

Masonry Screw Anchor Bolt - Hexagon Head

High tensile screw-in anchors for fast and cost-efficient installation providing immediate high strength loading. This Screw Bolt represents a sophisticated one-piece anchoring solution suitable for a wide range of applications. It offers quick and easy installation while generating low expansion forces, allowing close anchor spacing and near to edge anchor locations. Completely removable, the Tri-Fixx Screw Bolt is a great alternative to traditional expansion or chemical anchoring systems.



Product Range

SIZE DIAMETER X LENGTH	HOLE SIZE	MIN EMBED	HEX HEAD SIZE	PACK QTY	PART NUMBER	
					INTERNAL	CL4 EXTERNAL
M6 x 50mm	6mm	30mm	10mm	100	EXCH06050	EXCHG06050
M6 x 75mm	6mm	30mm	10mm	100	EXCH06075	EXCHG06075
M6 x 100mm	6mm	30mm	10mm	100	EXCH06100	EXCHG06100
M8 x 50mm	8mm	40mm	13mm	50	EXCH08050	EXCHG08050
M8 x 60mm	8mm	40mm	13mm	50	EXCH08050	EXCHG08060
M8 x 75mm	8mm	40mm	13mm	50	EXCH08075	EXCHG08075
M8 x 100mm	8mm	40mm	13mm	50	EXCH08100	EXCHG08100
M10 x 60mm	10mm	50mm	17mm	50	EXCH10060	EXCHG10060
M10 x 75mm	10mm	50mm	17mm	50	EXCH10075	EXCHG10075
M10 x 100mm	10mm	50mm	17mm	50	EXCH10100	EXCHG10100
M10 x 120mm	12mm	50mm	17mm	50	EXCH10120	EXCHG10120
M12 x 75mm	12mm	60mm	19mm	50	EXCH12075	EXCHG12075
M12 x 100mm	12mm	60mm	19mm	50	EXCH12100	EXCHG12100
M12 x 150mm	12mm	60mm	19mm	25	EXCH12150	EXCHG12150
M16 x 100mm	16mm	70mm	21mm	15	EXCH16100	EXCHG16100
M16 x 150mm	16mm	70mm	21mm	15	EXCH16150	EXCHG16150

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Performance and Installation

The following table shows recommended tension work loads* as a function of anchor diameter and embedment depth in non-cracked concrete with a density of 32MPa.

ANCHOR DIAMETER (mm)	EMBEDMENT (mm)	TENSION WORKING LOAD (KN)
6	30	2.6
6	65	5.5
6	100	8.1
8	40	4.3
8	70	7.9
8	100	11.6
10	50	6.7
10	75	10.5
10	100	13.4
12	60	9.8
12	80	13.6
12	100	17.2
16	70	12.1
16	85	15.9
16	100	18.8

*Load capacities include a safety factor of 3. Please contact Tri-Fixx technical support for engineering advice on specific design application.

Installation

1. Drill a hole at least one diameter of the anchor deeper than the minimum embedment.
2. Clean the hole from debris.
3. Install the Screw Bolt using either an impact wrench or a ratchet with the supplied socket. Make sure to apply constant pressure while rotating the screw bolt.
4. Keep tightening the anchor until head is firmly seated.

Material Properties

Material:	Heat Treated 10B21 Steel
Surface Hardness:	700 HV (min)
Case Depth:	0.25-0.35 mm
Protective Coating:	Zinc (Yellow) Electroplating (for internal application) Zinc-Nickel Electroplating (for external application) surpassing 1500 hrs NSST

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