

Expandet Super Frame Fixing with long expansion

Expandet Super Frame Fixing with long expansion is especially designed for fixing in porous materials like hollow bricks, aerated concrete, lightweight blocks etc.

Suitable for fixing of door- and window frames, battens etc.

Through fixing.

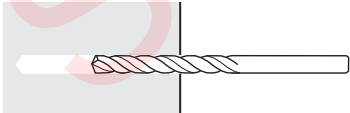


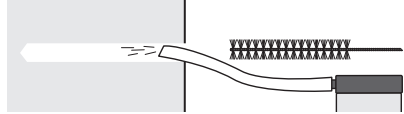
ADVANTAGES

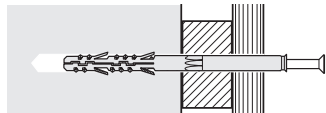
- Developed especially for hollow brick, aerated concrete and lightweight blocks.
- Through fixing.
- High load capacities in low density base-materials.
- No thermal bridge.

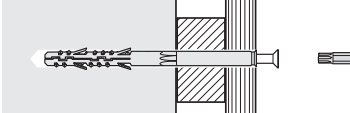


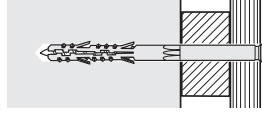
INSTALLATION:

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1] Drill a 10 mm hole through fixture and into the wall. Use HSS-drill in aerated concrete and other solid low density base-materials. In hollow brick, only use rotary drilling
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2] Clean the drilled hole thoroughly
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3] Insert Super Frame Fixing as through fixing
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4] Tighten the screw
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5] The installation is finished

Expandet Super Frame Fixing with long expansion



EXPANDET SUPER FRAME FIXING WITH LONG EXPANSION (Technical Sheet No. 202)

TYPE DIMENSION MM	DRILL DIA. MM	DRILL DEPTH MM	THICKNESS OF FIXTURE (MAX.) MM	EXPANDET ARTICLE NO.	PCS. PER BOX	Part No	EAN 13 PER BOX
10 x 100	10	110	20	581100 L	50	N5L1110100	5708620056357
10 x 115	10	125	35	581115 L	50	N5L1110115	5708620056364
10 x 135	10	145	55	581135 L	50	N5L1110135	5708620056371
10 x 160	10	170	80	581160 L	50	N5L1110160	5708620056388
10 x 200	10	210	120	581200 L	50	N5L1110200	5708620056395

* Replaced by Expandet MFA, 2016

AERATED CONCRETE, LIGHTWEIGHT BLOCKS & HOLLOW BRICK

Type	Load capacities							
	Aerated concrete PP4		Aerated concrete PP2		Leca 3 N/mm ²		Hollow brick 22 N/mm ²	
	Recommended tension load* N _{Rd}	Recommended shear load* V _{Rd}	Recommended tension load* N _{Rd}	Recommended shear load* V _{Rd}	Recommended tension load [◊] N _{Rd}	Recommended shear load [◊] V _{Rd}	Recommended tension load [◊] N _{Rd}	Recommended shear load [◊] V _{Rd}
10 x 100	0,90	1,14	0,47	0,45	0,76	0,74	1,30	1,10
10 x 115	0,90	1,14	0,47	0,45	0,76	0,74	1,30	1,10
10 x 135	0,90	1,14	0,47	0,45	0,76	0,74	1,30	1,10
10 x 160	0,90	1,14	0,47	0,45	0,76	0,74	1,30	1,10
10 x 200	0,90	1,14	0,47	0,45	0,76	0,74	1,30	1,10

* Design resistance is valid for a single anchor in aerated concrete PP4 / PP2 not influenced by edge distance and/or spacing.
PP2: Density 375 kg/m³ with a compressive strength of 2 N/mm².
PP4: Density 535 kg/m³ with a compressive strength of 4 N/mm².

◊ Design resistance is valid for a single anchor in Leca, density 600 kg./mm³, with a compressive strength of minimum 3 N/mm² not influenced by edge distance and/or spacing.

◊ Design resistance is valid for a single anchor in hollow brick with a compressive strength of minimum 22 N/mm² not influenced by edge distance and/or spacing

Combined resistance shall be verified if both tension and shear actions are applied:

$$\left(\frac{N_{sd}}{N_{Rd}} \right) + \left(\frac{V_{sd}}{V_{Rd}} \right) \leq 1,2$$

Partial safety factor for material (γ_m) is included. Partial safety factor for actions (γ_f) must be applied according to national building code.

If no guidance for γ_f exists Expandet recommend a partial safety factor for actions of minimum 1,5.

1 kN ≈ 100 kg.