

W-LX-M Concrete Screws

Product overview

The W-LX-M concrete screws are characterised by versatility, quick and easy installation and high load capacity in cracked and non-cracked concrete. The W-LX-M screw has a male connection thread with an SW10 hexagon drive.



ETA Option 1
ETA-21/0612

ETA ETAG001 Part 6
ETA-21/0613



Fire Resistance
R120

Material
Steel, zinc plated



Features and benefits

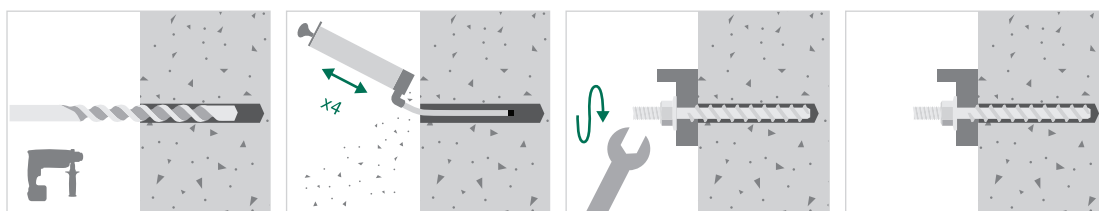
- ETA Option 1 approval for cracked and non-cracked concrete
- ETA ETAG001 Part 6 approval for multiple use for non-structural applications
- Simple and quick installation procedure
- Approved for use in precast prestressed hollow core slabs
- Up to 3 anchoring depths provide maximum installation flexibility
- Reduced edge and anchor spacing distances
- Fire resistance class R30-R120 for design of anchorages under exposure to fire
- High load capacity
- Pre-installation and through-fixing

Substrate type

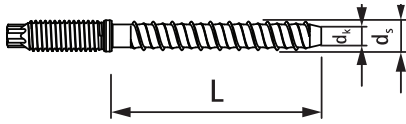
- Non-cracked concrete
- Cracked concrete
- Precast prestressed hollow core slabs



Installation guide



Product information



Part No.	Description	Anchor Size	d_k (mm)	d_s (mm)	L (mm)	Box qty (pcs)	Outer box qty (pcs)
62434304	W-LX-M 6x35	6x35	6	7.6	35	100	25600
62434305	W-LX-M 6x55	6x55	6	7.6	55	100	25600

Recommended loads*

Option 1 ETA-21/0612 – Single anchors in cracked and non-cracked concrete

Recommended tension load in C20/25 concrete

Part No.	Description	Cracked	Non-cracked
		N_{rec} (kN)	N_{rec} (kN)
62434305	W-LX-M 6x55	3.33	5.71

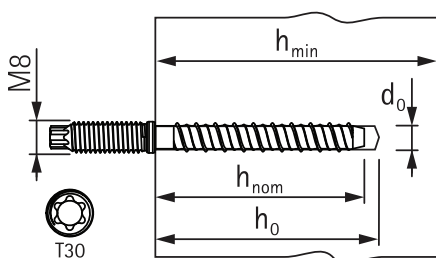
ETAG001 Part 6 ETA-21/0613 – Multiple use for non-structural applications

Recommended tension load in C20/25 concrete

Part No.	Description	Cracked	Non-cracked
		N_{rec} (kN)	N_{rec} (kN)
62434304	W-LX-M 6x35	1.42	1.42
62434305	W-LX-M 6x55	4.28	4.28

*Recommended loads: apply to correctly installed anchors at maximum embedment depth; include partial safety factor and an overall partial safety factor for action of 1.4. The partial safety factor for action depends on the type of loading and shall be taken from national regulations. All anchor failure modes and the entire relevant product European Technical Assessment must be considered for anchor design.

Installation data



Part No.	Description	d_0 (mm)	$\geq h_0$ (mm)	h_{min} (mm)	h_{nom} (mm)	C_{min} (mm)	S_{min} (mm)	$t_{fix,max}$ (mm)
62434305*	W-LX-M 6x55	6	65	100	h_{nom} 55	45	40	5
62434304**	W-LX-M 6x35	6	45	80	h_{nom} 35	45	45	5
62434305***	W-LX-M 6x55	6	65	100	h_{nom} 55	45	40	5

Installation data provided according to *ETAG001 Part 6 ETA-21/0612; **Option 1 ETA-21/0613, reduced embedment depth. ***Option 1 ETA-21/0613, reduced embedment depth.