

---

---

**Assembly tools for screws and nuts —  
Spiral ratchet screwdriver ends —  
Dimensions**

*Outils de manœuvre pour vis et écrous — Entraînement pour tournevis  
automatiques — Dimensions*



**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

STANDARDSISO.COM : Click to view the full PDF of ISO 2352:2000

© ISO 2000

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.ch](mailto:copyright@iso.ch)  
Web [www.iso.ch](http://www.iso.ch)

Printed in Switzerland

## 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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 2352 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 10, *Assembly tools for screws and nuts, pliers and nippers*.

This third edition cancels and replaces the second edition (ISO 2352:1982), which has been technically revised.



# Assembly tools for screws and nuts — Spiral ratchet screwdriver ends — Dimensions

## 1 Scope

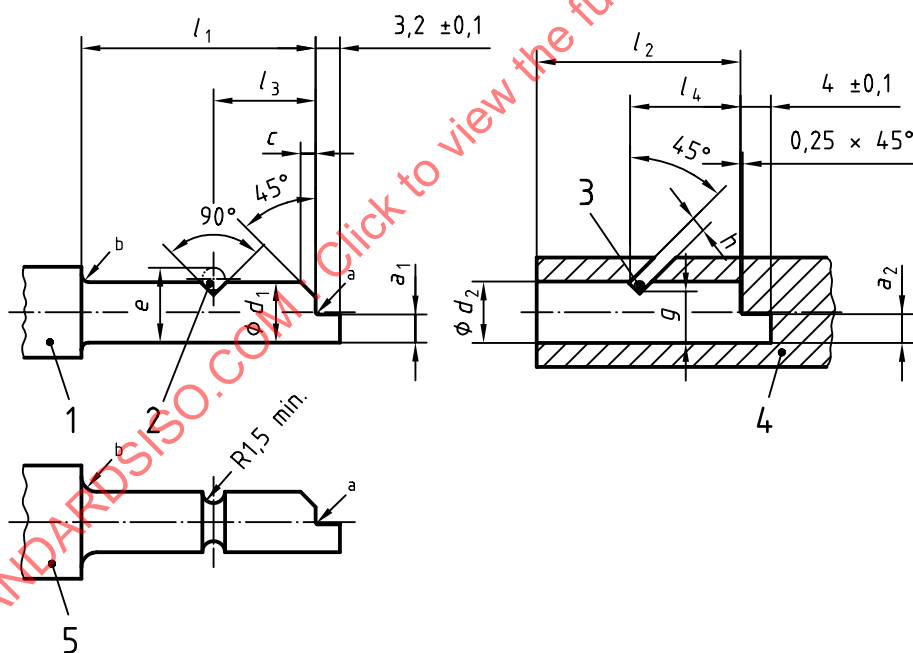
This International Standard specifies the interchangeability dimensions of the male (Form A and Form B) and female (Form C) parts of spiral ratchet screwdriver ends.

The dimensions of the ball diameter of its seating on the female side are left to the discretion of the manufacturer.

## 2 Dimensions

See Figure 1 and Table 1.

Dimensions in millimetres



### Key

- 1 Form A, male part
- 2 Test ball  $\varnothing 3 \begin{smallmatrix} 0 \\ -0,01 \end{smallmatrix}$
- 3 Test wire  $\varnothing d_3$
- 4 Form C, female part
- 5 Form B, male part

- a  $R 0,2 \text{ max. or } 0,2 \text{ max.} \times 45^\circ$
- b  $R 3 \text{ max. or } 3 \times 45^\circ \text{ max.}$

Figure 1 — Spiral ratchet screwdriver ends

Table 1 — Dimensions

Dimensions in millimetres

| Nominal dimensions | Male part, Form A and Form B                       |                                                          |     |                                                    |       |           | Female part Form C |       |       |                                                    |           |       |           |
|--------------------|----------------------------------------------------|----------------------------------------------------------|-----|----------------------------------------------------|-------|-----------|--------------------|-------|-------|----------------------------------------------------|-----------|-------|-----------|
|                    | $d_1$                                              | $a_1$                                                    | $c$ | $e$                                                | $l_1$ | $l_3$     | $d_2$              | $d_3$ | $a_2$ | $g$                                                | $h$       | $l_2$ | $l_4$     |
|                    | $\begin{smallmatrix} 0 \\ - 0,1 \end{smallmatrix}$ | $\begin{smallmatrix} - 0,05 \\ - 0,20 \end{smallmatrix}$ |     | $\begin{smallmatrix} 0 \\ - 0,2 \end{smallmatrix}$ | min.  | $\pm 0,1$ | $\pm 0,05$         |       | min.  | $\begin{smallmatrix} + 0,1 \\ 0 \end{smallmatrix}$ | $\pm 0,1$ | max.  | $\pm 0,1$ |
| <b>5,5</b>         | 5,5                                                | 2,6                                                      | 1   | 7,7                                                | 27    | 11,1      | 5,6                | 1,2   | 2,7   | 4,7                                                | 2         | 23    | 12,1      |
| <b>7</b>           | 7                                                  | 3,3                                                      | 1,6 | 9,2                                                | 31    | 13,5      | 7,1                | 1,4   | 3,4   | 6,1                                                | 2         | 27    | 14,6      |
| <b>8</b>           | 8                                                  | 3,7                                                      | 2   | 9,9                                                | 31    | 13,5      | 8,1                | 1,4   | 3,8   | 6,8                                                | 2         | 27    | 14,6      |

### 3 Designation

A spiral ratchet screwdriver end in accordance with this standard shall be designated by:

- "male part" or "female part";
- the reference to this standard, i.e. ISO 2352;
- the form, i.e. A, B or C;
- the nominal dimension.

EXAMPLE 1 Designation of a spiral ratchet screwdriver end, male part, Form A, of nominal dimension 5,5 is designated as follows:

**Male part ISO 2352-A 5,5**

EXAMPLE 2 Designation of a spiral ratchet screwdriver end, male part, Form B, of nominal dimension 7 is designated as follows:

**Male part ISO 2352-B 7**

EXAMPLE 3 Designation of a spiral ratchet screwdriver end, female part, Form C, of nominal dimension 8 is designated as follows:

**Female part ISO 2352-C 8**