

AS/NZS 1112:1996

Australian/New Zealand Standard®

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**ISO metric hexagon nuts, including  
thin nuts, slotted nuts and castle  
nuts**

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## **AS/NZS 1112:1996**

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME/29, Fasteners. It was approved on behalf of the Council of Standards Australia on 16 April 1996 and on behalf of the Council of Standards New Zealand on 1 May 1996. It was published on 5 October 1996.

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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  
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## PREFACE

This edition of this Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME/29 on Fasteners to supersede AS 1112—1980, *ISO metric hexagon nuts, including thin nuts, slotted nuts and castle nuts*.

Major technical changes incorporated in this edition relate to the testing requirements, in order to align with relevant ISO requirements, and the addition of property Class 12 nuts. Other changes include the following:

- (a) Updating of reference documents.
- (b) Updating of some tables to align with latest ISO requirements.
- (c) Introduction of the terms style 1 and style 2 nuts to replace normal nuts.
- (d) Revision of the identification marking requirements.
- (e) Inclusion of a reference to SAA HB 18.22/SANZ HB 18.22 in relation to a manufacturer's declaration of conformity. The Handbook contains a definition of manufacturer and includes an example of a declaration of conformity which may be provided to a customer.
- (f) Replacement of detailed requirements for materials, mechanical properties and test procedures with references to a separate Standard.
- (g) Updating of appendices.
- (h) Editorial changes to align with current Standards Australia/Standards New Zealand 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 fabricator of the product.

This Standard is based on ISO 4032:1986, *Hexagon nuts, style 1—Product grades A and B*, ISO 4033:1979, *Hexagon nuts, style 2—Product grades A and B*, ISO 4034:1986, *Hexagon nuts—Product grade C* for nuts larger than M36 and ISO 4035:1986, *Hexagon thin nuts (chamfered)—Product grades A and B*.

Statements expressed in mandatory terms in notes to tables and figures 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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## CONTENTS

	<i>Page</i>
1 SCOPE .....	4
2 REFERENCED DOCUMENTS .....	5
3 DEFINITIONS .....	5
4 METHOD OF MANUFACTURE .....	5
5 SHAPE, DIMENSION AND FINISH .....	5
6 MATERIALS AND MECHANICAL PROPERTIES OF STEEL NUTS .....	13
7 TEST METHODS FOR STEEL NUTS .....	13
8 MARKING .....	15
9 DESIGNATION .....	15
 APPENDICES	
A RECOMMENDED HEXAGON NUT SIZES FOR THREADS GREATER THAN M64 .....	16
B BASIS FOR DERIVATION OF TOLERANCES .....	17
C RECOMMENDED GAUGE AND METHOD FOR CHECKING THE SQUARENESS OF THE THREAD TO THE FACE OF THE NUT .....	18
D RECOMMENDED COMBINATIONS OF STEEL NUTS AND EXTERNALLY THREADED STEEL FASTENERS .....	19
E A SUGGESTED AUDIT SAMPLING PLAN FOR MECHANICAL PROPERTIES .....	21

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