



LOXIN® SHIELD ANCHORS

The Loxin is a shorter length thin wall internally threaded expansion anchor for weaker substrates such as brick, block and stone.

Surface Finish
Zinc Colbolt alloy plating with chromate conversion coating.



For fixing to
Concrete, brickwork, blockwork.

Features

Flush setting no protrusions when not in use.

- Female thread - bolts and threaded studs of any length or type can be used.
- Shallow embedment, reducing chance of drilling into rebar,

therefore faster drilling.

- Captive expander nut - held in place at the extreme of the anchor length for maximum embedment.

Applications

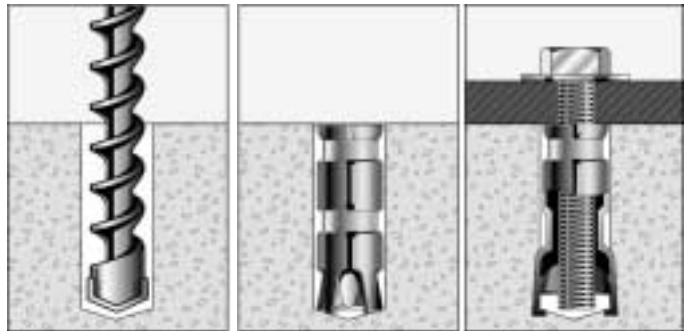
- General purpose medium duty fixings.
- Installation of garage doors.
- Racking to walls.

Materials

Carbon Steel



INSTALLATION



1. Drill hole at recommended diameter and at least the depth of anchor. Clean hole thoroughly with brush.

2. Remove debris by way of a vacuum or hand pump, compressed air, etc. Insert the Loxin nut end first until it is flush with the surface.

3. Insert the correct size bolt through the fixture into the Loxin and tighten.

INSTALLATION AND PERFORMANCE DETAILS

Anchor Size mm (Imperial)	Hole Ø mm (Imperial)	Installation			Structural Limits		Rec. Working Load (kN)	
		Embedded Depth (mm)	Tight Torque (Nm)	Edge Dist.Min. (mm)	Anchor Spacing Dist. Min. (mm)	Structural Thickness Min. (mm)	30MPa Tensile kN	30MPa Shear kN
6 (1/4")	13 (1/2")	40	4	45	95	70	2.2	1.3
8 (5/16")	16 (5/8")	55	9	70	135	90	4.0	2.4
10 (3/8")	16 (5/8")	55	17	70	135	90	5.6	3.8
12 (1/2")	22 (7/8")	70	30	85	170	120	8.0	5.5
16 (5/8")	26 (1")	75	74	100	200	140	10.1	10.2
20 (3/4")	45 (1 1/8")	90	144	120	240	160	13.1	15.9

*For bolts with U.T.S. of 400 MPa minimum safety factor of 4:1 included in the stated safe load.

ANCHOR DETAILS Metric

Thread Size	Anchor Length (mm)	Nom. Hole Depth (mm)	Quantity Per Box	Order No.
M6	35	40	50	RLM06
M8	52	60	25	RLM08
M10	52	60	25	RLM10
M12	65	70	25	RLM12
M16	75	80	25	RLM16

ANCHOR DETAILS Imperial

Thread Size	Anchor Length (mm)	Nom. Hole Depth (mm)	Quantity Per Box	Order No.
1/4"	35	40	50	RLW04
5/16"	52	60	25	RLW05
3/8"	52	60	25	RLW06
1/2"	65	70	25	RLW08