

Australian Standard™

**ISO metric hexagon bolts and screws—
Product grade C**

Part 2: Screws

[ISO title: Hexagon head screws—Product grade C]

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Australian Chamber of Commerce and Industry
Australian Industry Group
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Electricity Supply Association of Australia
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PREFACE

This Standard was prepared by the Standards Australia Committee ME/29, Fasteners to supersede AS/NZS 1111:1996, *ISO metric hexagon commercial bolts and screws*, in part.

The objective of this Standard is to provide manufacturers, suppliers and users with the dimensions, tolerances and material requirements for hexagon head screws, ISO product grade C with ISO metric coarse threads.

This Standard is Part 2 of a two-part series on ISO metric hexagon bolts and screws. Part 1 gives the dimensions for bolts.

This edition has been technically revised and introduces the designation of product grade C in place of the term ‘commercial’ which has been used in previous editions.

NOTE: The product grade refers to the quality of the product and to the size of the tolerances where grade A is the most precise and grade C is the least precise.

This Standard is identical with and has been reproduced from ISO 4018:1999, *Hexagon head screws—Product grade C*.

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

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
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- (c) A full point should be substituted for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to equivalent Australian as follows:

<i>Reference to International Standard</i>	<i>Australian Standard</i>
ISO	AS
225	—
Fasteners—Bolts, screws, studs and nuts—Symbols and designations of dimensions	
724	—
ISO general-purpose metric screw threads—Basic dimensions	
888	—
Bolts, screws and studs—Nominal lengths, and thread lengths for general purpose bolts	
898	4291
Mechanical properties of fasteners made of carbon steel and alloy steel	Mechanical properties of fasteners made of carbon steel and alloy steel
898-1	4291.1
Part 1: Bolts, screws and nuts	Part 1: Bolts, screws and studs
965	—
ISO general purpose metric screw threads—Tolerances	
965-1	—
Part 1: Principles and basic data	
3269	—
Fasteners—Acceptance inspection	
4042	—
Fasteners—Electroplated coatings	
4759	—
Tolerances for fasteners	
4759-1	—
Part 1: Bolts, screws, studs and nuts—Product grades A, B and C	
8992	—
Fasteners—General requirements for bolts, screws, studs and nuts	
10683	—
Fasteners—Non-electrolytically applied zinc flake coatings	

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INTRODUCTION

This International Standard is part of the complete ISO product standard series on external hexagon drive fasteners. The series comprises:

- a) hexagon head bolts (ISO 4014 to ISO 4016 and ISO 8765);
- b) hexagon head screws (ISO 4017, ISO 4018 and ISO 8676);
- c) hexagon nuts (ISO 4032 to ISO 4036, ISO 8673 to ISO 8675);
- d) hexagon bolts with flange (ISO 4162 and ISO 15071);
- e) hexagon nuts with flange (ISO 4161 and ISO 10663);
- f) structural bolts and nuts (ISO 4775, ISO 7411 to ISO 7414 and ISO 7417).

AUSTRALIAN STANDARD

ISO metric hexagon bolts and screws—Product grade C

Part 2: Screws

1 Scope

This International Standard specifies the characteristics of hexagon head screws with threads from M5 up to and including M64, of product grade C.

NOTE This type of product is the same as that covered by ISO 4016 with the exception of threading up to head.

If, in special cases, specifications other than those listed in this International Standard are required, they should be selected from existing International Standards, for example ISO 724, ISO 888, ISO 898-1, ISO 965-1 and ISO 4759-1.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 225:1983, *Fasteners — Bolts, screws, studs and nuts — Symbols and designations of dimensions.*

ISO 724:1993, *ISO general-purpose metric screw threads — Basic dimensions.*

ISO 888:1976, *Bolts, screws and studs — Nominal lengths, and thread lengths for general purpose bolts.*

ISO 898-1:1999, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs.*

ISO 965-1:1998, *ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data.*

ISO 3269:—¹⁾, *Fasteners — Acceptance inspection.*

¹⁾ To be published. (Revision of ISO 3269:1988)