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**High-strength structural bolting assemblies for preloading –
Part 3: System HR –
Hexagon bolt and nut assemblies;
English version EN 14399-3:2015,
English translation of DIN EN 14399-3:2015-04**

Hochfeste vorspannbare Garnituren für Schraubverbindungen im Metallbau –
Teil 3: System HR –
Garnituren aus Sechskantschrauben und -mutter;
Englische Fassung EN 14399-3:2015,
Englische Übersetzung von DIN EN 14399-3:2015-04

Boulonnerie de construction métallique à haute résistance apte à la précontrainte –
Partie 3: Système HR –
Boulons à tête hexagonale (vis + écrou);
Version anglaise EN 14399-3:2015,
Traduction anglaise de DIN EN 14399-3:2015-04

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In case of doubt, the German-language original shall be considered authoritative.



A comma is used as the decimal marker.

National foreword

This document (EN 14399-3:2015) has been prepared by Technical Committee CEN/TC 185 “Fasteners” (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was the *DIN-Normenausschuss Mechanische Verbindungselemente* (DIN Standards Committee Fasteners), Working Committee NA 067-00-07 AA *Verbindungselemente für den Metallbau*.

EN 14399-3 has been revised in connection with the publication of EN 14399-1 as a harmonized European Standard.

The European Standards referred to in Clause 2 of this document have been published as the corresponding DIN EN or DIN EN ISO Standards with the same number.

The DIN Standards corresponding to the International Standards referred to in this document are as follows:

ISO 261	DIN ISO 261
ISO 272	DIN ISO 272
ISO 965-2	DIN ISO 965-2
ISO 965-5	DIN ISO 965-5

Amendments

This standard differs from DIN EN 14399-3:2006-06 as follows:

- a) the title of the German version has been changed: the word *planmäßig* has been deleted and *Garnituren* (assemblies) has been included;
- b) Table 1 containing the overview of the composition of structural bolting assemblies and component marking has been added;
- c) Annex A with detailed specifications on clamp lengths and grip lengths has been added;
- d) specifications for the designation of the bolting assemblies have been revised.

Previous editions

DIN EN 14399-3: 2005-06, 2006-06

National Annex NA (informative)

Bibliography

DIN ISO 261, *ISO general purpose metric screw threads — General plan*

DIN ISO 272, *Fasteners — Width across flats for hexagon products*

DIN ISO 965-2, *ISO general purpose metric screw threads — Tolerances — Part 2: Limits of sizes for general purpose external and internal screw threads — Medium quality*

DIN ISO 965-3, *ISO general purpose metric screw threads — Tolerances — Part 5: Limits of sizes for internal screw threads to mate with hot-dip galvanized external screw threads with maximum size of tolerance position h before galvanizing*

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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Contents

Page

Foreword.....	3
Introduction	4
1 Scope	6
2 Normative references	6
3 Bolts	7
3.1 Dimensions of bolts.....	7
3.2 Specification for bolts and reference standard	11
3.3 Marking of bolts	11
4 Nuts	12
4.1 Dimensions of nuts.....	12
4.2 Specification for nuts and reference standards	14
4.3 Proof load values of nuts	15
4.4 Decarburization of the nut thread	15
4.5 Marking of nuts	15
5 Designation of the bolt/nut assemblies.....	16
6 Associated washers	16
7 Functional characteristics of the bolt/nut/washer(s) assembly.....	16
7.1 General.....	16
7.2 Maximum individual value of the bolt force during fitness for purpose test ($F_{bi,max}$)	17
7.3 Values of angle $\Delta\theta_1$	17
7.4 Values of angle $\Delta\theta_2$	17
7.5 Individual values of the k -factor (k_i), mean value of the k -factor (k_m) and coefficient of variation of the k -factor (V_k)	17
7.5.1 Individual values of the k -factor (k_i) for k -class K1.....	17
7.5.2 Mean value of the k -factor (k_m) and coefficient of variation of the k -factor (V_k) for k -class K2	18
Annex A (normative) Clamp lengths and grip lengths	19
A.1 Clamp lengths for bolting assemblies with one or two washers.....	19
A.2 Grip lengths for bolting assemblies with one or two washers	22
Bibliography	28