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☞ JIS B 4609 : 1998

Screwdrivers for slotted-head screws

ICS 25.140.30

Descriptors : screwdrivers, hand tools, slotted-head fasteners

Reference number : JIS B 4609 : 1998 (E)

B 4609 : 1998

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently JIS B 4609 : 1991 is replaced with JIS B 4609 : 1998.

In this revision, Annex to this Standard has been prepared based on corresponding International Standards without any modification of technical contents to conform between JIS and ISOs. Further, a partial content of the former Standard has been amended in the body of this Standard.

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Screwdrivers for slotted-head screws

Introduction This Standard is the Japanese Industrial Standard prepared based on the International Standards shown in the Remarks, providing the classification and grade specified conventionally in the Japanese Industrial Standard and their shape and dimensions, quality, inspection, designation of products and marking in the body, and without modifying their technical contents in Annex while supplements the provisions not specified in the corresponding International Standards (material, shape and dimensional test, inspection, designation and marking) as a part of Japanese Industrial Standard.

The provisions or phrases underlined with dots in Annex are the matters not specified in the corresponding International Standards.

Remarks : The International Standards corresponding to this Standard are as follows:

ISO/DIS 2380-1 : 1996 Screwdrivers for slotted-head screws—Part 1 : Tips for hand- and machine-operated screwdrivers

ISO 2380-2 : 1992 Screwdrivers for slotted-head screws—Part 2 : General requirements, lengths of blades and marking of hand-operated screwdrivers

1 Scope This Japanese Industrial Standard specifies the screwdrivers used mainly for assembly or disassembly of slotted-head machine screws⁽¹⁾, wood screws⁽²⁾ and tapping screws⁽³⁾.

Notes (1) See JIS B 1101.

(2) See JIS B 1135.

(3) See JIS B 1115.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards indicated below (including amendments) shall be applied.

JIS B 1101 *Slotted head screws*

JIS B 1115 *Slotted head tapping screws*

JIS B 1135 *Slotted head wood screws*

JIS B 1501 *Steel balls for ball bearings*

JIS B 7726 *Rockwell and Rockwell superficial hardness testing machines*

JIS G 3506 *High carbon steel wire rods*

JIS Z 2245 *Method of Rockwell and Rockwell superficial hardness test*

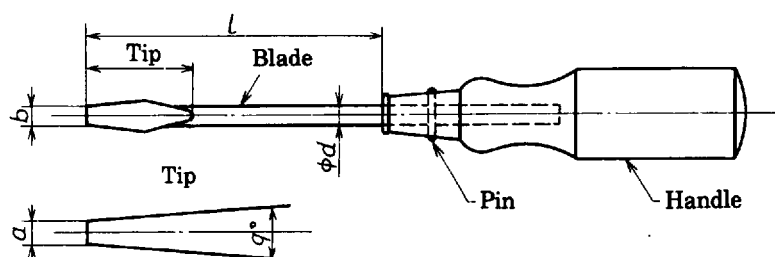
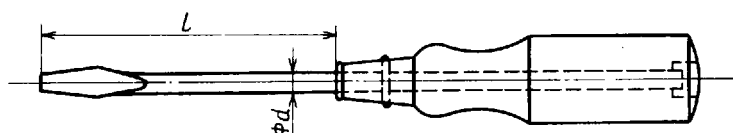
3 Classification Screwdrivers shall be divided into 4 types by the combination of each classification given in Table 1.

Table 1 Classification

By the blade-to-handle assembly	Ordinary type, Through type
By the magnetic property	Magnetic, Non-magnetic

4 Grade Screwdrivers shall be divided into 2 grades of normal and heavy duty classes by the quality and dimensions.

5 Shape and dimensions The shape and dimensions of screwdrivers shall be as given in Table 2. The shape of handle in the drawings is shown as an example.

Table 2 Shape and dimensions of blade and handle**Ordinary type****Through Type**

Unit : mm

Nominal size	Blade					Tip			
	l ⁽⁴⁾	d ⁽⁵⁾				a		b	
		Heavy duty		Normal class		Basic size	Tolerance	Basic size	Tolerance
		Basic size	Tolerance	Basic size	Tolerance				
4.5 × 50	50	5	+0.4 -0.2	5	+0.4 -0.2	0.6	±0.1	4.5	±0.2
5.5 × 75	75	5.5		5		0.7		5.5	±0.3
6 × 100	100	6		5.5		0.8		6	
7 × 125	125	7		6		0.9		7	
8 × 150	150	8		7		1.0		8	
9 × 200	200	9		8		1.1		9	
10 × 250	250	9		8		1.2		10	
10 × 300	300	9		8		1.2		10	

Notes (4) The dimension, *l* may be shortened according to the use.

(5) The dimension, *d* indicates either the diameter for round types or the width across flats for angular types.

Remarks : The blade-to-handle joining may be by a suitable means without pin.