

Ancon®

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.

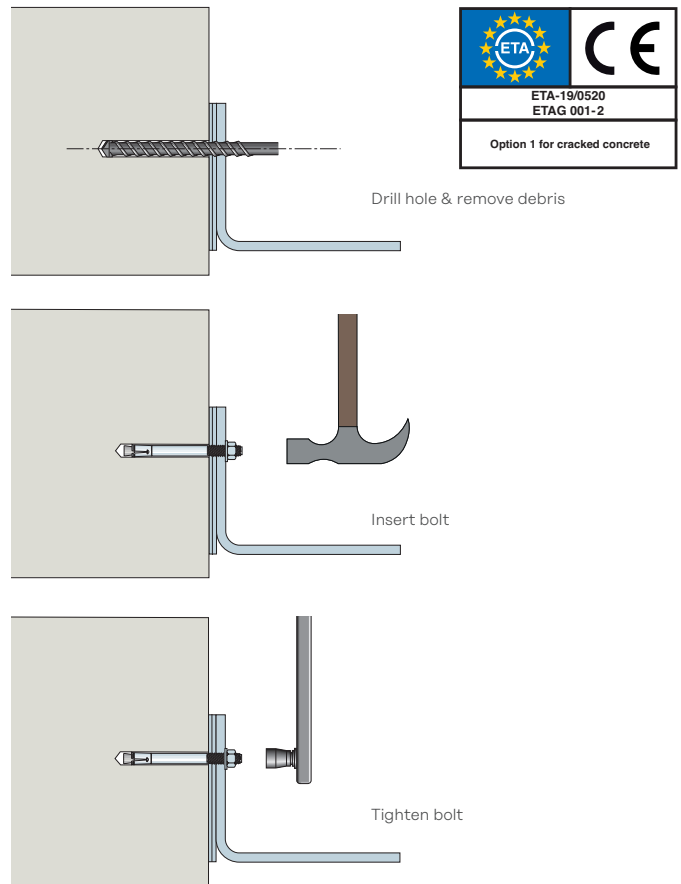
- 1 The appropriate length and diameter drill bit is used.
- 2 The correct edge distance and spacing are used in accordance with the design requirements.
- 3 The anchor/fixing is the correct size.
- 4 The correct setting tools are used.

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 | 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 | 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.

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. © Protected by copyright