

Installation Guide

Bolts



High Performance Bolts (FAZ II Plus)

Drill the hole using a hammer drill, through the pre-drilled hole in the fixture, into the concrete. This hole should be drilled perpendicular to the substrate surface and to the correct diameter and depth. Either plunge the drill bit in and out of the hole three times or use a blow pump to remove any debris.

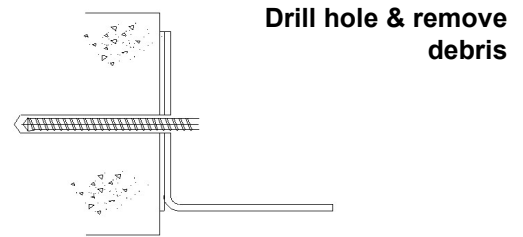
Insert the bolt through the component to be fixed and into the concrete. Add any packing shims that maybe required.

Tighten to the recommended torque.

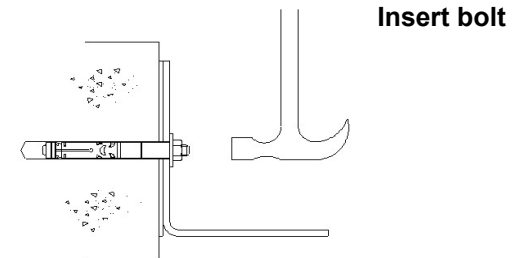
Before Installation

The following checks must be carried out prior to installation of High Performance Expansion Bolts.

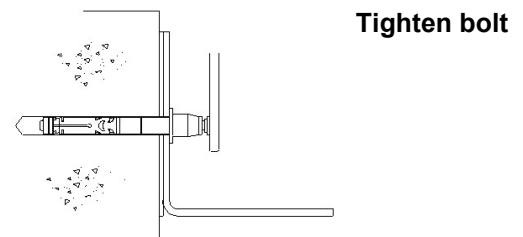
1. The appropriate length and diameter drill bit is used.
2. The correct edge distance and spacing are used in accordance with the design requirements.
3. The anchor/fixing is the correct size.
4. The correct setting tools are used.



Drill hole & remove debris



Insert bolt



Tighten bolt

High Performance Expansion Bolts

Bolt Reference	FAZII Plus	FAZII Plus	FAZII Plus	FAZII Plus	FAZII Plus	FAZII Plus	FAZII Plus	FAZII Plus
	06/10R-64	08/10R-74	10/10R-94	10/30R-113	12/30R-128	12/50R-148	16/25R-146	16/50R-171
Thread Size	M6	M8	M10	M10	M12	M12	M16	M16
Overall Length (mm)	65	75	95	115	130	150	148	173
Hole Dia in Concrete (mm)	6	8	10	10	12	12	16	16
Drill Depth* (mm)	90	105	115	115	145	145	185	185
Hole Dia in Fixture (mm)	7	9	11	11	13	13	17	17
Min. Embedment (mm)	55	55	75	75	85	85	105	105
Width Across Nut (mm)	10	13	17	17	19	19	24	24
Tightening Torque (Nm)	8	20	45	45	60	60	110	110
Max. Fixing Thickness (mm)	10	10	10	30	30	50	25	50

*Minimum Drill Depth for through bolt installation at maximum embedment.

Note: For use in cracked and non-cracked concrete C20/25 to C50/60.

The Construction applications and details provided in this guide are indicative only. In every case installation should be entrusted to appropriately qualified and experienced persons. Normal handling precautions should be taken to avoid physical injury. The company cannot be held responsible for any injury as a result of using our products, unless such injury arises as a result of our negligence.

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