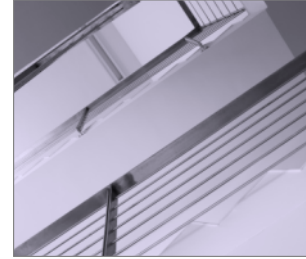
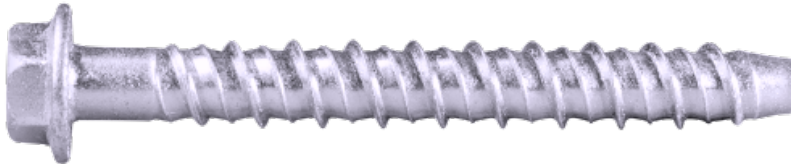


R-LX-HF-ZP Zinc plated Hex with flange Concrete Screw Anchor

Self-tapping concrete screwbolt



Product information

Features and benefits

- Time-efficient through-fixing installation with streamlined procedure - simply drill and drive.
- Completely removable
- Unique design with patented threadform ensures high performance for relatively small hole diameter
- Non-expansion functioning ensures low risk of damage to base material and makes R-LX ideal for installation near edges and adjacent anchors
- High performance in non-cracked concrete
- Different head types for any application
- Possibility of multiple use
- Excellent product for temporary fixing
- Suitable for standard and reduced embedment depth

Applications

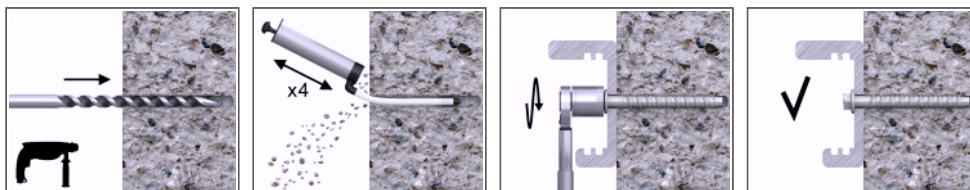
- Through-fixing
- Temporary anchorages
- Formwork support systems
- Balustrading & handrails
- Fencing & gates manufacturing and installation
- Racking systems
- Public seating
- Scaffolding

Base materials

Suitable for use in

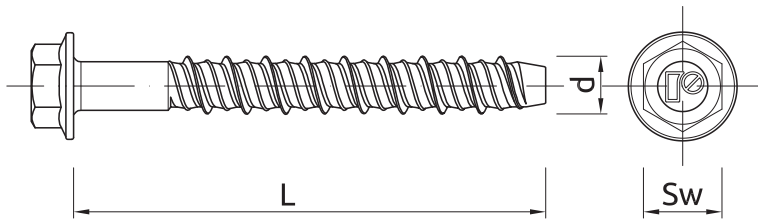
- Concrete

Installation guide



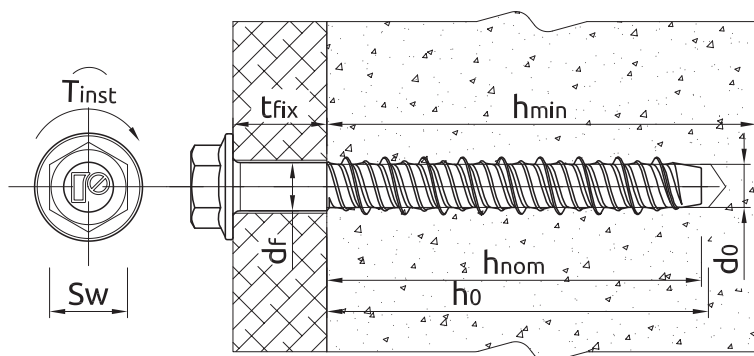
1. Drill a hole of required diameter and depth
2. Clean the hole of drilling dust and debris (using blowpump or equivalent method)
3. Insert anchor through fixture and screw into hole, until installation depth is reached and fixture is secure. Recommended installation torque may be used as a guideline (for use in concrete)

Product information



Size	Product Code	Anchor		Fixture		
		Diameter	Length	Max. thickness		Hole diameter
		d	L	$t_{fix,r}$	$t_{fix,s}$	d_f
		[mm]	[mm]	[mm]	[mm]	[mm]
Ø6,3	R-LX-05X050-HF-ZP	6.3	50	25	10	7
	R-LX-05X075-HF-ZP	6.3	75	50	25	7
Ø7.5	R-LX-06X050-HF-ZP	7.5	50	10	-	9
	R-LX-06X075-HF-ZP	7.5	75	35	20	9
	R-LX-06X100-HF-ZP	7.5	100	60	45	9
	R-LX-06X130-HF-ZP	7.5	130	90	75	9
	R-LX-06X150-HF-ZP	7.5	150	110	95	9
Ø10	R-LX-08X060-HF-ZP	10	60	10	-	12
	R-LX-08X075-HF-ZP	10	75	25	5	12
	R-LX-08X090-HF-ZP	10	90	40	20	12
	R-LX-08X100-HF-ZP	10	100	50	30	12
	R-LX-08X130-HF-ZP	10	130	80	60	12
Ø12,5	R-LX-10X065-HF-ZP	12.5	65	10	-	14
	R-LX-10X075-HF-ZP	12.5	75	20	-	14
	R-LX-10X085-HF-ZP	12.5	85	30	-	14
	R-LX-10X100-HF-ZP	12.5	100	45	15	14
	R-LX-10X120-HF-ZP	12.5	120	65	35	14
	R-LX-10X140-HF-ZP	12.5	140	85	55	14
	R-LX-10X160-HF-ZP	12.5	160	105	75	14
Ø17	R-LX-14X105-HF-ZP	17	105	30	-	18
	R-LX-14X080-HF-ZP	17	80	5	-	18
	R-LX-14X115-HF-ZP	17	115	40	-	18
	R-LX-14X135-HF-ZP	17	135	60	15	18

Installation data



Size			Ø6.3	Ø7.5	Ø10	Ø12.5	Ø17
Thread diameter	d	[mm]	6.3	7.5	10	12.5	17
Hole diameter in substrate	d ₀	[mm]	5	6	8	10	14
Wrench size	Sw	[mm]	8	10	13	15	19
STANDARD EMBEDMENT DEPTH							
Min. hole depth in substrate	h _{0,s}	[mm]	50	65	80	95	130
Installation depth	h _{nom,s}	[mm]	40	55	70	85	120
Min. substrate thickness	h _{min,s}	[mm]	100	100	110	130	190
Min. spacing	s _{min,s}	[mm]	30	35	40	55	80
Min. edge distance	c _{min,s}	[mm]	30	35	40	55	80
REDUCED EMBEDMENT DEPTH							
Min. hole depth in substrate	h _{0,r}	[mm]	35	50	60	65	85
Installation depth	h _{nom,r}	[mm]	25	40	50	55	75
Min. substrate thickness	h _{min,r}	[mm]	100	100	100	100	190
Min. spacing	s _{min,r}	[mm]	30	35	50	70	120
Min. edge distance	c _{min,r}	[mm]	30	35	50	70	110

Basic performance data

Performance data for single anchor in tension without influence of edge distance and spacing

Size		Ø6.3	Ø7.5	Ø10	Ø12.5	Ø17
MEAN ULTIMATE LOAD						
TENSION LOAD N_{Ru,m}						
Reduced embedment depth	[kN]	4.70	8.50	12.30	15.00	21.30
Standard embedment depth	[kN]	11.10	18.40	26.00	35.40	59.60
SHEAR LOAD V_{Ru,m}						
Steel failure	[kN]	9.97	14.33	26.98	41.88	104.82
CHARACTERISTIC LOAD						
TENSION LOAD N_{Rk}						
Reduced embedment depth	[kN]	2.10	5.00	8.80	12.00	17.10
Standard embedment depth	[kN]	7.50	12.00	20.00	30.00	50.00
SHEAR LOAD V_{Rk}						
Steel failure	[kN]	6.88	7.18	16.49	24.71	82.75
DESIGN LOAD						
TENSION LOAD N_{Rd}						
Reduced embedment depth	[kN]	1.00	2.40	4.20	5.70	8.10
Standard embedment depth	[kN]	2.08	5.00	9.00	13.30	21.10
SHEAR LOAD V_{Rd}						
Steel failure	[kN]	5.50	5.74	13.19	19.77	66.20

Basic performance data

Product commercial data

Size	Product Code	Anchor	Quantity [pcs]			Weight [kg]			Bar Codes
		Length [mm]	Box	Outer	Pallet	Box	Outer	Pallet	
Ø6,3	R-LX-05X050-HF-ZP	50	100	100	41600	1.11	1.11	492.2	5906675112947
	R-LX-05X075-HF-ZP	75	100	100	41600	1.47	1.47	643.2	5906675112961
Ø7.5	R-LX-06X050-HF-ZP	50	100	100	41600	1.50	1.50	654.8	5906675112978
	R-LX-06X075-HF-ZP	75	100	100	41600	2.2	2.2	926.9	5906675119175
	R-LX-06X100-HF-ZP	100	100	100	25600	2.7	2.7	732.5	5906675119182
	R-LX-06X130-HF-ZP	130	100	100	25600	3.4	3.4	901.4	5906675119199
	R-LX-06X150-HF-ZP	150	100	100	25600	3.8	3.8	1013.0	5906675119205
	R-LX-08X060-HF-ZP	60	100	100	25600	3.4	3.4	890.7	5906675119212
Ø10	R-LX-08X075-HF-ZP	75	100	100	25600	4.0	4.0	1057.8	5906675119236
	R-LX-08X090-HF-ZP	90	100	100	19200	4.6	4.6	906.9	5906675119243
	R-LX-08X100-HF-ZP	100	100	100	19200	5.0	5.0	980.8	5906675119250
	R-LX-08X130-HF-ZP	130	50	50	12800	3.1	3.1	826.2	5906675119267
	R-LX-08X150-HF-ZP	150	50	50	12800	3.5	3.5	925.0	5906675119274
	R-LX-10X065-HF-ZP	65	50	50	15600	2.9	2.9	921.1	5906675119281
Ø12,5	R-LX-10X075-HF-ZP	75	50	50	12800	3.2	3.2	836.9	5906675119304
	R-LX-10X085-HF-ZP	85	50	50	12800	3.5	3.5	923.2	5906675119311
	R-LX-10X100-HF-ZP	100	50	50	12800	3.9	3.9	1037.6	5906675119335
	R-LX-10X120-HF-ZP	120	25	25	6400	2.3	2.3	621.6	5906675119342
	R-LX-10X140-HF-ZP	140	25	25	7800	2.6	2.6	845.3	5906675119410
	R-LX-10X160-HF-ZP	160	20	20	6240	2.4	2.4	769.4	5906675119489
	R-LX-14X105-HF-ZP	105	20	20	5120	3.4	3.4	908.3	5906675119953
Ø17	R-LX-14X080-HF-ZP	80	20	20	5120	2.8	2.8	750.9	5906675292861
	R-LX-14X115-HF-ZP	115	20	20	5120	3.7	3.7	976.4	5906675312118
	R-LX-14X135-HF-ZP	135	20	20	5120	4.2	4.2	1095.7	5906675119977