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Tools for moulding — Flat ejector pins

Outillage de moulage — Éjecteurs à lame

Reference number
ISO 8693 : 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 8693 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 — Flat ejector pins

1 Scope and field of application

This International Standard lays down the basic dimensions and tolerances in millimetres of flat 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 flat 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 flat ejector pin in accordance with this International Standard shall be designated by

a) "Flat ejector pin";

b) reference to this International Standard;

c) its width, b_1, and thickness, b_2;

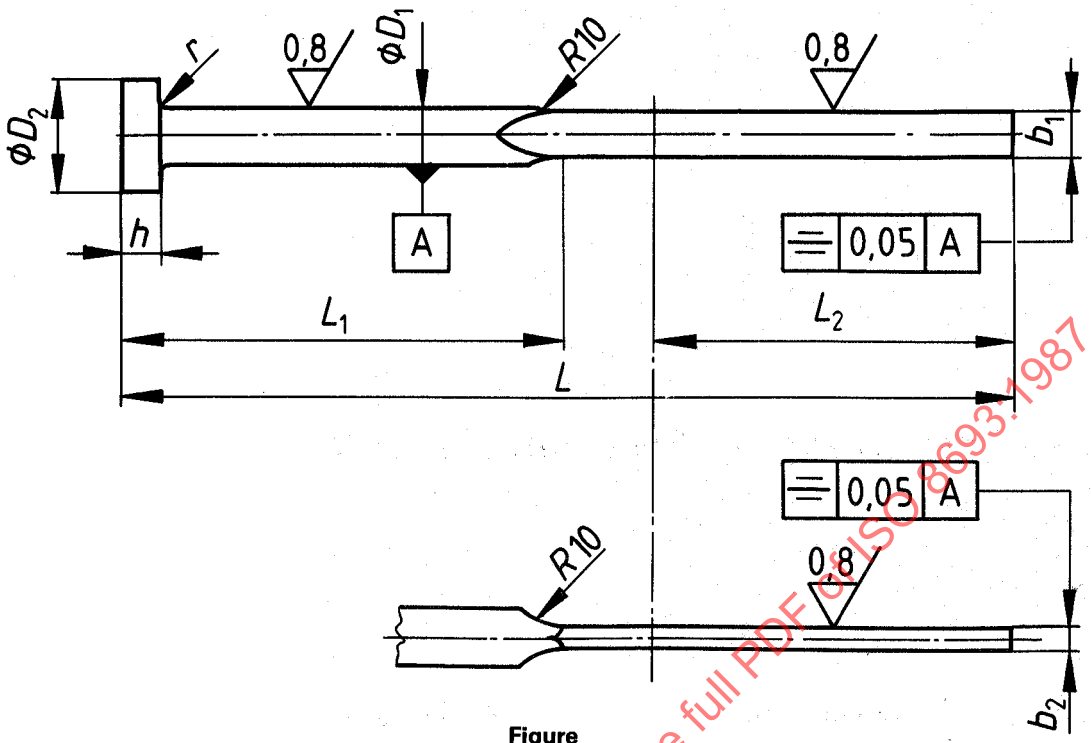
d) its length, L.

Example:

The designation for a flat ejector pin of width b_1 = 5,5 mm, thickness b_2 = 1,6 mm and length L = 100 mm is as follows:

Flat ejector pin ISO 8693 - 5,5 × 1,6 × 100

Surface roughness values in micrometres



Figure

Table

b_1 $^{0}_{-0,015}$	b_2 $^{0}_{-0,015}$	D_1 g6	D_2 $^{0}_{-0,2}$	h $^{0}_{-0,05}$	r	L $^{+2}_{0}$	L_1 $^{-1}_{-2}$	L_2 $^{+2}_{0}$
3,5	1	4	8	3	0,3	63	32	25
						80	40	32
						100	50	40
4,5	1,6	5	10	3	0,3	80	40	32
						100	50	40
						125	63	50
5,5	1,6	6	12	5	0,5	100	50	40
						125	63	50
						160	80	50
5,5	2	6	12	5	0,5	125	63	50
						160	80	50
						200	100	63
7,5	1,6	8	14	5	0,5	125	63	50
						160	80	50
						200	100	63
7,5	2	8	14	5	0,5	160	80	50
						200	100	63
						250	125	63
9,5	2	10	16	5	0,5	200	100	63
						250	125	63
						315	160	71
12	2,5	12,5	18	7	0,8	250	125	63
						315	160	71
						400	200	80
15	3,2	16	22	7	0,8	315	160	71
						400	200	80
						500	250	100
19	3,2	20	26	8	1	400	200	80
						500	250	100
						630	315	125

NOTE — For repair purposes, add 0,2 mm to the b_1 and b_2 values shown in the table, for example b_1 = 3,7; 4,7; 5,7; etc. and b_2 = 1,2; 1,8; 1,8; etc.