

Australian Standard<sup>®</sup>

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**Hand-operated screwdrivers and  
screwdriver bits**

**Part 3: Bits for manually driven  
and power-driven screwdrivers**

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This Australian Standard was prepared by Committee ME/10, Small Tools. It was approved on behalf of the Council of Standards Australia on 12 December 1989 and published on 11 June 1990.

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## PREFACE

This Standard was prepared by the Standards Australia Committee on Small Tools. It has been based on ISO 2351, *Screwdriver bits for slotted head screws, with male hexagon drive*, and acknowledgment is made of the assistance therefrom.

This Standard is one of a series on hand-operated screwdrivers and screwdriver bits. Other Standards in the series are as follows:

AS

- 3527 Hand-operated screwdrivers and screwdriver bits
- 3527.1 Part 1: Screwdrivers for slotted and cross-recessed fasteners
- 3527.2 Part 2: Insulated screwdrivers

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## STANDARDS AUSTRALIA

## Australian Standard

## Hand-operated screwdrivers and screwdriver bits

## Part 3—Bits for manually driven and power-driven screwdrivers

**1 SCOPE.** This Standard specifies the minimum requirements for bits for manually driven and hand-held power-driven screwdrivers with external hexagon drives for use with slotted and cross-recessed fasteners as specified in AS 1427 and AS 1476.

**2 REFERENCED DOCUMENTS.** The following documents are referred to in this Standard:

AS

1427	ISO metric machine screws
1442	Carbon steels and carbon-manganese steels — Hot-rolled bars and semi-finished products
1444	Wrought alloy steels — Standard and hardenability (H) series
1476	Metric wood screws
1654	Limits and fits for engineering
1815	Method for Rockwell hardness test
1815.1	Part 1: Testing of metals
1817	Method for Vickers hardness test
1817.1	Part 1: Testing of metals
3527	Hand-operated screwdrivers and screwdriver bits
3527.1	Part 1: Screwdrivers for slotted and cross-recessed fasteners
3722	Assembly tools for bolts and screws — Hexagon drive ends for hand-operated and machine-operated screwdriver bits

ISO

2380	Screwdriver blades for slotted head screws
8764	Driver points to fit cross-recessed head screws

**3 DEFINITIONS.** For the purpose of this Standard, the definitions given in AS 3527.1 and those below apply.

**3.1 Screwdriver bit**—a bit with an external hexagon form at one end and a screwdriver point form at the other.

**3.2 Internal hexagon drive**—an internal hexagon form which mates with the external hexagon form of the screwdriver bit to enable a torsional force to be applied to the screwdriver bit.

**3.3 Shall**—indicates that a statement is mandatory.

**3.4 Should**—indicates a recommendation.

#### 4 DESIGNATION.

**4.1 Screwdriver bits for slotted fasteners.** Screwdriver bits for slotted fasteners shall be designated according to—

- the hexagon drive form;
- the nominal 'across flats' dimension of the hexagon drive in millimetres; and
- the blade type, the blade nominal thickness, and the blade nominal width given in ISO 2380.

**4.2 Screwdriver bits for cross-recessed fasteners.** Screwdriver bits for cross-recessed head fasteners shall be designated according to—

- the hexagon drive form;
- the nominal 'across flats' dimension of the hexagon drive in millimetres; and
- the point number and point type given in AS 3527.1.

#### 5 SHAPE AND DIMENSIONS.

**5.1 External hexagon drives.** The shape and dimensions of the external hexagon drives shall be as specified in AS 3722.