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BS EN 14399-3:2015 High-strength structural bolting assemblies for preloading. System HR. Hexagon bolt and nut assemblies

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Abbreviation

BS EN 14399-3:2015

Valid from

01/01/2015

Information provider

Standards New Zealand

Author

British Standards Institution, European Standardization Organisations

Information type

European Standard

Format

PDF

Cited By

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Description

This European Standard, together with EN 14399-1, specifies the requirements for assemblies of high-strength structural bolts and nuts of system HR suitable for preloaded joints with large widths across flats, thread sizes M12 to M36 and property classes 8.8/8 and 10.9/10.

Bolt and nut assemblies conforming to this standard have been designed to allow preloading in accordance with ENV 1993-1-1 (Eurocode 3) and to obtain ductility predominantly by plastic elongation of the bolt. For this purpose the components have the following characteristics:

- nut height according to style 1;
- thread length of the bolt according to ISO 888.

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- [BS EN 14399-5:2015](#)

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- [BS EN 14399-6:2015](#)

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- [BS EN 26157-1:1992](#)

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- [BS EN ISO 10684:2004](#)

BS EN 14399-3:2015 cites BS EN ISO 10684:2004 Fasteners. Hot dip galvanized coatings

- [BS EN ISO 3269:2001](#)

BS EN 14399-3:2015 cites BS EN ISO 3269:2001 Fasteners. Acceptance inspection

- [BS EN ISO 6157-2:2004](#)

BS EN 14399-3:2015 cites BS EN ISO 6157-2:2004 Fasteners. Surface discontinuities. Nuts

- [BS EN ISO 898-1:2013](#)

BS EN 14399-3:2015 cites BS EN ISO 898-1:2013 Mechanical Properties Of Fasteners Made Of Carbon Steel And Alloy Steel - Part 1: Bolts, Screws And Studs With Specified Property Classes - Coarse Thread And Fine Pitch Thread (Iso 898-1:2013)

- [BS EN ISO 898-2:2012](#)

BS EN 14399-3:2015 cites BS EN ISO 898-2:2012 Mechanical Properties Of Fasteners Made Of Carbon Steel And Alloy Steel - Part 2: Nuts with specified property classes. Coarse thread and fine pitch thread

- [ISO 261:1998](#)

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- [ISO 3508:1976](#)

BS EN 14399-3:2015 cites ISO 3508:1976 Thread run-outs for fasteners with thread in accordance with ISO 261 and ISO 262

- [ISO 4759-1:2000](#)

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- [ISO 965-2:1998](#)

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- [ISO 965-5:1998](#)

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