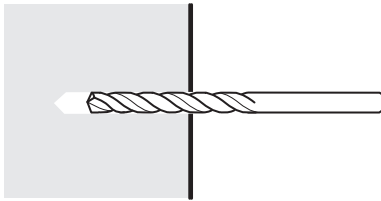


**LB NYLON / LB METAL**

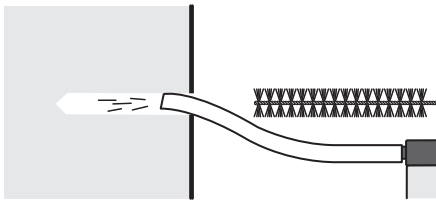
Sådan gør du:

For fixing in aerated concrete, breeze, light blocks, two- and- three-layer plasterboards

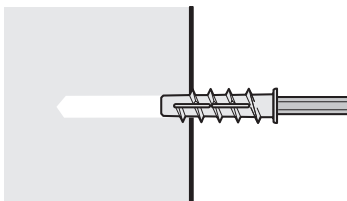
**1** Drill a hole in correct diameter and depth



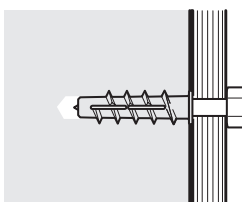
**2** Clean the drilled hole thoroughly



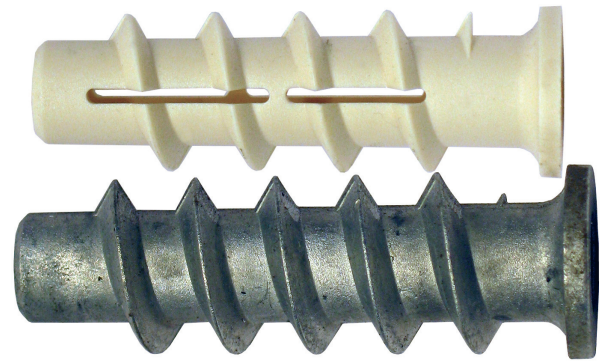
**3** Fix LB into the drilled hole until it is flush with wall. Use setting tool or power tool with hexagon key. Fixture is fastened with screw into LB



**4** The installation is finished



**note** Use smallest recommended drill size in plasterboards



**Avantages:**

Suitable for two- and three-layer plasterboards.  
 LB Metal is suitable for fire resistant fixing.  
 LB Nylon can be used with woodscrew or metric screw.

**Materials:**

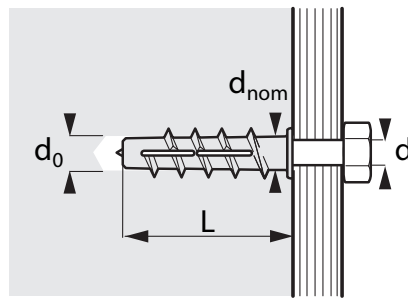
Expandet LB Nylon is produced of Nylon (PA6).  
 Withstands temperatures from -40°C to +80°C  
 Expandet LB Metal is produced in AlZn.

**Accessories:**

Setting tool.  
 Setting tool for power tool.

**Further information:**

See overleaf.

**LB NYLON / LB METAL**


Type	Dimensions		Fixing			
	$d_{nom}$	L	$d_0$		$d_{wood}$	$d_{metric}$
Expandet LB Nylon LB Metal*	Outside diameter of anchor mm	Anchor length mm	Drill hole diameter $\diamond$ mm	Hexagon key mm	Woodscrew mm	Machinescrew mm
LB4 $\diamond$	10	50	10	10	4,0-4,5	-
LB6	10	50	10	10	5,0-6,0	M 6
LB8	12	60	12	12	8,0	M 8
LB10	14	70	14-15	14	10,0	M10

- ♦ LB Metal can only be used with metric screw.
- ◊ LB4 only available in Nylon.
- ◊ Drill diameter can vary in relation to density of aerated concrete.

Type	Load Capacities			
	$C_{min}$	$S_{min}$	$F_{Rd}$	$F_{Rd}$
Expandet LB Nylon	Minimum edge distance mm	Minimum spacing mm	<b>Aerated concrete PP4</b> $\nabla$ Design resistance kN	<b>Aerated concrete PP2</b> $\nabla$ Design resistance kN
LB4	100	100	0,43	0,21
LB6	100	100	0,43	0,21
LB8	100	150	0,80	0,43
LB10	100	150	0,92	0,64

$\nabla$  Design resistance for LB Nylon is valid for a single anchor independent of load direction together with largest recommended screw in aerated concrete PP4 (535 kg/m<sup>3</sup>, 4 N/mm<sup>2</sup>) not influenced by edge distance and/or spacing.

$\nabla$  Design resistance for LB Nylon is valid for a single anchor independent of load direction together with largest recommended screw in aerated concrete PP2 (375 kg/m<sup>3</sup>, 2 N/mm<sup>2</sup>) not influenced by edge distance and/or spacing.

Partial safety factor for material ( $\gamma_m$ ) is included. Partial safety factor for actions ( $\gamma_t$ ) must be applied according to national building code.

Type	Load Capacities					
	$C_{min}$	$S_{min}$	$N_{Rd}$	$V_{Rd}$	$N_{Rd}$	$V_{Rd}$
Expandet LB Metal	Minimum edge distance mm	Minimum spacing mm	<b>Aerated concrete PP4</b> $\nabla$ Design resistance Tension kN      Shear kN		<b>Aerated concrete PP2</b> $\nabla$ Design resistance Tension kN      Shear kN	
LB6	100	100	0,60	0,91	0,29	0,56
LB8	100	150	0,90	0,97	0,43	0,66
LB10	100	150	0,92	1,10	0,64	0,71

$\nabla$  Design resistance is valid for a single anchor together with largest recommended screw in aerated concrete PP4 (535 kg/m<sup>3</sup>, 4 N/mm<sup>2</sup>) not influenced by edge distance and/or spacing.

$\nabla$  Design resistance is valid for a single anchor together with largest recommended screw in aerated concrete PP2 (375 kg/m<sup>3</sup>, 2 N/mm<sup>2</sup>) not influenced by edge distance and/or spacing.

Partial safety factor for material ( $\gamma_m$ ) is included. Partial safety factor for actions ( $\gamma_t$ ) must be applied according to national building code.