

Installation Guide

High Performance Expansion Bolts (FAZ II Plus)

Before Installation

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

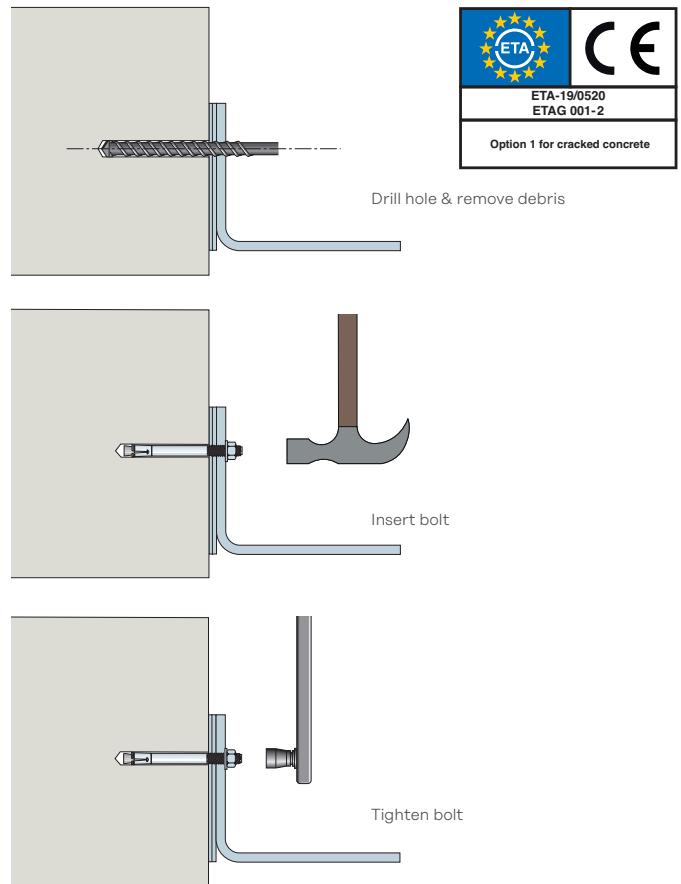
- 1 The appropriate length and diameter drill bit is used.
- 2 The correct edge distance and spacing are used in accordance with the design requirements.
- 3 The anchor/fixing is the correct size.
- 4 The correct setting tools are used.

Installation

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 may be required.

Tighten to the recommended torque.



High Performance Expansion Bolts

Bolt Reference	FAZII Plus 06/10R-64	FAZII Plus 08/10R-74	FAZII Plus 10/10R-94	FAZII Plus 10/30R-113	FAZII Plus 12/30R-128	FAZII Plus 12/50R-148	FAZII Plus 16/25R-146	FAZII Plus 16/50R-171
Thread Size	M6	M10	M10	M8	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	12	12	14	14	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.

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