

INTERNATIONAL
STANDARD

ISO
8693

Second edition
1998-11-01

Tools for moulding — Flat ejector pins

Outillage de moulage — Éjecteurs lames



Reference number
ISO 8693:1998(E)

Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 8693 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 8, *Tools for pressing and moulding*.

This second edition cancels and replaces the first edition (ISO 8693:1987) which has been technically revised.

Annex A of this International Standard is for information only.

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Tools for moulding — Flat ejector pins

1 Scope

This International Standard specifies the dimensions and tolerances, in millimetres, of flat ejector pins which are used in compression and injection moulds and in die casting dies.

It also gives material guidelines and hardness requirements and specifies the designation of flat ejector pins.

Ejector pins with cylindrical heads are specified in ISO 6751; shouldered ejector pins are specified in ISO 8694.

2 Dimensions

See figure 1 and tables 1 and 2.

3 Material and hardness

Flat ejector pins shall be made of hot worked steel or alloyed cold worked steel. The hardness of the shaft and head respectively appears in table 3.

4 Designation

Flat ejector pins according to this International Standard shall be designated by:

- a) "Flat ejector pin";
- b) reference to this International Standard i.e. ISO 8693;
- c) the width, a , and thickness, b , in millimetres;
- d) the length, L_1 , in millimetres;
- e) the material.

EXAMPLE

A flat ejector pin with width $a = 0,8$ mm, thickness $b = 3,5$ mm, length $L_1 = 63$ mm and made of hot worked steel is described as follows:

Flat ejector pin ISO 8693 - 0,8 × 3,5 - 63 - Hot worked steel