



26 August, 2020

Regards: CE Certification of Daver Steels DST520 Tie Rods System

Dear Sir/Madam,

CE Marking demonstrates compliance with the appropriate European manufacturing standard for any product. CE Marking for all construction products is covered by a harmonised European standard or conforming to a European Technical Assessment.

The harmonised European standard that applies to Daver Steel DST520 Tie Bars System is BS EN 1090-1:2009-1. It is a part of a group of European standards dealing with design and manufacturing of load bearing structural steel components. The DST520 System has been designed in accordance with BS EN 1993, Eurocode 3: Design of Steel Structures, including considering its fatigue performances according to BS EN 1993-1-9.

BS EN 1090-1:2009-2 is the Technical Requirements for Steel Structures. It specifies the requirements for the execution of steel structures to ensure adequate levels of mechanical resistance and stability, serviceability and durability. It determines the performance characteristics for components that the manufacturer must achieve and declare through the requirements of BS EN 1090-1:2009-1. The DST520 System is manufactured to Execution Class 4 (EXC4) which relates to structures with extreme consequences of structural failure.

The European Technical Assessment (ETA) is documented assessment of the performance of a construction product, in relation to its essential characteristics specified by manufacturer. The manufacturer determines through ETA certification a range of applications for their products and therefore limits their responsibility. Many ETA's for the intended use of steel tie rods limit their use for predominantly static loads, specifically excluding use in fatigue/dynamic situations.

The DST520 System CE certification allows for modification of System components compliant with the requirements of Eurocode 3, while any bespoke items which are not specifically included in an ETA are not covered by CE mark.

Regards,

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