Australian Standard®

Hand-operated screwdrivers and screwdriver bits

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

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Department of Technical and Further Education, New South Wales
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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—

(a) the hexagon drive form;

(b) the nominal 'across flats' dimension of the hexagon drive in millimetres; and

(c) 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—

(a) the hexagon drive form;

(b) the nominal 'across flats' dimension of the hexagon drive in millimetres; and

(c) 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.