41	21	18	7	13
BF8-45	50	30	23	9	16
BF10-50	73	54	30	18	16

Recommended loads include the above mentioned partial safety factor 4 and the further safety factor 1.4.