Deutsches Institut für Bautechnik

Eine vom Bund und den Ländern gemeinsam getragene Anstalt des öffentlichen Rechts

Zulassungs- und Genehmigungsstelle für Bauprodukte und Bauarten

Datum: 5 November 2026 | Geschäftszeichen: 26-1.21.1-37/26

Allgemeine Bauartgenehmigung

Nummer:
Z-21.1-2188

Geltungsdauer
vom: **5 November 2026**
bis: **5 November 2031**

Antragsteller:
fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
72178 Waldachtal

Gegenstand dieses Bescheides:
fischer FAZ II Classic bolt anchors for anchoring in steel-fibre-reinforced concrete

The product referred to above is hereby granted general building authority approval. This decision comprises four pages.

Translation of the original German version not verified by the German Institute for Building Technology, DIBt. Translated by fischer.

I GENERAL PROVISIONS

1 This general construction technique permit demonstrates the suitability of the subject matter for use in accordance with the State Building Regulations.

2 This decision does not replace the permits, consents and certificates required by law for the execution of building projects.

3 This decision is issued without prejudice to the rights of third parties, in particular private property rights.

4 Copies of this decision must be made available to the user of the subject matter of the regulations, without prejudice to any further provisions in the 'Special Provisions'. Furthermore, the user of the subject matter of the regulations must be informed that this decision must be kept on site where it is used. Copies must also be made available to the relevant authorities upon request.

5 This notice may only be reproduced in its entirety. Publication of extracts requires the consent of the German Institute for Building Technology. Texts and drawings in promotional material must not contradict this notice; translations must include the statement 'Translation of the original German version not verified by the German Institute for Building Technology'.

6 This decision is issued on a revocable basis. The provisions may be subsequently supplemented and amended, in particular where new technical findings so require.

7 This decision relates to the information provided and documents submitted by the applicant during the permit process concerning the subject matter of the regulation. Alterations to the information on which this general construction technique permit was based are not covered by this decision and shall be notified to DIBt without delay.

II SPECIAL PROVISIONS

1 Subject concerned and field of application

This general construction technique permit regulates the planning, design and execution of anchorages for the torque-controlled expansion anchor 'fischer FAZ II Classic bolt anchor' made of galvanised steel and the 'fischer FAZ II Classic R bolt anchor' made of stainless steel in sizes M 6 to M 20 in accordance with the European Technical Assessment ETA-23/0162 of 15 October 2026 in steel-fibre-reinforced concrete.

In accordance with ETA-23/0162, the anchoring may be carried out in compacted, cracked or uncracked ordinary concrete of strength classes C20/25 to C50/60 in accordance with DIN EN 1992-1-1:2011-01 in conjunction with DIN EN 1992-1-1/NA:2013-04.

Furthermore, the anchoring may be used in steel-fibre-reinforced concrete in accordance with the DAfStb guideline on steel-fibre-reinforced concrete (2021-06). The steel fibres must comply with DIN EN 14889-1:2006-11. The fibre content must not exceed 80 kg/m³.

The anchoring may be used under static and quasi-static loads.

The permissible environmental conditions are specified in Annex B of the European Technical Assessment ETA-23/0162.

Applications with an effective anchorage length h_{ef}< 40 mm are restricted to statically indeterminate structural elements. They may only be used in structural elements under conditions typical of dry indoor environments.

2 Provisions for planning, design and execution

2.1 General

Anchors in steel-fibre-reinforced concrete using the fischer FAZ II Classic bolt anchor must be planned, designed and installed in accordance with the Technical Building Regulations, unless otherwise specified below.

2.2 Design

Anchors must be designed in accordance with engineering principles. Verifiable calculations and construction drawings must be prepared, taking into account the loads to be anchored.

The construction drawings must show the exact position and size of the anchor.

The minimum permissible component thicknesses, minimum spacings and minimum edge distances are specified in Annex B of the European Technical Assessment ETA-23/0162.

2.3 Design

This design provides verification of the direct local force transmission into the concrete. The transfer of the loads to be anchored within the structural element must be verified.

The design is carried out in accordance with DIN EN 1992-4:2019-04, Method A. The characteristic values set out in Annex C of the European Technical Assessment

ETA-23/0162 for static and quasi-static loads also apply to use in steel-fibre-reinforced concrete as per Section 1.

2.4 Implementation

2.4.1 General

The anchor to be installed must be fitted in accordance with the construction drawings produced in accordance with Section 2.2.

The installation parameters and installation instructions are set out in Annex B of the European Technical Assessment ETA-23/0162.

The contractor must submit a declaration of conformity in accordance with Sections 16a(5) in conjunction with 21(2) of the MBO to confirm that the design conforms to the general construction technique permit covered by this decision.

2.4.2 Drilling and cleaning of the borehole

The provisions set out in Annex B of the European Technical Assessment ETA-23/0162 must be complied with when drilling and cleaning the borehole.

2.4.3 Insertion of the anchor

The installation instructions set out in Annex B of the European Technical Assessment ETA-23/0162 must be followed.

2.4.4 Inspection of the work

During the installation of the anchors, the contractor responsible for the anchoring, or the site manager appointed by them, or a competent representative of the site manager, must be present on site. They must ensure that the work is carried out correctly.

During the anchors are being installed, the site manager or their representative must keep records verifying the existing concrete compressive strength and the correct installation of the anchor. These records must be available on site throughout the construction period and must be presented to the person responsible for inspection upon request. They must be retained by the company for at least 5 years after completion of the works, as must the delivery notes.

Beatrix Wittstock, Dipl.-Ing., Head of Department

Certified by Ziegler