
**Tools for moulding — Ejector sleeves
with cylindrical head — Basic series
for general purposes**

*Outillage de moulage — Éjecteurs tubulaires à tête cylindrique —
Série de base pour usages généraux*



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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).

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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 fourth edition cancels and replaces the third edition (ISO 8405:2013) which has been technically revised.

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

- addition of ejector sleeves of diameter 0,8, 1,2, 1,5, 1,6, 1,7, 3,5, 3,7, 4,5, 7, 8,5, 9, 10,5, 11, 14 and 16;
- correction of the formulae giving the value of concentricity tolerance, t ;
- addition of a surface roughness of 1,6 at the end of the ejector sleeve shaft and of 3,2 on diameter D_3 ;
- modification of the indication of the hardness of shaft for hot worked steel.

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 moulding — Ejector sleeves with cylindrical head — Basic series for general purposes

1 Scope

This document specifies the dimensions and tolerances, in millimetres, of ejector sleeves with cylindrical head which are used in compression and injection moulds and in diecasting dies.

It also gives material guidelines and hardness requirements, and specifies the designation of ejector sleeves with cylindrical head.

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 6751, *Tools for moulding — Ejector pins with cylindrical head*

3 Terms and definitions

No terms and definition 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 ejector sleeves with cylindrical head shall be in accordance with the indications of [Figure 1](#) and [Table 1](#).