

fischer India: Providing a range of anchor systems

Fischer is based in Black Forest, Germany and is known for its research-oriented drive in the market. One example is the research into the long-term effects of the external influences in building materials and fixings. Another example is the interaction between the different materials in the anchorage substrate. As a result of this R&D, fischer now boasts of a range of 5000 different anchors.

Some of the fischer products have found widespread use in the earthquake-affected structures in Gujarat.

Anchorage system for bricks/blocks

This system when provided with anchor sleeve is suitable for vertical perforated bricks, sand-lime perforated hollow blocks, hollow filler blocks, etc. Without

its anchor sleeve, it is suitable for concrete, light-weight concrete, natural stone, bricks, etc.

Description

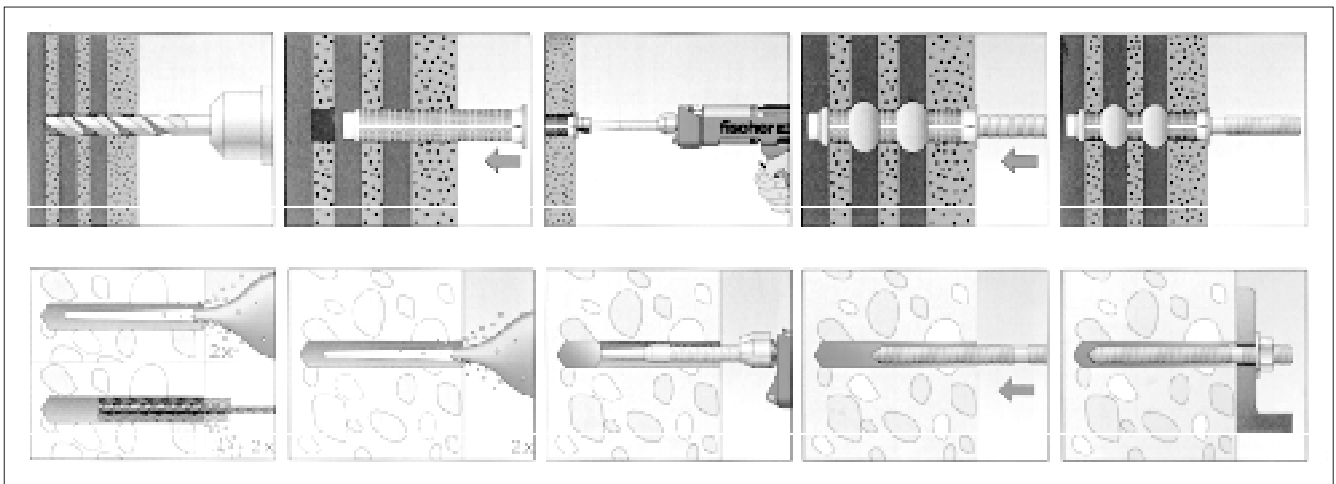
The fischer FIS V injection anchor contains a styrene-free, quick-setting, high quality hybrid resin mortar, which is characterised by its suitability for many applications. The two components are safely mixed together inside the static mixer. An exchange of the static mixer allows the renewed use of cartridges after they have been opened.

Advantages

- Styrene-free hybrid resin mortar
- Re-usability of opened cartridges
- Requires low application pressure
- Expansion-free anchoring.



fischer FISV injection anchor

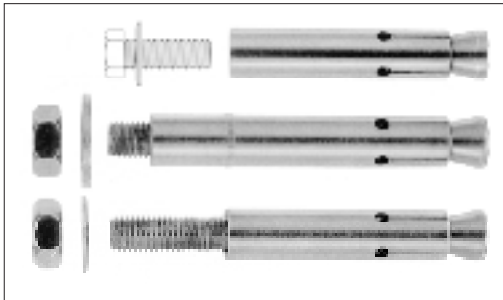


The installation diagram of fischer FISV injection anchor; (*top*) in perforated brick with anchor sleeve, (*bottom*) in solid materials without anchor sleeve

fischer FZA Zykon anchor

fischer FZA Zykon anchor is a stress-free undercut anchor. The system consists of bolt anchor, through anchor and internally threaded anchor. It is suitable for use in normal concrete and dense natural stone.

It provides positive form-locking in the undercut drill-hole. It can sustain the recommended loads in both the compression or tensile zones of concrete. It provides reduced axial and edge spacing.



fischer FZA Zykon anchor

Installation

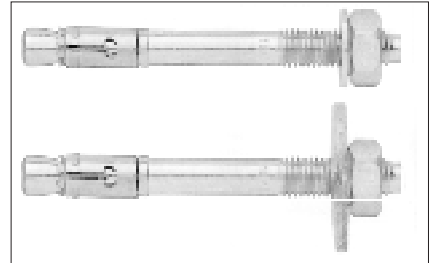
The anchor is installed by inserting it into the undercut hole by using a setting tool and hammer. The anchor sleeve is driven over the end of the cone-bolt to form-lock with the base material. Its correct installation is guaranteed when the anchor sleeve of the bolt anchor and internally threaded anchor sits either flush or just below the surface of the concrete. The anchor can be loaded immediately after the installation torque is applied.

Anchorage system for tensile zone of concrete

fischer's anchor bolt FAZ is a high performance steel anchor with European technical approval (ETA). It is suitable for use in the tensile zone of concrete to counteract cracking.

The high performance of the fischer FAZ anchor bolt can be attributed to its newly developed expansion clip. Its shape bears a

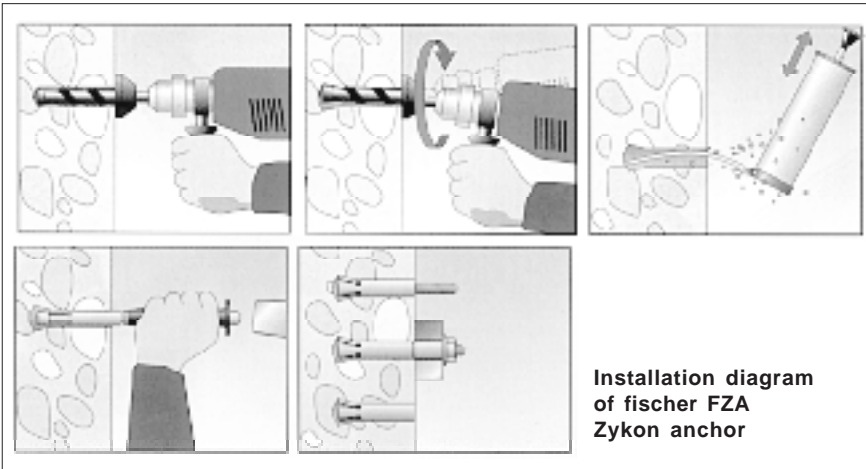
close resemblance to the twin expansion sleeve of the fischer high performance anchor. The patented shape of two overlapping expansion segments results in an even distribution of the loads applied to the concrete better which aids its performance and application.



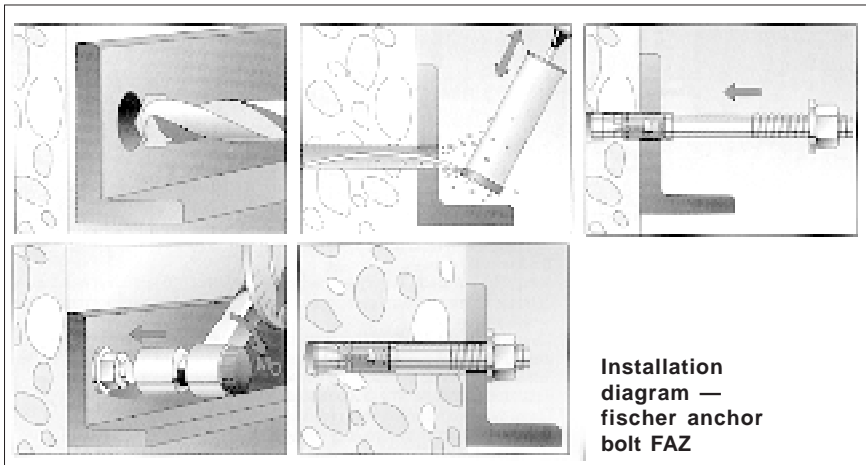
fischer anchor bolt FAZ



Installation example — fischer anchor bolt FAZ



Installation diagram of fischer FZA Zykon anchor



Installation diagram — fischer anchor bolt FAZ

Advantages

- Patented expansion clip for even load distribution
- Allows small axial and edge spacings
- Ideally suited for through fixing.

Application

These anchors have been extensively used in the Gujarat school project, IOCL Baroni, Orissa and Nuclear Power Corporation, Tarapur.

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