INTERNATIONAL STANDARD

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Third edition
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Tools for pressing — Guide pillars —

Part 5: Type D, end-locking pillars with flange

Outillage de presse — Colonnes de guidage —

Partie 5: Type D, colonnes à retenue inférieure, démontables

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 8, *Tools for pressing and moulding.*

This third edition cancels and replaces the second edition (ISO 9182-5:2013), which has been technically revised.

The main changes compared to the previous edition are as follows:

— addition of surface roughness indications on diameter d_1;

— correction of the indication of the tolerance on diameter d_1;

— updating of the Bibliography.

A list of all parts in the ISO 9182 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Tools for pressing — Guide pillars —

Part 5:
Type D, end-locking pillars with flange

1 Scope

This document specifies the dimensions and tolerances of guide pillars, type D, end-locking pillar with flange, intended for use in press tools.

It gives guidance on the materials and specifies the hardness and the designation of guide pillars which meet the requirements of this document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6753-1, *Tools for pressing and moulding — Machined plates — Part 1: Machined plates for press tools*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

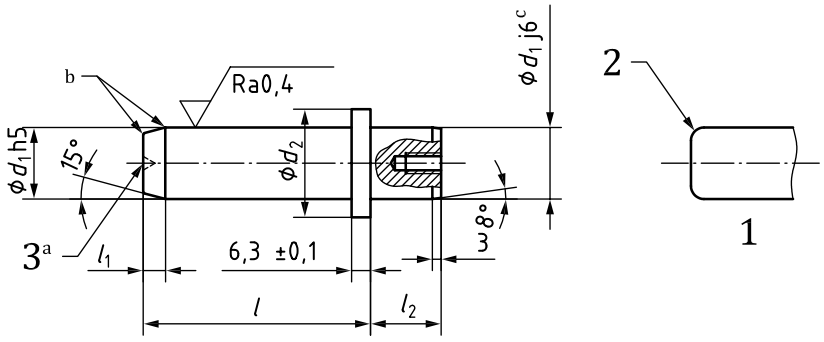
— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

4 Dimensions

The dimensions of end-locking guide pillar with flange (type D) shall conform to the indications of Figure 1 and Table 1.

Dimensions in millimetres
Surface roughness value in micrometres



Key

1 alternative

2 radius

3 centres

NOTE Tolerance classes and limit deviations are defined in ISO 286-2.

a Optional.

b Slightly rounded. The values of the radii are left to the manufacturer's discretion.

c The tolerance j6 can be reduced for a certain part of length l_2, to act as a pilot for fitting purposes.

Figure 1 — End-locking guide pillar with flange