

Australian/New Zealand Standard™

Hexagon flange head tapping screws



AS/NZS 4410:2015

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME-029, Fasteners. It was approved on behalf of the Council of Standards Australia on 28 September 2015 and on behalf of the Council of Standards New Zealand on 29 September 2015.
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The following are represented on Committee ME-029:

Association of Accredited Certification Bodies
Association of Wall and Ceiling Industries of Australia and New Zealand
Australasian Corrosion Association
Australian Chamber of Commerce and Industry
Australian Engineered Fasteners and Anchors Council
Australian Industry Group
Australian Steel Institute
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-029, Fasteners, to supersede AS/NZS 4410:1996.

The objective of this Standard is to provide the dimensions and mechanical properties of a standard range of hexagon flange head tapping screws.

The objective of the revision is to adopt the current edition of ISO 10509.

This Standard is identical with, and has been reproduced from ISO 10509:2012, *Hexagon flange head tapping screws*.

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

- (a) In the source text ‘this International Standard’ should read ‘this Australian/New Zealand Standard’.
- (b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by reference to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian or Australian/New Zealand Standard</i>
ISO	AS
4759 Tolerances for fasteners	5066 Tolerances for ISO metric bolts, screws,
4759-1 Part 1: Bolts, screws, studs and nuts— Product grades A, B and C	studs and nuts—Product grades A, B and C

Only normative references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

The term ‘normative’ has been used in this Standard to define the application of the annex to which it applies. A ‘normative’ annex is an integral part of a Standard.

AUSTRALIAN/NEW ZEALAND STANDARD

Hexagon flange head tapping screws**1 Scope**

This International Standard specifies hexagon flange head tapping screws with threads from ST2,2 up to and including ST9,5.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 225, *Fasteners — Bolts, screws, studs and nuts — Symbols and descriptions of dimensions*

ISO 1478, *Tapping screws thread*

ISO 2702, *Heat-treated steel tapping screws — Mechanical properties*

ISO 3269, *Fasteners — Acceptance inspection*

ISO 3506-4, *Mechanical properties of corrosion-resistant stainless steel fasteners — Part 4: Tapping screws*

ISO 4042, *Fasteners — Electroplated coatings*

ISO 4759-1, *Tolerances for fasteners — Part 1: Bolts, screws, studs and nuts — Product grades A, B and C*

ISO 8992, *Fasteners — General requirements for bolts, screws, studs and nuts*

ISO 10683, *Fasteners — Non-electrolytically applied zinc flake coatings*

ISO 16048, *Passivation of corrosion-resistant stainless-steel fasteners*

3 Dimensions

For the dimensions, see Figure 1 and Table 1.

Symbols and descriptions of dimensions are specified in ISO 225.