

Australian/New Zealand Standard™

Hexagon head tapping screws



AS/NZS 4402:2015

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 24 July 2015 and on behalf of the Council of Standards New Zealand on 24 July 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
Australian Technical Infrastructure Committee
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Employers and Manufacturers Association
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We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR AS/NZS 4402:2015.

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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 4402:1996.

The objective of this Standard is to specify the dimensions and mechanical properties of a standard range of heat-treated steel hexagon head tapping screws.

This Standard is identical with, and has been reproduced, from ISO 1479:2011, *Hexagon 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/New Zealand Standard</i> |
|--|---|
| ISO | AS/NZS |
| 1478 Tapping screws thread | 4411 Tapping screws thread |
| 2702 Heat-treated steel tapping screws— Mechanical properties | 4412 Heat-treated steel tapping screws— Mechanical properties |
| | AS |
| 4759 Tolerances for fasteners | |
| 4759-1 Part 1: Bolts, screws, studs and nuts— Product grades A, B and C | 5066 Tolerances for ISO metric bolts, screws, 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.

AUSTRALIAN/NEW ZEALAND STANDARD

Hexagon head tapping screws**1 Scope**

This International Standard specifies the characteristics of hexagon head tapping screws with thread size from ST 2,2 to ST 9,5 inclusive.

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*