

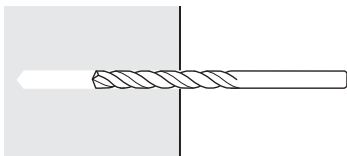


**SUPER WITH LONG EXPANSION**

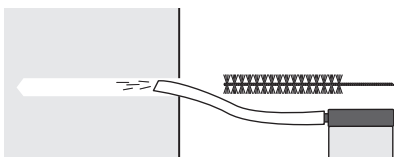
**Installation:**

For fixing in hollow brick, aerated concrete, lightweight blocks and porous walls

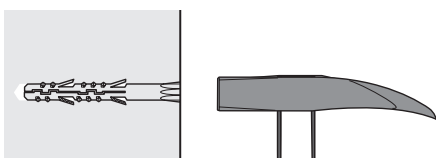
**1** Drill a hole with correct diameter and depth. Use HSS-drill in aerated concrete and other solid low density base-materials. In hollow brick, only use rotary drilling



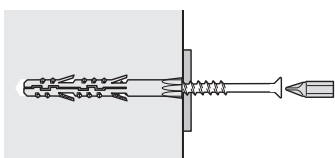
**2** Clean the drilled hole thoroughly



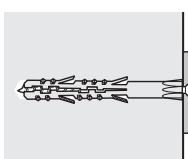
**3** Insert the plug using a hammer - ensuring that the plug is flush with the wall



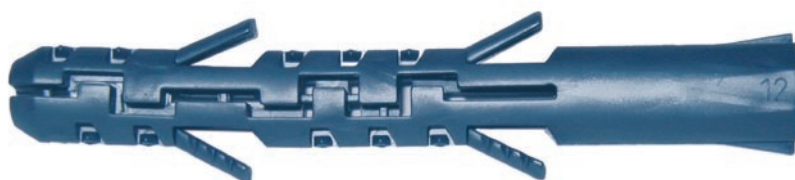
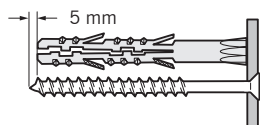
**4** Use screw size as recommended



**5** The installation is finished



**note** Always use a screw which is min. 5 mm longer than the plug + fixture



**Advantages:**

Developed especially for hollow brick, aerated concrete and lightweight blocks. The construction of Expandet Super with long expansion ensures self-centering of the screw. Rotation in the drilled hole is prevented by octagonal neck and strong wings.

**Materialer:**

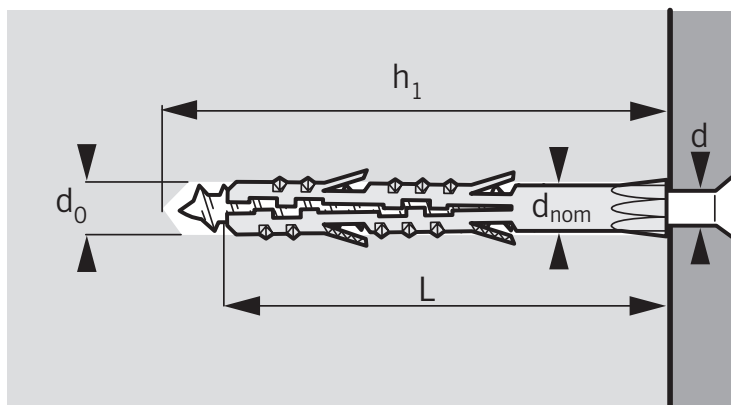
Expandet Super with Long Expansion is made of Nylon (PA6). Withstands temperatures from -40°C til +80°C

**Further information:**

See overleaf



# SUPER WITH LONG EXPANSION



Type	Dimensions				Fixing	
	$d_{nom}$	L	d Chipboard	d Wood	$d_0$	$h_1$
Expandet Super with long expansion	Outside diameter of anchor mm	Anchor length mm	Chipboard-screw diameter mm	Wood-screw diameter mm	Drill hole diameter mm	Depth of drilled hole (Min.) mm
6x55	6	55	4,0-5,0	-	6	65
8x65	8	65	5,5-6,0	6	8	75
10x80	10	80	-	8	10	90
12x95	12	95	-	10	12	105

Type	Load Capacities							
	$N_{rec}$	$V_{rec}$	$N_{rec}$	$V_{rec}$	$N_{rec}$	$V_{rec}$	$N_{rec}$	$V_{rec}$
Expandet Super with long expansion	Aerated concrete PP4		Aerated concrete PP2		Leca 3 N/mm <sup>2</sup>		Hollow brick 22 N/mm <sup>2</sup>	
	Recommended tension load kN*	Recommended shear load kN*	Recommended tension load kN*	Recommended shear load kN*	Recommended tension load kN*	Recommended shear load kN*	Recommended tension load kN <sup>o</sup>	Recommended shear load kN <sup>o</sup>
6x55	0,23	0,45	0,08	0,16	-	-	0,20	0,20
8x65	0,49	0,64	0,23	0,32	0,45	0,50	0,60	0,68
10x80	0,65	0,75	0,28	0,40	0,85	0,65	1,10	0,91
12x95	0,90	1,04	0,52	0,61	1,20	0,80	1,30	1,15

- ♦ Recommended loads are valid for a single anchor in aerated concrete with an edge distance  $\geq 100$  mm, together with largest recommended screw:  
PP2: Density 375 kg./mm<sup>3</sup> with a compressive strength of 2 N/mm<sup>2</sup>.  
PP4: Density 535 kg./mm<sup>3</sup> with a compressive strength of 4 N/mm<sup>2</sup>.  
Safety factor is included ( $\geq 3$ ). 1 kN  $\approx$  100 kg.
- ◊ Recommended loads are valid for a single anchor in Leca, density 600 kg/mm<sup>3</sup>, with a compressive strength of 3 N/mm<sup>2</sup> and an edge distance  $\geq 100$  mm and only together with largest recommended screw.  
Safety factor is included ( $\geq 3$ ). 1 kN  $\approx$  100 kg.
- ◊ Recommended loads are valid for a single anchor in hollow brick with a compressive strength of min. 22 N/mm<sup>2</sup> and an edge distance  $\geq 100$  mm, and only together with largest recommended screw.  
Safety factor is included ( $\geq 3$ ). 1 kN  $\approx$  100 kg.

**Important:** See Expandet's "Principles for fastening" for general information on fastening as well as information on limited liability. (Can be downloaded at [www.expandet.com](http://www.expandet.com))

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Version 06.012

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