International Standard 8018

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION•МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ•ORGANISATION INTERNATIONALE DE NORMALISATION

Mould guide bushes, headed, and locating guide bushes, headed

Bagues de guidage pour moules, à collerette et à collerette avec plot de centrage

First edition — 1985-08-15

iTeh STANDARD PREVIEW
(standards.iteh.ai)
ISO 8018:1985
https://standards.iteh.ai/catalog/standards/sist/9624406d-82d0-4389-a7fe-d4e17a40dd8f/iso-8018-1985

UDC 621.887.7/8 **Ref. No. ISO 8018-1985 (E)**

Descriptors : tools, moulds, components, bushings, guide bushings, dimensions, designation.

Price based on 4 pages

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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

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International Standard ISO 8018 was prepared by Technical Committee ISO/TC 29, *Small tools*.

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1 Scope and field of application

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This International Standard lays down the dimensions and tolerances in millimetres for headed guide bushes and headed locating guide bushes intended for use in moulds.

2 References

ISO 4957, *Tool steels.*

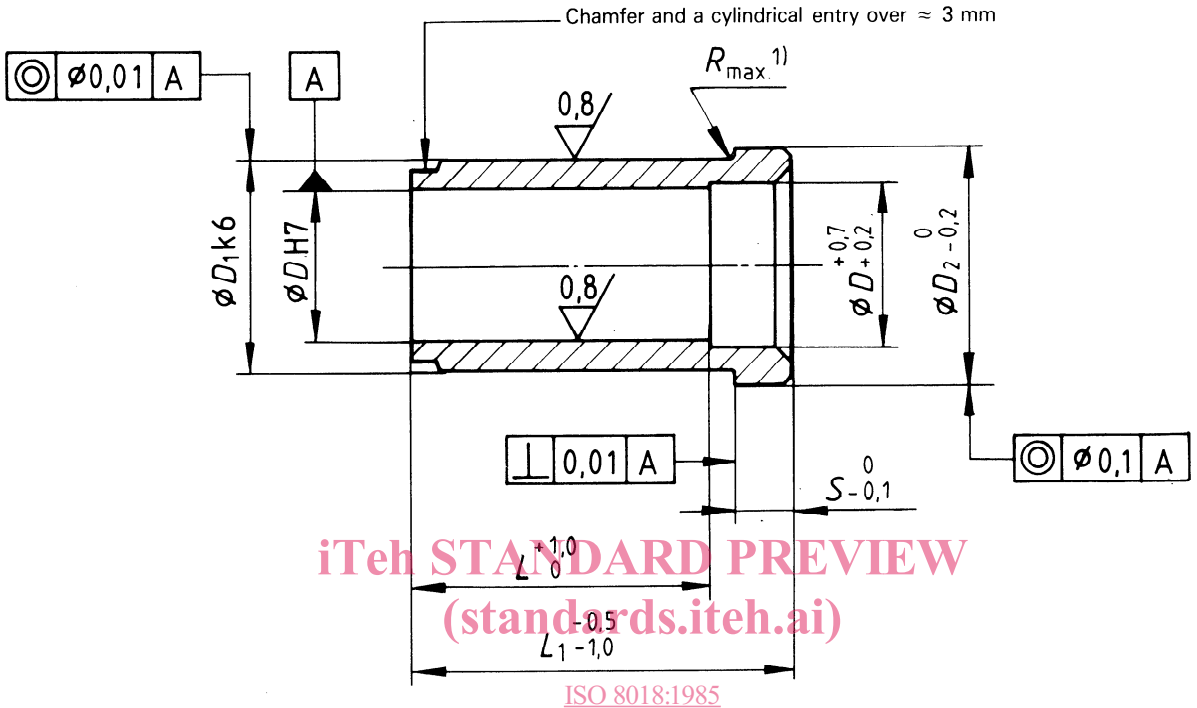
ISO 6753, *Machined plates for press tools, moulds, jigs and fixtures — Nominal dimensions.*

ISO 8017, *Mould guide pillars, straight and shouldered, and locating guide pillars, shouldered.*

3 Dimensions

3.1 Guide bushes, headed — Type A

Surface roughness values in micrometres



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1) $R_{max} = 0,1\ S$

NOTE — The sketch is an example only.

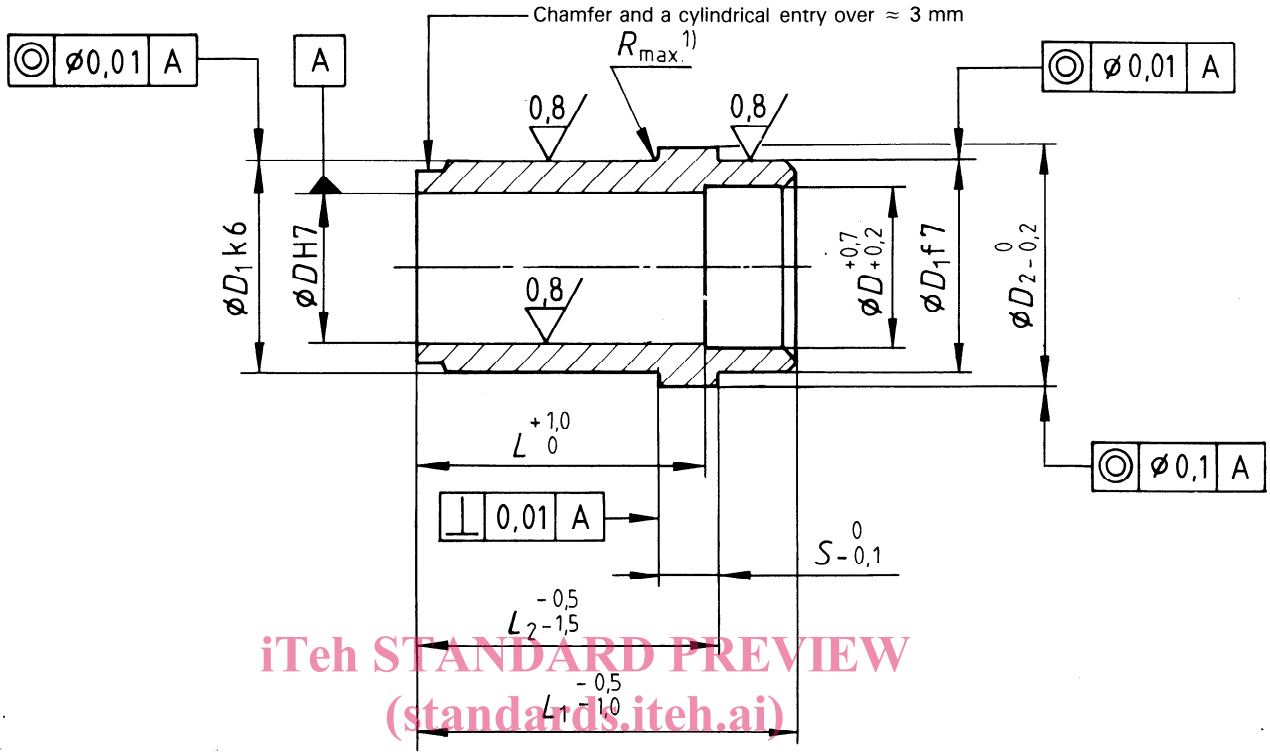
D*	12	16	20	25	32	40	50
D_1	18	22	28	32	40	50	63
D_2	22	26	32	36	45	56	71
S	4	6	6	6	8	8	8
L_1	L						
16 20 25	16 20 25	16 20 25	16 20 25	 20 25			
32 40 50	32 32 32	32 40 50	32 40 50	32 40 50	32 40 50		
63 80 100		63 63	63 80 80	63 80 80	63 80 100	63 80 100	 80 100
125 160 200					100	100 100 125	100 100 125

* For use in exceptional cases, for instance to prevent incorrect assembly of the upper and lower plates of the mould in relation to each other, the following additional values for diameter D are recommended:

11, 15, 19, 24, 30, 38 and 48.

3.2 Locating guide bushes, headed — Type B

Surface roughness values in micrometres



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D_1		18	22	28	32	40	50	63
D_2		22	26	32	36	45	56	71
S		4	6	6	6	8	8	8
L_1	L_2	L						
20 25 32	16 20 25	20 25 32	25 32	25 32	25 32			
40 50 60	32 40 50	32 32	32 32 40	40 40 40	40 40 40	50 50		
71 90 112	63 80 100		40 50	40 50 63	40 63 63	50 63 63	80	100
132 170 210	125 160 200			63 63	80 80	80 80	100 100 125	100 100 125

* For use in exceptional cases, for instance to prevent incorrect assembly of the upper and lower plates of the mould in relation to each other, the following additional values for diameter D are recommended :

11, 15, 19, 24, 30, 38 and 48.

4 Designation

A guide bush in accordance with this International Standard shall be designated by

a) a reference to this International Standard;

b) type of guide bush (A or B);

c) its internal diameter (D);

d) its length (L).

Designation examples:

Guide bush ISO 8018 - A 12 × 20

Guide bush ISO 8018 - B 12 × 20

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