
Tools for pressing — Guide pillars —
Part 1:
Types

Outillage de presse — Colonnes de guidage —
Partie 1: Types

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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 document 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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

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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 9182-1:2013) which has been technically revised.

The main changes are as follows:

- new type B1 and type B2;
- deletion of the alternative form with radius for guide pillar end.

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 1: Types

1 Scope

This document illustrates four main types of guide pillars and their methods of mounting.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definition are listed in this document.

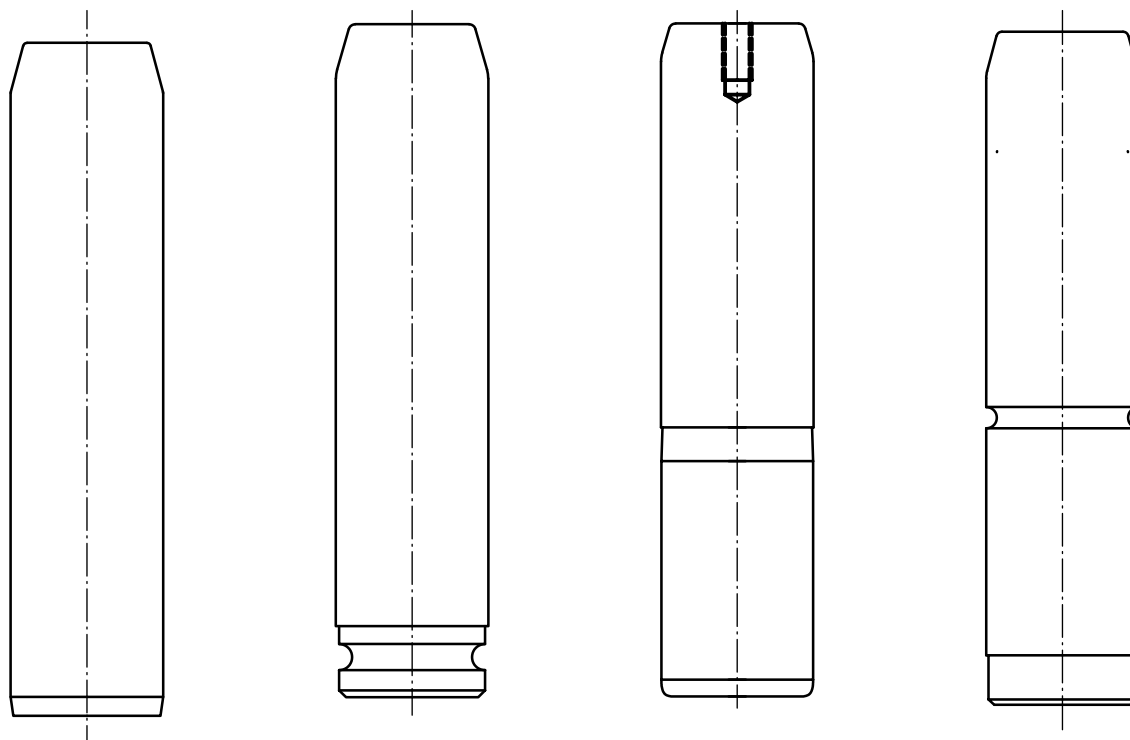
ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Types, methods of mounting

The guide pillars represented in [Figure 1](#) illustrate the types only; these representations shall not influence the manufacturer's design.

The detailed dimensions of each type of guide pillar are given in the appropriate part of the ISO 9182 series.



Type A1 — Straight guide pillars

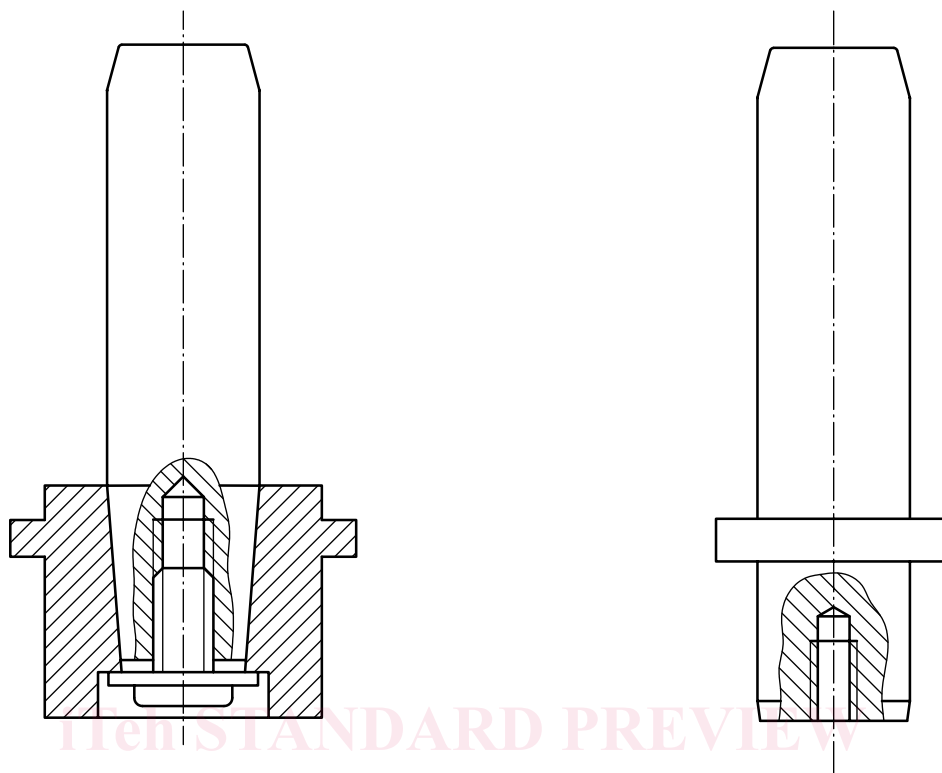
Type A2 — Straight guide pillars with end-locking and locking ring

Type B1 — End-locking guide pillar

Type B2 — Guide pillars with centre-locking and locking ring

Type A — Straight guide pillars (see ISO 9182-2)

Type B — End-locking guide pillars (see ISO 9182-3)



Type C — Guide pillars with taper lead and bush
(see ISO 9182-4)

Type D — End-locking guide pillars with flange
(see ISO 9182-5)

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<https://standards.iteh.ai/> **Figure 1 — Guide pillar types** [054-4113-8004-76499472c89b/iso-9182-1-2023](https://standards.iteh.ai/standards.iteh.ai/054-4113-8004-76499472c89b/iso-9182-1-2023)

Bibliography

- [1] ISO 9182-2, *Tools for pressing — Guide pillars — Part 2: Type A, straight pillars*
- [2] ISO 9182-3, *Tools for pressing — Guide pillars — Part 3: Type B, end-locking pillars*
- [3] ISO 9182-4, *Tools for pressing — Guide pillars — Part 4: Type C, pillars with taper lead and bush*
- [4] ISO 9182-5, *Tools for pressing — Guide pillars — Part 5: Type D, end-locking pillars with flange*

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