Press release

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New developments to fischer UltraCut FBS II range

Concrete screws with an innovative range of applications

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fischer's ULTRACUT FBS II concrete screws combine easy installation and safety when transferring heavy loads in concrete. New developments to the range mean it now covers an even wider range of applications. The FBS II 6-10 versions are the world's first concrete screws to be suitable for use in masonry in compliance with regulations (ETA). Combined with the FBS II 10 US gvz, the new FSW adjusting washer enables quick and straightforward adjustment and alignment of beams and joists.

fischer UltraCut FBS II concrete screws combine high load-bearing capacity with quick installation. Steel and stainless steel variants with an ETA (European Technical Assessment) cover compliant applications in cracked and non-cracked concrete, both indoors and outdoors, as well as seismic loading in performance categories C1 and C2. The assessment also regulates fire resistance classes of up to R 120.

Further advantages include the fact that the UltraCut FBS II guarantees reliable force transfer and installation free of expansion pressure thanks to its form fit. The concrete screw's patented thread geometry and large core diameter support high shear and tensile loads in concrete, requiring fewer fastening points. UltraCut FBS II can be reused under certain

circumstances, enabling low edge and axial spacing for safe and easy installation. Depending on the diameter, the concrete screw offers a high degree of flexibility in terms of loading, with up to three approved screw-in or embedment depths. The concrete screw's many different diameters ranging from 6 to 14 in zinc-plated steel and 8 to 12 in stainless steel, various head types and approvals for multiple use enable additional application options.

The product is easy to use. The concrete screw is inserted into the drill hole using the push-through method of installation, and finished. No further drill hole cleaning is required during vertical drilling in floors and ceilings or when using hollow drills with vacuum functions.

The world's first concrete screw for masonry

The expanded approval now covers an even wider range of applications. With its FBS II 6-10 variant, fischer now offers the world's first concrete screw with an ETA for masonry. This includes all FBS II versions in diameters 6-10 made of galvanised steel as well as diameters 8-10 made of multi-coated CP steel and stainless steel. The assessment regulates anchorages in solid and perforated brick masonry and covers brick types including clay bricks (EN 771-1), solid lime-sand brick (EN 771-2) and perforated sand-lime brick (EN 771-2). FBS II can be used in the brick, joint, as an individual anchor, an anchor group as well as in plastered masonry. The conditions and assembly instructions and/or ETA provide detailed instructions in each case.

Adjusting and aligning beams and joists

Wood construction specialists and carpenters can now adjust beams and joists quickly and more easily with the new FSW adjusting washer combined with the concrete screw Ultracut

FBS II hexagon head US in a 10 mm diameter (gvz). Until recently, carpenters often had to lift beams between two people and adjust wood blocks of different sizes underneath. This method is highly laborious, which is where the FSW adjusting washer comes in. Just a few steps are sufficient: Simply fasten the FSW into the concrete through the beam together with the UltraCut FBS II 10 US gvz. Next, a second, reversed FSW with a downward-facing notch is placed over the head of the FBS II and fastened to the wood beam with Power-Fast FPF-PT 5x40 screws to allow precise adjustment. To do so, the wooden beam is precisely aligned with an impact wrench, such as fischer's FSS 18V 400BL with torque control, by slightly loosening the FBS II and subsequently lining it. The upper FSW can be disassembled and reused as required.

Image captions:

Image 1

Ultrastrong fixing solutions: fischer UltraCut FBS II concrete screws combine high load-bearing capacity with quick installation. fischer always offers the right FBS II for any fixing task with its head types, indoor and outdoor versions, multiple fixings and many more.

Image 2

Flexibility with any construction material: In addition to a European Technical Assessment for concrete (ETA), the fischer concrete screw FBS II in diameters 6-10 has an ETA for masonry, guaranteeing maximum safety for high loads in both anchor substrates.

Image 3

Making sure nothing's crooked: fischer's new adjusting washer FSW combined with the zinc-plated concrete screw Ultracut FBS II 10 US gvz makes it easy to anchor and adjust timber-frame walls.

Images: fischer

The fischer Group of Companies

The fischer Group of Companies, headquartered in Waldachtal in Germany's northern Black Forest, generated sales of 1.14 billion euro in 2022 with a worldwide staff of 5,600 employees. The family-owned company operates 50 subsidiaries in 38 countries and exports to more than 120 countries. It includes the five divisions: fischer fixing systems, fischer Automotive, fischertechnik, fischer Consulting and fischer Electronic Solutions.

fischer fixing systems is the technological market leader in key areas of fixing technology. fischer offers products that deliver technical perfection to a wide range of customers, from do-it-yourselfers to tradespeople to key account partners.

fischer Automotive manufactures high-quality parts for vehicle interiors. The company is highly competent in the plastics processing segment and is an important partner for the automotive industry. Its range of products includes air vents, cup holders, trays and multi-function components.

With its construction kits, fischertechnik is active in both the toymaking and the educational sector. fischertechnik is one of the last remaining toy makers to exclusively develop and produce in Germany.

fischer Consulting evolved from the competence developed in the company itself, which includes the fischer ProcessSystem with its central aim of permanent improvement for the ultimate benefit of the customer. fischer Consulting advises small and medium-sized businesses, government agencies and major companies on their path towards lean and efficient processes.

fischer Electronic Solutions develops and manufactures custom electronic solutions. The company also develops, produces and distributes custom and capacitive touch systems such as multi-touch solutions made of glass and the corresponding controller units. All electronics are manufactured in-house.

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