PRODUCT DATA



XBolt® PRO Vertical Hanger

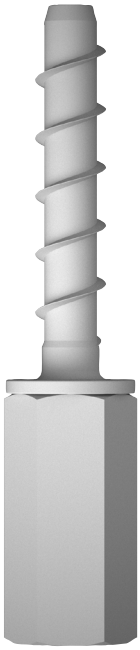
Description

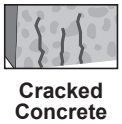
The **XBolt® PRO** is a single unit screw type anchor that is used in solid concrete applications. Fixing is achieved by screwing the anchor into the hole. As it is screwed in, it creates its own undercut by tapping the concrete hole. XBolt® PRO Vertical Hanger includes ETA approvals for cracked and non-cracked concrete, fire resistance and seismic applications C1 and C2.

CONXTRUCT PRO

XBolt PRO

Vertical Hanger





Cracked Concrete



Non-Cracked Concrete

ETA

Opt 1

C1 & C2

Fire-rated

Applications	
• Mechanical, electrical and pipe hanger applications • Ceiling hanger applications • HVAC • Fire sprinklers • Cable tray • Suspension of mechanical services	**TRADES** • Building • Plumbing • Electrical • Air conditioning trades • HVAC Installers

Features	
• Suitable for light to medium duty loads • Suitable for small anchor spacing and edge distance applications	• Quick and easy to install • Fully removable • Dual thread nut M10 & M12

Material	CS Carbon Steel
Finish	ZFS Zinc Flake Silver

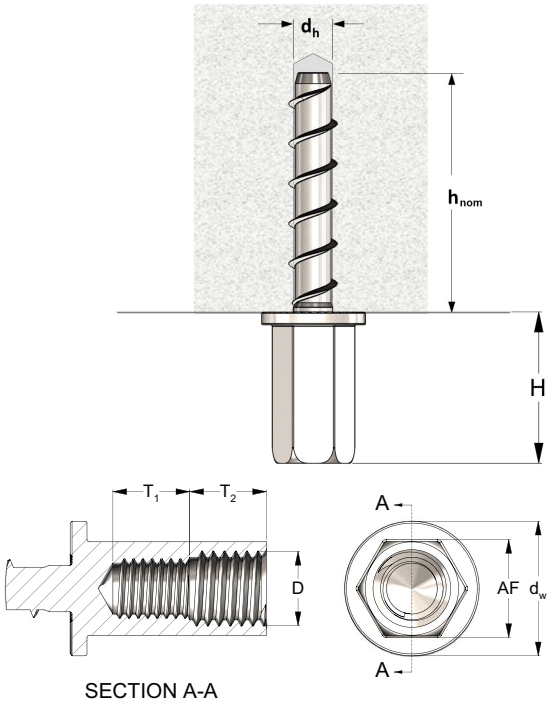
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Dimensions XBolt® PRO Vertical Hanger

Part	QFind	Thread Size	Embedment Length
		D (mm)	L (mm)
EVXMSF18D120060	**EVX111**	M10/M12	60

Installation Parameters

Installation Parameters		M10 & M12
		10.5
Drill Hole Ø	d_h(mm)	8
Overall Anchor Embedment	h_{nom}(mm)	60
Min Concrete Thickness	h_{min}(mm)	100
Min Edge Distance	c_{min}(mm)	50
Min Spacing	S_{min}(mm)	50
Max Install Torque	T_{ins}(Nm)	25
Hex Head Height	H(mm)	30
Wrench Size	AF(mm)	15
Flange Head Diameter	d_w(mm)	20
Thread Length	T_1/T_2(mm)	12
Thread Size & Pitch	D	M10 x 1.5 & M12 x 1.75



SECTION A-A

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Basic Load Performance in 32MPa cracked and non-cracked concrete

Cracked Concrete

Tensile Loads (kN)		
Size		M10/M12
Embedment (mm)		60
Edge Distance (mm)	50	5.4
	75	5.4
	100	5.4

Pullout Failure

Non-cracked Concrete

Tensile Loads (kN)		
Size		M10/M12
Embedment (mm)		60
Edge Distance (mm)	50	8.1
	75	10.1
	100	10.1

Pullout Failure

Basic Load Performance in 32MPa C1 Seismic and C2 Seismic

C1 Seismic

Tensile Loads (kN)		
Size		M10/M12
Embedment (mm)		60
Edge Distance (mm)	50	4.8
	75	5.0
	100	5.0

Pullout Failure

C2 Seismic

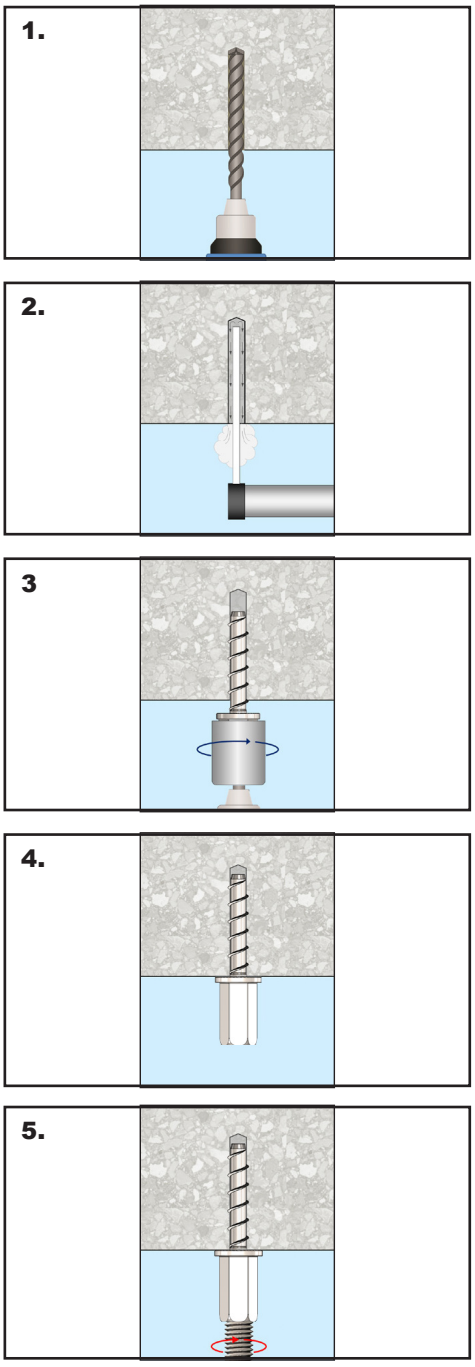
Tensile Loads (kN)		
Size		M10/M12
Embedment (mm)		60
Edge Distance (mm)	50	2.9
	75	2.9
	100	2.9

Pullout Failure

[1] *Design loads have been calculated in accordance with AS 5216:2021. Loads are for individual anchors without consideration of anchor spacing*

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Installation



Installation Guide

1. Drill 8 mm hole to required embedment depth using suitable masonry drill bit and hammer drill
2. Remove dust and debris from hole by using hand pump, compressed air or vacuum
3. Install anchor into drilled hole with a impact wrench or torque wrench. Maximum install torque should be limited to 25 Nm
4. Drive head of anchor sits flush with the concrete surface
5. Install M10 or M12 threaded rod into female thread. Minimum engagement is 1 x diameter of threaded rod used.

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