

INTERNATIONAL
STANDARD

ISO
2380-1

First edition
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Screwdrivers for slotted-head screws —

Part 1 :

Tips for hand- and machine-operated screwdrivers

Tournevis pour vis à tête fendue —

Partie 1 : Extrémités de tournevis à main et à machine



Reference number
ISO 2380-1 : 1989 (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 approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 2380-1 was prepared by Technical Committee ISO/TC 29, *Small tools*.

This first edition of ISO 2380-1 cancels and replaces ISO 2380 : 1979, of which it constitutes a technical revision.

ISO 2380 will consist of the following parts, under the general title *Screwdrivers for slotted-head screws* :

- *Part 1: Tips for hand- and machine-operated screwdrivers*
- *Part 2: Lengths*

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Screwdrivers for slotted-head screws —

Part 1 :

Tips for hand- and machine-operated screwdrivers

1 Scope

This part of ISO 2380 specifies the designation, shape and dimensions of the tips of hand- and machine-operated screwdrivers for slotted-head screws. It also gives the technical specifications and test conditions for the screwdrivers and, in the case of hand-operated screwdrivers, specifies the test torque which the blade-to-handle connection shall withstand.

2 Designation of the tips

The designation of the tips shall include, in the following order :

- a) "Tip";
- b) the type;

c) the nominal thickness, a , in millimetres;

d) the nominal width, b , in millimetres.

EXAMPLE

The designation for a tip, type A, of nominal thickness 1,2 mm and of nominal width 8 mm is as follows :

Tip type A-1,2 × 8

3 Shape and dimensions of the tips

3.1 Shape

The shape of screwdriver tips is left to the choice of the manufacturer.

3.2 Dimensions

Only the dimensions specified in tables 1 and 2 shall be observed.

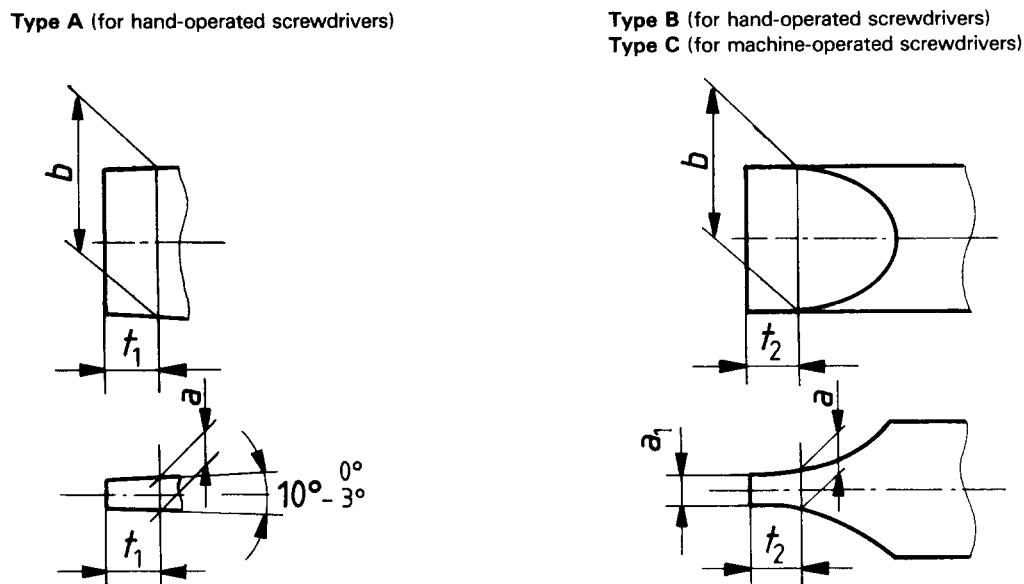


Figure 1

Table 1 — Hand-operated screwdriver tips

Dimensions and tolerances in millimetres

| Nominal thickness <i>a</i> | Nominal width <i>b</i> | Types A and B | | | | Test torque <i>M</i> _{min} daN · m | |
|-------------------------------|---------------------------|------------------------------------|-----|-----------------------|---|---|------|
| | | Tolerances on <i>a</i> <i>b</i> | | <i>t</i> ₁ | <i>a</i> ₁ ^{*)} min. | | |
| 0,4 | 2 | +0,06 -0,02 | h13 | 0,2 | 0,3 | 0,7 | 0,03 |
| | 2,5 | | | 0,3 | 0,4 | 0,9 | 0,04 |
| 0,5 | 3 | | | 0,4 | 0,5 | 1,1 | 0,07 |
| 0,6 | 3,5 | | | 0,5 | 0,6 | 1,4 | 0,13 |
| 0,8 | 4 | +0,06 -0,04 | h13 | 0,6 | 0,8 | 1,8 | 0,26 |
| 1 | 5,5 | | | 0,7 | 1 | 2,2 | 0,55 |
| 1,2 | 6,5 | | | | | | 0,94 |
| | 8 | | | | | | 1,15 |
| 1,6 | 8 | ± 0,06 | h13 | 1 | 1,3 | 2,9 | 2,05 |
| | 10 | | | | | | 2,56 |
| 2 | 12 | | | 1,2 | 1,6 | 3,6 | 4,8 |
| 2,5 | 14 | | | 1,5 | 2 | 4,5 | 8,75 |

*) *a*₁ < *a*