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AS/NZS 1110:1995
ISO 4014:1988
ISO 4017:1988

Australian/New Zealand Standard

ISO metric precision hexagon bolts and screws

[ISO titles:
ISO 4014:1988 Hexagon head bolts—Product grades A and B
ISO 4017:1988 Hexagon head screws—Product grades A and B]

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The following interests are represented on Committee ME/29:

Australian Chamber of Commerce and Industry
Bureau of Steel Manufacturers of Australia
Electricity Supply Association of Australia
Fasteners Institute of Australia
Federal Chamber of Automotive Industries
Metal Building Products Manufacturers Association
Metal Trades Industry Association of Australia
New Zealand Manufacturers Federation

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Australian/New Zealand Standard

ISO metric precision hexagon bolts and screws

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee on Fasteners to supersede AS 1110—1984, *ISO Metric hexagon precision bolts and screws.*

Major technical changes incorporated in this edition relate to the mechanical properties and testing requirements, in order to align with relevant ISO requirements. Other changes include the following:

(a) Updating of reference documents.

(b) Updating of tables to align with the latest ISO requirements.

(c) Revision of the identification marking requirements to align with ISO requirements.

(d) Inclusion of a reference to SAA HB18.22/SANZ HB18.22 in relation to a manufacturer's declaration of conformity. The Handbook contains a definition of a manufacturer and includes an example of a declaration of conformity which may be provided to a customer.

(e) Replacement of detailed requirements for materials, mechanical properties and test procedures for steel bolts and screws with references to a separate Standard.

(f) Updating of appendices.

(g) Editorial changes to align with current Standards Australia policy.

The identification marking on a fastener may now include that of a distributor or importer, this being a departure from the previously accepted practice of the marking being that of the fabricators of the product.

This Standard is technically equivalent to ISO 4014 *Hexagon head bolts—Product grades A and B*, and ISO 4017 *Hexagon head screws—Product grades A and B* and is based on the following ISO Standards:

ISO

272 Fasteners—Hexagon products—Widths across flats

885 General purpose bolts and screws—Metric series—Radii under the head

888 Bolts, screws and studs—Nominal lengths, and thread lengths for general purpose bolts

898-1 Mechanical properties of fasteners
Part 1: Bolts, screws and studs

4759-1 Tolerances for fasteners—
Part 1: Bolts, screws and nuts with thread diameters ≥ 1.6 and ≤ 150 mm and product Grades A, B and C

6157-1 Fasteners—Surface discontinuities
Part 1: Bolts, screws and studs for general requirements

6157-3 Fasteners—Surface discontinuities
Part 3: Bolts, screws and studs for special requirements

Statements expressed in mandatory terms in notes to tables are deemed to be requirements of this Standard.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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