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МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

Tools for moulding — Shouldered ejector pins

Outillage de moulage — Éjecteurs épaulés

iTeh STANDARD PREVIEW
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ISO 8694:1987

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Reference number
ISO 8694 : 1987 (E)

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.

International Standard ISO 8694 was prepared by Technical Committee ISO/TC 29, *Small tools*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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Tools for moulding – Shouldered ejector pins

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1 Scope and field of application

This International Standard lays down the basic dimensions and tolerances in millimetres of shouldered ejector pins which are mainly for use in pressure die-cast dies and in mould bases for moulds for plastics and rubber.

It specifies the designation of shouldered ejector pins which meet the requirements of this International Standard.

2 Dimensions

See the figure and table.

3 Material and hardness

Material and hardness are left to the manufacturer's discretion.

4 Designation

A shouldered ejector pin in accordance with this International Standard shall be designated by

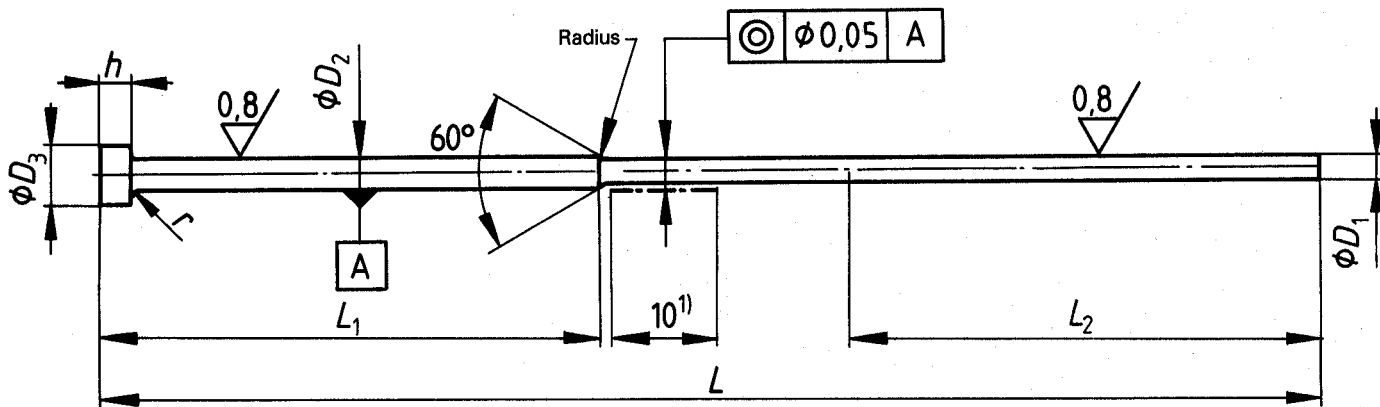
- "Shouldered ejector pin";
- reference to this International Standard;
- its diameter, D_1 ;
- its length, L .

Example:

The designation for a shouldered ejector pin of diameter $D_1 = 1$ mm and length $L = 100$ mm is as follows:

Shouldered ejector pin ISO 8694 - 1 × 100

Surface roughness values in micrometres



1) The concentricity tolerance of 0,05 mm is measured over a maximum distance of 10 mm immediately after the end of the radius joining D_1 and D_2 .

Figure

Table

D_1	D_2	D_3	h	r	L_0^{+2}					
					100	125	160	200	250	315
					L_{1-2}^{-1}					
g6	g6	0 -0,2	0 -0,05	ISO 8694:1987	50	50	63	80	100	125
					L_0^{+2}					
					40	50	50	63	63	80
1	2	4	2	0,3	x	x	x			
1,6	3	6	3	0,3		x	x	x		
2	3	6	3	0,3		x	x	x		
2,5	3	6	3	0,3		x	x	x	x	
3	4	8	3	0,3				x	x	x

x Standard sizes.

NOTE — For repair purposes, add 0,2 mm to the D_1 values shown in the table, for example $D_1 = 1,2; 1,8; 2,2$; etc.

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Descriptors : tools, moulding equipment, moulds, ejectors, pins (mechanics), dimensions, materials, designation.

Price based on 2 pages