

Australian Standard™

**Self-drilling screws for the building and  
construction industries**

**Part 1: General requirements and  
mechanical properties**

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This Australian Standard was prepared by Committee ME-029, Fasteners. It was approved on behalf of the Council of Standards Australia on 28 February 2002 and published on 19 March 2002.

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**Self-drilling screws for the building and  
construction industries**

**Part 1: General requirements and  
mechanical properties**

Formulated as AS 3566—1998.

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## PREFACE

This Standard was prepared by the Standards Australia Committee ME-029, Fasteners to supersede (in part) AS 3566—1988, *Screws—Self-drilling—For the building and construction industries*.

The objective of this Standard is to provide manufacturers and users with the general requirements and mechanical properties for self-drilling screws used in the building and construction industries.

This Standard is Part 1 of a two-part series dealing with self-drilling screws for the building and construction industries. Part 2 specifies the corrosion resistance requirements for self-drilling screws.

The size designations given in AS/NZS 4411:1996, *Tapping screws thread* have been adopted in this Standard. The equivalent screw number designations used in the 1988 edition are given in parenthesis.

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

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

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## STANDARDS AUSTRALIA

## Australian Standard

## Self-drilling screws for the building and construction industries

## Part 1: General requirements and mechanical properties

## SECTION 1 SCOPE AND GENERAL REQUIREMENTS

**1.1 SCOPE**

This Standard specifies the general requirements and mechanical properties for the following types of self-drilling screws used in the building and construction industries:

- (a) Screws for drilling and tapping into layered or unlayered steel of 0.9 mm minimum total thickness.
- (b) Screws for drilling and tapping into timber.
- (c) Screws for fixing plasterboard to steel with a maximum thickness of 0.8 mm.

**1.2 APPLICATION**

Self-drilling screws shall comply with Section 1 and with the relevant requirements of Sections 2, 3 and 4 and AS 3566.2.

**1.3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

## AS

1397 Steel sheet and strip—Hot-dipped zinc-coated or aluminium/zinc-coated

4291 Mechanical properties of fasteners made of carbon steel and alloy steel

4291.1 Part 1: Bolts, screws and studs

3566 Self-drilling screws for the building and construction industries

3566.2 Part 2: Corrosion resistance requirements

HB 18 Guidelines for third-party certification and accreditation

HB 18.22 Clause 22: Information on manufacturers' declaration of conformity with standards or other technical specifications

## AS/NZS

1080 Timber—Methods of test

1080.1 Method 1: Moisture content

1080.3 Method 3: Density

4406 Cross recessed pan head tapping screws

4407 Cross recessed countersunk (flat) head tapping screws (common head style)

## ISO

272 Fasteners—Hexagon products—Widths across flats

4757 Cross recesses for screws