

W-LX-H Concrete Screws

Product overview

The W-LX-H concrete screws are characterised by versatility, quick and easy installation and high load capacity in cracked and non-cracked concrete. The W-LX-H screw has a hexagon head with a washer. It is zinc-flake coated for improved corrosion resistance.



ETA Option 1
ETA-21/0612

ETA ETAG001 Part 6
ETA-21/0613



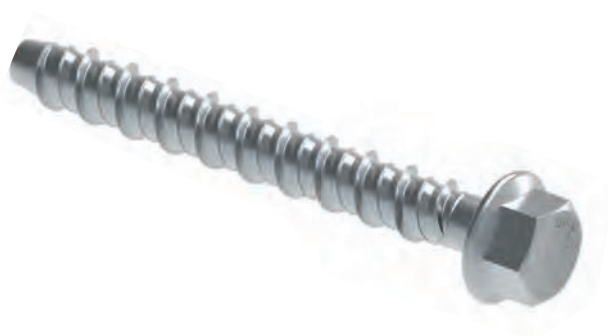
Fire Resistance
R120



Seismic
C1

Material

Steel, zinc-flake coated



Features and benefits

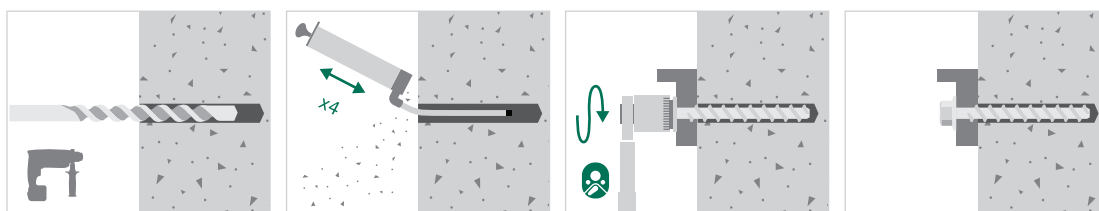
- ETA Option 1 approval for cracked and non-cracked concrete
- ETA ETAG001 Part 6 approval for multiple use for non-structural applications
- Seismic performance category C1 for design of anchorages under seismic action
- Approved for use in precast prestressed hollow core slabs
- Up to 3 anchoring depths 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
- Through-fixing

Substrate type

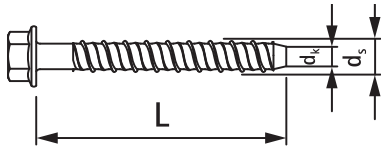
- Non-cracked concrete
- Cracked concrete
- Precast prestressed hollow core slabs



Installation guide



Product information



Part No.	Description	Anchor Size	d _k (mm)	d _s (mm)	L (mm)	Box qty (pcs)	Outer box qty (pcs)
62430304	W-LX-H	6x40	6	7.5	40	100	38400
62430306	W-LX-H	6x60	6	7.5	60	100	38400
62430308	W-LX-H	6x75	6	7.5	75	100	38400
62430406	W-LX-H	8x60	8	9.9	60	100	25600
62430408	W-LX-H	8x75	8	9.9	75	100	25600
62430409	W-LX-H	8x90	8	9.9	90	100	19200
62430410	W-LX-H	8x100	8	9.9	100	100	19200
62430412	W-LX-H	8x120	8	9.9	120	50	12800
62430507	W-LX-H	10x65	10	12.4	65	50	14400
62430509	W-LX-H	10x90	10	12.4	90	50	12800
62430510	W-LX-H	10x100	10	12.4	100	50	12800
62430512	W-LX-H	10x120	10	12.4	120	25	6400
62430514	W-LX-H	10x140	10	12.4	140	25	7200
62430608	W-LX-H	12x75	12	14.9	75	50	9600
62430610	W-LX-H	12x100	12	14.9	100	50	6400
62430711	W-LX-H	14x115	14	17.4	115	20	5120
62430713	W-LX-H	14x135	14	17.4	135	20	5120

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	h _{nom} (mm)	Cracked	Non-cracked
			N _{rec} (kN)	N _{rec} (kN)
62430304	W-LX-H 6x40	-	-	-
62430306	W-LX-H 6x60	55	3.33	5.71
62430308	W-LX-H 6x75	55	3.33	5.71
62430406	W-LX-H 8x60	50	3.33	5.06
62430408	W-LX-H 8x75	70	6.19	9.04
62430409	W-LX-H 8x90	70	6.19	9.04
62430410	W-LX-H 8x100	70	6.19	9.04
62430412	W-LX-H 8x120	70	6.19	9.04
62430507	W-LX-H 10x65	55	3.80	5.93
62430509	W-LX-H 10x90	85	8.59	12.28
62430510	W-LX-H 10x100	85	8.59	12.28
62430512	W-LX-H 10x120	85	8.59	12.28
62430514	W-LX-H 10x140	85	8.59	12.28
62430608	W-LX-H 12x75	60	3.33	6.38
62430610	W-LX-H 12x100	100	10.86	15.52
62430711	W-LX-H 14x115	75	6.19	9.30
62430713	W-LX-H 14x135	120	14.47	20.67

Recommended loads*

Option 1 ETA-21/0613 – Single anchors in cracked and non-cracked concrete

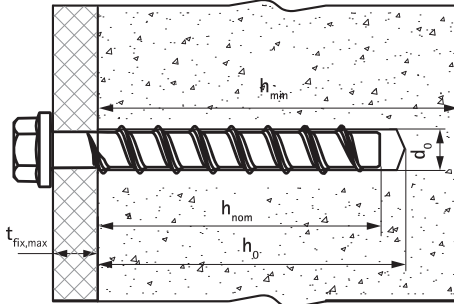
Recommended tension load in C20/25 concrete

Part No.	Description	h _{nom} (mm)	Cracked	Non-cracked
			N _{rec} (kN)	N _{rec} (kN)
62430304	W-LX-H 6x40	35	1.42	1.42
62430306	W-LX-H 6x60	39	2.85	2.85
62430308	W-LX-H 6x75	55	4.28	4.28
62430406	W-LX-H 8x60	50	3.57	3.57
62430408	W-LX-H 8x75	70	5.71	5.71
62430409	W-LX-H 8x90	70	5.71	5.71
62430410	W-LX-H 8x100	70	5.71	5.71
62430412	W-LX-H 8x120	70	5.71	5.71
62430507	W-LX-H 10x65	55	4.28	4.28
62430509	W-LX-H 10x90	85	9.52	9.52
62430510	W-LX-H 10x100	85	9.52	9.52
62430512	W-LX-H 10x120	85	9.52	9.52
62430514	W-LX-H 10x140	85	9.52	9.52
62430608	W-LX-H 12x75	60	-	-
62430610	W-LX-H 12x100	100	-	-
62430711	W-LX-H 14x115	75	5.71	5.71
62430713	W-LX-H 14x135	120	14.28	14.28

*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)	≥ h ₀ (mm)	h _{min} (mm)	h _{nom} (mm)	C _{min} (mm)	S _{min} (mm)	t _{fix,max} (mm)
62430304	W-LX-H 6x40	6	50	100	h _{nom} -	45	45	40
62430306	W-LX-H 6x60	6	65	100	h _{nom} 55	45	45	5
62430308	W-LX-H 6x75	6	65	100	h _{nom} 55	45	45	20
62430406	W-LX-H 8x60	8	60	110	h _{nom} 50	50	50	10
62430408	W-LX-H 8x75	8	80	110	h _{nom} 70	50	50	5
62430409	W-LX-H 8x90	8	80	110	h _{nom} 70	50	50	20
62430410	W-LX-H 8x100	8	80	110	h _{nom} 70	50	50	30
62430412	W-LX-H 8x120	8	80	110	h _{nom} 70	50	50	50
62430507	W-LX-H 10x65	10	65	100	h _{nom} 55	60	60	10
62430509	W-LX-H 10x90	10	95	130	h _{nom} 85	60	60	5
62430510	W-LX-H 10x100	10	95	130	h _{nom} 85	60	60	15
62430512	W-LX-H 10x120	10	95	130	h _{nom} 85	60	60	35
62430514	W-LX-H 10x140	10	95	130	h _{nom} 85	60	60	55
62430608	W-LX-H 12x75	12	70	110	h _{nom} 60	80	80	15
62430610	W-LX-H 12x100	12	110	155	h _{nom} 100	80	80	0
62430711	W-LX-H 14x115	14	85	110	h _{nom} 75	100	100	40
62430713	W-LX-H 14x135	14	130	190	h _{nom} 120	100	100	15

Part No.	Description	d ₀ (mm)	≥ h ₀ (mm)	h _{min} (mm)	h _{nom} (mm)	C _{min} (mm)	S _{min} (mm)	t _{fix,max} (mm)
62430304	W-LX-H 6x40	6	45	100	h _{nom} 35	45	45	5
62430306	W-LX-H 6x60	6	45	100	h _{nom} 55	45	45	5
62430308	W-LX-H 6x75	6	45	100	h _{nom} 55	45	45	20
62430406	W-LX-H 8x60	8	50	110	h _{nom} 50	50	50	10
62430408	W-LX-H 8x75	8	50	110	h _{nom} 70	50	50	5
62430409	W-LX-H 8x90	8	50	110	h _{nom} 70	50	50	20
62430410	W-LX-H 8x100	8	50	110	h _{nom} 70	50	50	30
62430412	W-LX-H 8x120	8	50	110	h _{nom} 70	50	50	50
62430507	W-LX-H 10x65	10	60	100	h _{nom} 55	60	60	10
62430509	W-LX-H 10x90	10	60	130	h _{nom} 85	60	60	5
62430510	W-LX-H 10x100	10	60	130	h _{nom} 85	60	60	15
62430512	W-LX-H 10x120	10	60	130	h _{nom} 85	60	60	35
62430514	W-LX-H 10x140	10	60	130	h _{nom} 85	60	60	55
62430711	W-LX-H 14x115	14	100	110	h _{nom} 75	100	100	40
62430713	W-LX-H 14x135	14	100	190	h _{nom} 120	100	100	15

Installation data provided according to *ETAG001 Part 6 ETA-21/00612; **Option 1 ETA-21/0613.