INTERNATIONAL STANDARD

ISO 8405

Fifth edition
2023-11

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

Reference number
ISO 8405:2023(E)

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Published in Switzerland

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Foreword

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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).

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

This fifth edition cancels and replaces the fourth edition (ISO 8405:2020) which has been technically revised.

The main changes are as follows:

— deletion of diameters D_1 = 0,8, 1,6 and 14 and addition of diameters D_1 = 1 and 5,5;

— modification of the tolerance on D_3;

— modification of D_2, D_3 and D_4 for ejector sleeves with diameters D_1 < 2;

— modification of L_1 for ejector sleeves with diameters D_1 < 2,5 and D_1 = 16;

— modification of H for ejector sleeves with diameters D_1 < 1,2;

— modification of D_3 for ejector sleeves with diameters D_1 = 4,2;

— modification of the symbol of surface roughness.

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 definitions are listed in this document.

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

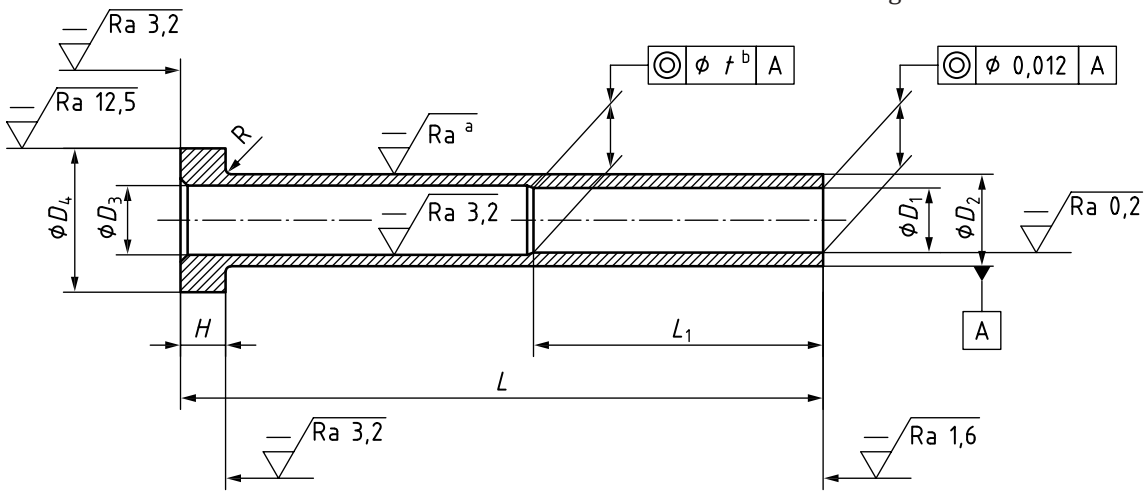
— ISO Online browsing platform: available at https://www.iso.org/obp

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

4 Dimensions

The dimensions of ejector sleeves with cylindrical head shall be in accordance with the indications of Figure 1 and Table 1.

Surface roughness values in micrometres



a Ra 0,8 for hot worked steel. Ra 0,4 for alloyed cold worked steel.

b $t = 0{,}012\ (L_1 \times 10^{-1})$
where L_1 is expressed in millimetres.

Figure 1 — Ejector sleeves