

INTERNATIONAL STANDARD

ISO
8764-2

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Screwdrivers for cross-recessed head screws —

Part 2:

General requirements, lengths of blades and
marking of hand-operated screwdrivers

Tournevis pour vis à empreinte cruciforme —

*Partie 2: Spécifications générales, longueurs des lames et marquage des
tournevis à main*



Reference number
ISO 8764-2:1992(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 8764-2 was prepared by Technical Committee ISO/TC 29, *Small tools*, Sub-Committee SC 10, *Spanners and wrenches*.

ISO 8764 consists of the following parts, under the general title *Screwdrivers for cross-recessed head screws*:

- *Part 1: Driver points*
- *Part 2: General requirements, lengths of blades and marking of hand-operated screwdrivers*

Annex A of this part of ISO 8764 is for information only.

Screwdrivers for cross-recessed head screws —

Part 2:

General requirements, lengths of blades and marking of hand-operated screwdrivers

1 Scope

This part of ISO 8764 specifies general requirements, lengths of blades and marking of hand-operated screwdrivers for H and Z cross-recessed head screws as specified in ISO 4757.

Requirements for blade tips are given in ISO 8764-1.

NOTE 1 Screwdrivers for cross-recessed head screws are listed under number 106 in ISO 1703:1983.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 8764. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 8764 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 272:1982, *Fasteners — Hexagon products — Widths across flats*.

ISO 1703:1983, *Assembly tools for screws and nuts — Nomenclature*.

ISO 4757:1983, *Cross recesses for screws*.

ISO 4759-1:1978, *Tolerances for fasteners — Part 1: Bolts, screws and nuts with thread diameters between 1,6 (inclusive) and 150 mm (inclusive) and product grades A, B and C*.

ISO 8764-1:1992, *Screwdrivers for cross-recessed head screws — Part 1: Driver points*.

3 General requirements

The material, shape and finish of the handle shall ensure use under normal conditions.

The handle and the blade shall show neither roughness nor faults which could cause accidents during use.

4 Blade lengths

The lengths of blades are specified in table 1 according to the point size PH and PZ of the screwdrivers as defined in ISO 8764-1. Two series of lengths are provided.

NOTE 2 Figures 1 and 2 are given as examples and are not intended to affect the manufacturer's design.

Table 1 — Lengths of screwdriver blades for cross-recessed head screws

Dimensions in millimetres

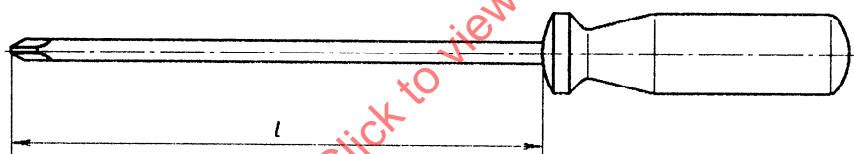
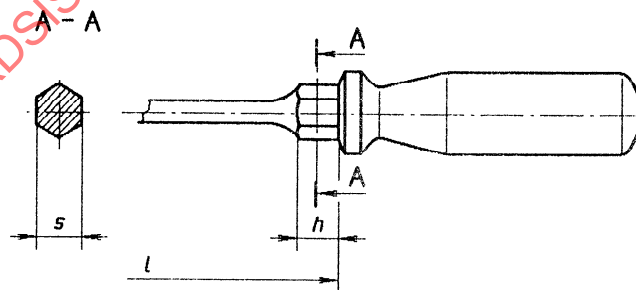
Point sizes for driver types PH and PZ No.	l +5 0	
	Series A	Series B
0		60
1	25 (35)	75 (80)
2	25 (35)	100
3		150
4		200
NOTE — The dimensions in parentheses are non-preferred.		

From point size 2, screwdrivers with hexagonal driver near the handle are permitted (see figure 2); widths across flats s and the corresponding tolerances shall be in conformity with ISO 272 and ISO 4759-1. The dimension $h_{\min}$ is determined by the formula

$$h_{\min} = 0,5 s$$

5 Marking

The marking of the type of point, PZ or PH, the point size and the trademark shall be legible and indelible under normal conditions of use. Indication of the blade length is optional, but when given it shall correspond to the nominal length given in table 1.

**Figure 1****Figure 2**

Annex A
(informative)

Bibliography

- [1] ISO 1703:1983, *Assembly tools for screws and nuts — Nomenclature*.
- [2] ISO 4757:1983, *Cross recesses for screws*.

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