BS EN 14399-3:2015

BSI Standards Publication

High-strength structural bolting assemblies for preloading

Part 3: System HR — Hexagon bolt and nut assemblies

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National foreword

This British Standard is the UK implementation of EN 14399-3:2015. It supersedes BS EN 14399-3:2005 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee FME/9/-/2, Fasteners for structural bolting.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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English Version

High-strength structural bolting assemblies for preloading - Part 3: System HR - Hexagon bolt and nut assemblies

Boulonnerie de construction métallique à haute résistance apte à la précontrainte - Partie 3 : Système HR - Boulons à tête hexagonale (vis + écrou)

Hochfeste vorspannbare Garnituren für Schraubverbindungen im Metallbau - Teil 3: System HR - Garnituren aus Sechskantschrauben und -muttern

This European Standard was approved by CEN on 18 October 2014.

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Foreword

This document (EN 14399-3:2015) has been prepared by Technical Committee CEN/TC 185 “Fasteners”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2015 and conflicting national standards shall be withdrawn at the latest by November 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14399-3:2005.

In comparison with EN 14399-3:2005, the following modifications have been made:

— Table 1 containing the overview of the composition of bolting assemblies and component marking has been added;

— the coefficient of variation of the *k*-factor, V_k, was changed from 0,10 to 0,06;

— specifications for the designation of the bolting assemblies have been revised;

— Annex A with detailed specifications on clamp lengths and grip lengths has been added.

EN 14399 consists of the following parts, under the general title *High-strength structural bolting assemblies for preloading*:

— *Part 1: General requirements*;

— *Part 2: Suitability for preloading*;

— *Part 3: System HR — Hexagon bolt and nut assemblies*;

— *Part 4: System HV — Hexagon bolt and nut assemblies*;

— *Part 5: Plain washers*;

— *Part 6: Plain chamfered washers*;

— *Part 7: System HR — Countersunk head bolt and nut assemblies*;

— *Part 8: System HV — Hexagon fit bolt and nut assemblies*;

— *Part 9: System HR or HV — Direct tension indicators for bolt and nut assemblies*;

— *Part 10: System HRC — Bolt and nut assemblies with calibrated preload*.

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