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AS 1214-1983 Hot-dip galvanised coatings on threaded fasteners (ISO metric coarse thread series)

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Abbreviation
AS 1214-1983
Valid from
07/03/1983

Information provider
SAI Global
Author
Standards Australia
Information type
Australian Standard
Format
PDF

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Description

This Standard specifies requirements for the mass, quality, and testing of hot-dip galvanized coating on steel bolts, screws, nuts and other fasteners having ISO metric coarse threads, in the nominal size range M8 to M36 inclusive. Guidance is also given for oversize tapping allowances for fasteners, with metric coarse threads up to and including M64 diameter.

Scope

This Standard deals with the purity of the galvanizing bath, the appearance of the coating under visual examination, the mass of the coating, the adhesion of the coating, and the test methods to be adopted. It also deals with the oversize tapped screw thread limits for internal threads, but does not deal with other dimensions, depending for these on reference to relevant specifications. After galvanizing, fasteners must comply with the physical property requirements of their relevant specifications when tested in accordance with requirements specified therein.

NOTES:

1. The term 'relevant specification' refers to a specification covering the dimensions and physical properties of metric fasteners as required by the purchaser. This may be an Australian Standard (e.g. AS 1110, 1111, 1112) or any other specification cited by the purchaser.
2. ISO metric coarse threads below M8 and all ISO metric fine pitch threads, generally cannot be successfully hot-dip

galvanized without difficulty with regard to the assembly of bolt and nut.

3. This Standard does not specify a requirement for uniformity of coating. Guidance is given in Appendix D.

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This document is CITED BY:

- [B1/AS2 \(First edition, Amendment 10\)](#)

AS 1214-1983 is cited by Acceptable Solution B1/AS2: Timber Barriers from 01/07/1992

- [NZS 3101.1&2:2006](#)

AS 1214-1983 is cited by NZS 3101.1&2:2006 Concrete structures standard. The design of concrete structures

- [NZS 3604:2011](#)

AS 1214-1983 is cited by NZS 3604:2011 Timber-framed buildings

- [SH/AS1 \(First edition, unamended\)](#)

AS 1214-1983 is cited by Simple House - Acceptable Solution Revoked

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This resource cites:

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This document CITES:

New Zealand Standards

- [AS/NZS 1110:1995](#)

AS 1214-1983 cites AS/NZS 1110:1995 ISO metric precision hexagon bolts and screws

- [AS/NZS 1112:1996](#)

AS 1214-1983 cites AS/NZS 1112:1996 ISO metric hexagon nuts, including thin nuts, slotted nuts and castle nuts

- [NZS/AS 1111:1980](#)

AS 1214-1983 cites NZS/AS 1111:1980 ISO metric hexagon commercial bolts and screws

Australian Standards

- [AS 1275-1985](#)

AS 1214-1983 cites AS 1275-1985 (R2017) Metric screw threads for fasteners

- [AS 2331.1.3-2001](#)

AS 1214-1983 cites AS 2331.1.3-2001 Methods of test for metallic and related coatings - Method 1.3: Local thickness tests - Magnetic method

- [AS 2331.2.1-2001](#)

AS 1214-1983 cites AS 2331.2.1-2001 (R2017) Methods of test for metallic and related coatings - Method 2.1: Local thickness tests - Tests for average coating mass per unit area or for thickness - Dissolution methods - Strip and weigh and analytical

- [AS 2331.2.3-2001](#)

AS 1214-1983 cites AS 2331.2.3-2001 (R2017) Methods of test for metallic and related coatings - Method 2.3: Local thickness tests - Tests for average coating mass per unit area or for thickness - Hydrogen evolution method for zinc coatings

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