

Australian Standard<sup>®</sup>

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**HAND-OPERATED  
SCREWDRIVERS AND  
SCREWDRIVER BITS**

**Part 1—SCREWDRIVERS FOR  
SLOTTED AND CROSS-  
RECESSED FASTENERS**

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Bureau of Steel Manufacturers of Australia  
Confederation of Australian Industry  
Deakin University  
Department of Industrial Relations and Employment, N.S.W.  
Department of Technical and Further Education, N.S.W.  
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## PREFACE

This Standard was prepared by the Association's Committee on Hand Tools.

International Standard ISO 2380, *Screwdriver blades for slotted head screws*, and Draft International Standard ISO/DIS 8764, *Driver points to fit cross-recessed head screws*, were used as a basis for this Standard.

This Standard is Part 1 of a series on hand-operated screwdrivers and screwdriver bits. Other parts will deal with insulated screwdrivers (Part 2) and bits for manually driven and power-driven screwdrivers (Part 3).

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## STANDARDS ASSOCIATION OF AUSTRALIA

## Australian Standard

## HAND-OPERATED SCREWDRIVERS AND SCREWDRIVER BITS—

## PART 1: SCREWDRIVERS FOR SLOTTED AND CROSS-RECESSED FASTENERS

**1 SCOPE.** This Standard specifies requirements for the dimensions, materials, heat treatment, marking, finish, and mechanical properties of hand-operated screwdrivers for use with both slotted and cross-recessed fasteners as specified in AS 1427 and AS 1476.

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

AS 1192	Electroplated coatings—Nickel and chromium
AS 1427	ISO metric machine screws
AS 1442	Carbon steels and carbon-manganese steels—Hot-rolled bars and semi-finished products
AS 1444	Wrought alloy steels—Standard and hardenability (H) series
AS 1476	Metric wood screws
AS 1789	Electroplated coatings—Zinc on iron or steel
AS 1815	Method for Rockwell hardness test Part 1: Testing of metals (AS 1815.1).
AS 1817	Method for Vickers hardness test Part 1: Testing of metals (AS 1817.1).

**3 DEFINITIONS.** For the purpose of this Standard, the definitions below apply.

**3.1 Hand-operated screwdriver**—a hand tool having a handle suitable for gripping in the hand and a point with either a rectangular end-section for use with fasteners having a slotted head or a cruciform section for use with fasteners having a cross-recessed head.

A typical hand-operated screwdriver for fasteners having a slotted head and screwdriver nomenclature, is shown in Figure 1.

**3.2 Flared point screwdriver**—a screwdriver for fasteners with a slotted head and having a bearing face which is tapered towards the point of the blade as shown in Figure 1.

NOTE: Flared point screwdrivers are specified in the sizes with nominal blade diameters of 6.3 mm and larger (see Figure 3).

**3.3 Non-flared point screwdriver**—a screwdriver for fasteners with a slotted head, and having a bearing face which is straight and not tapered towards the point of the blade.

NOTE: Non-flared point screwdrivers are specified in the sizes with nominal blade diameters of not more than 6.3 mm (see Figure 4).

**3.4 Cruciform point screwdriver**—a screwdriver for fasteners with a cross-recessed head, and having a cruciform point of the blade.

NOTE: Cruciform point screwdrivers are classified according to the shape of the point as—

- cruciform point screwdriver—Type PH (Phillips), shown in Figure 5; and
- cruciform point screwdriver—Type PZ (Pozi driv), shown in Figure 6.

**3.5 Short-series screwdriver**—a screwdriver with short blade for special applications (blade length equal to or less than 50 mm). A typical short-series screw driver for fasteners with a slotted head is shown in Figure 2.

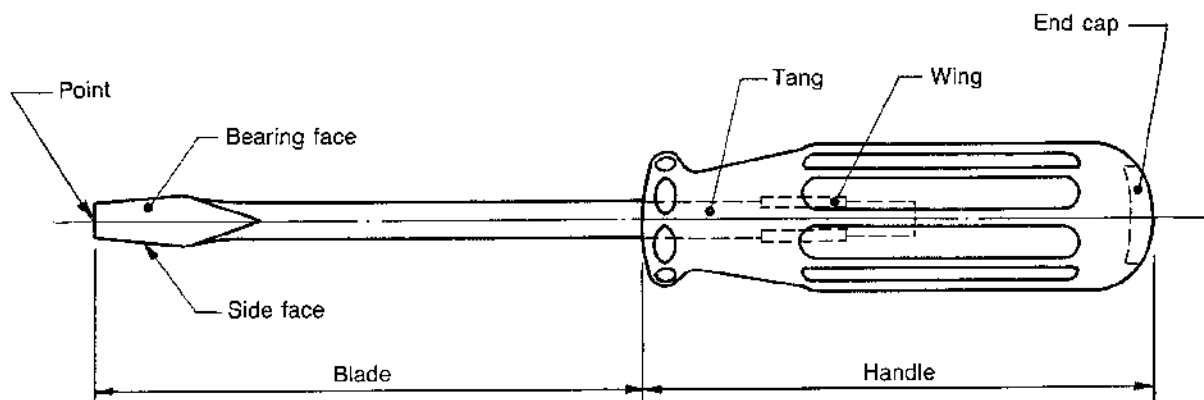


FIGURE 1. NOMENCLATURE OF SCREWDRIVER