

Press tools —

Part 5: Punches with cylindrical head and reduced shank

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Machine, Engineers and Hand Tools Standards Policy Committee (MTE/-) to Technical Committee MTE/12, upon which the following bodies were represented:

- Advanced Manufacturing Technology Research Institute
- Amalgamated Engineering Union
- Gauge and Tool Makers' Association
- Coopted member

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National foreword

This Part of BS 7568 has been prepared under the direction of the Machine, Engineers and Hand Tools Standards Policy Committee. It is identical with ISO 8020:1992 “*Tools for pressing — Punches with cylindrical head and reduced shank*”, prepared by Technical Committee ISO/TC29, Small tools, and published by the International Organization for Standardization (ISO).

Cross-reference

International Standard	Corresponding British Standard
ISO 8695:1987	BS 7568 <i>Press tools</i> Part 1:1992 <i>Punches — Nomenclature and terminology</i> (Identical)

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

1 Scope

This International Standard specifies the basic dimensions and tolerances, in millimetres, of cylindrical head punches with reduced shank.

Cylindrical head punches with reduced shank are standardized in round, oblong, square and rectangular shapes.

It gives examples of materials and their hardness, and specifies the designation of punches in accordance with this International Standard.

These punches are available with shank diameters, D_1 , from 5 mm to 32 mm.

The main use of the punches specified in this International Standard is for punching holes in steel sheet. They may also be used for punching holes in other materials.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards. ISO 8695:1987, *Tools for pressing — Punches — Nomenclature and terminology*.

3 Definitions

For the purposes of this International Standard, the definitions given in ISO 8695 apply.

4 Dimensions

4.1 Perforating punches

4.1.1 Blanks — Type A

See Figure 1 and Table 1.

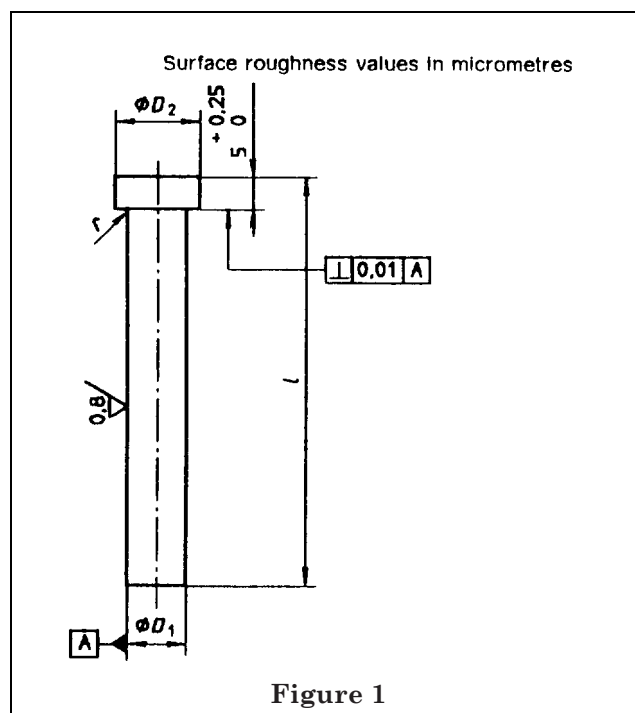


Figure 1

Table 1

Shank diameter D_1	Head diameter D_2	r	Overall length l						
			+1 0						
m5	0 -0,25	$\pm 0,1$	56	63	71	80	90	100	
5	8	0,25	×	×	×	×	×	×	
6	9		×	×	×	×	×	×	
8	11		×	×	×	×	×	×	
10	13	0,4	×	×	×	×	×	×	
13	16		×	×	×	×	×	×	
16	19		×	×	×	×	×	×	
20	24	0,4	×	×	×	×	×	×	
25	29		×	×	×	×	×	×	
32	36		×	×	×	×	×	×	