
**Tools for pressing — Wear plates for
press dies —**

**Part 2:
Type B**

Outils de presse — Plaques de frottement —

Partie 2: Type B

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ISO 9183-2:2011

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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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 9183-2 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 9183-2:1993), of which it constitutes a minor revision. In particular, the indication of surface textures has been updated in accordance with ISO 1302:2002.

ISO 9183 consists of the following parts, under the general title *Tools for pressing — Wear plates for press dies*:

— Part 1: Type A

— Part 2: Type B

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Tools for pressing — Wear plates for press dies —

Part 2: Type B

1 Scope

This part of ISO 9183 specifies the basic dimensions and tolerances, in millimetres, of wear plates, type B, intended for use mainly in large presses. It also specifies the size and positions of the clearance holes for attachment.

It gives guidance on the materials and hardness, and specifies the designation of wear plates for press dies, type B, which meet the requirements of this part of ISO 9183.

2 Dimensions

The dimensions of wear plates for press dies shall be in accordance with the indications of Figures 1 and 2 and Table 1.

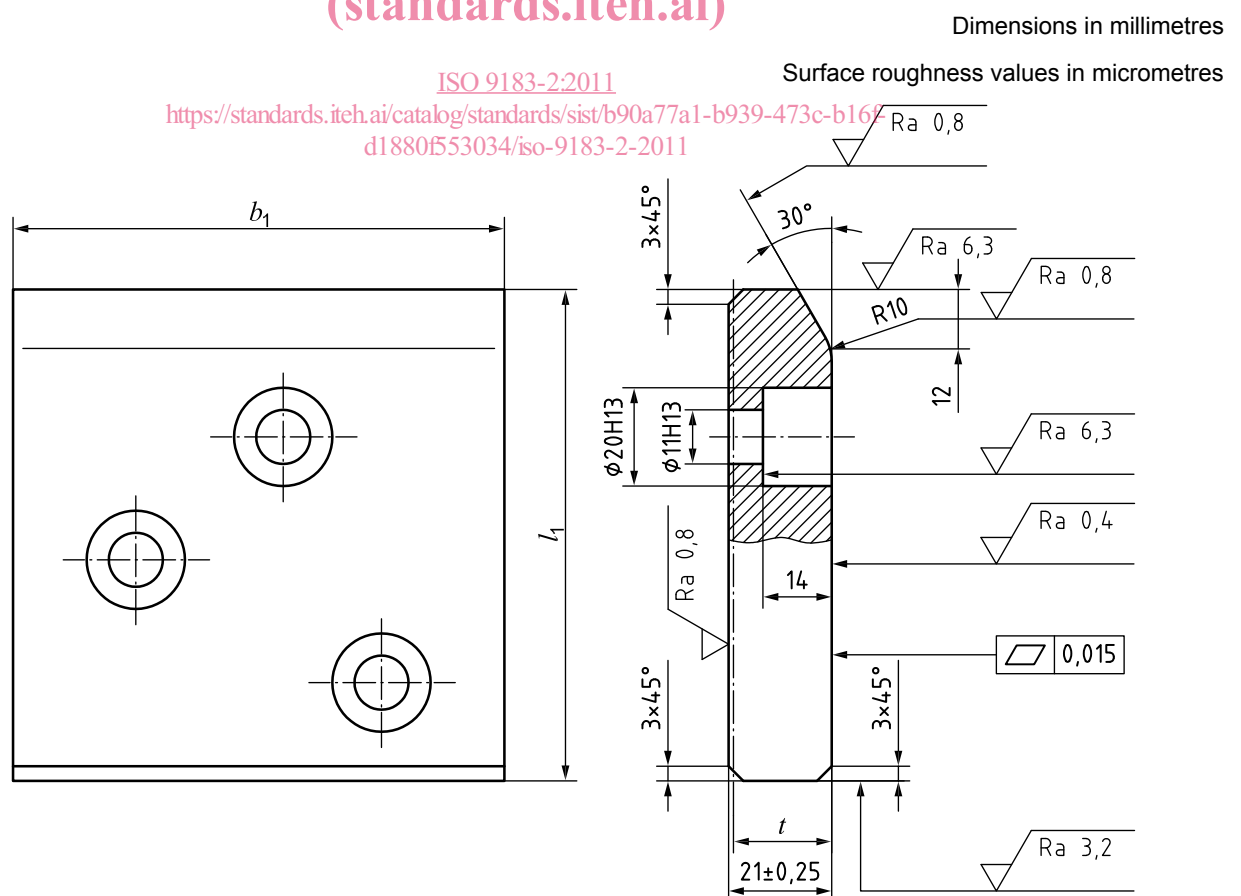


Figure 1 — Dimensions

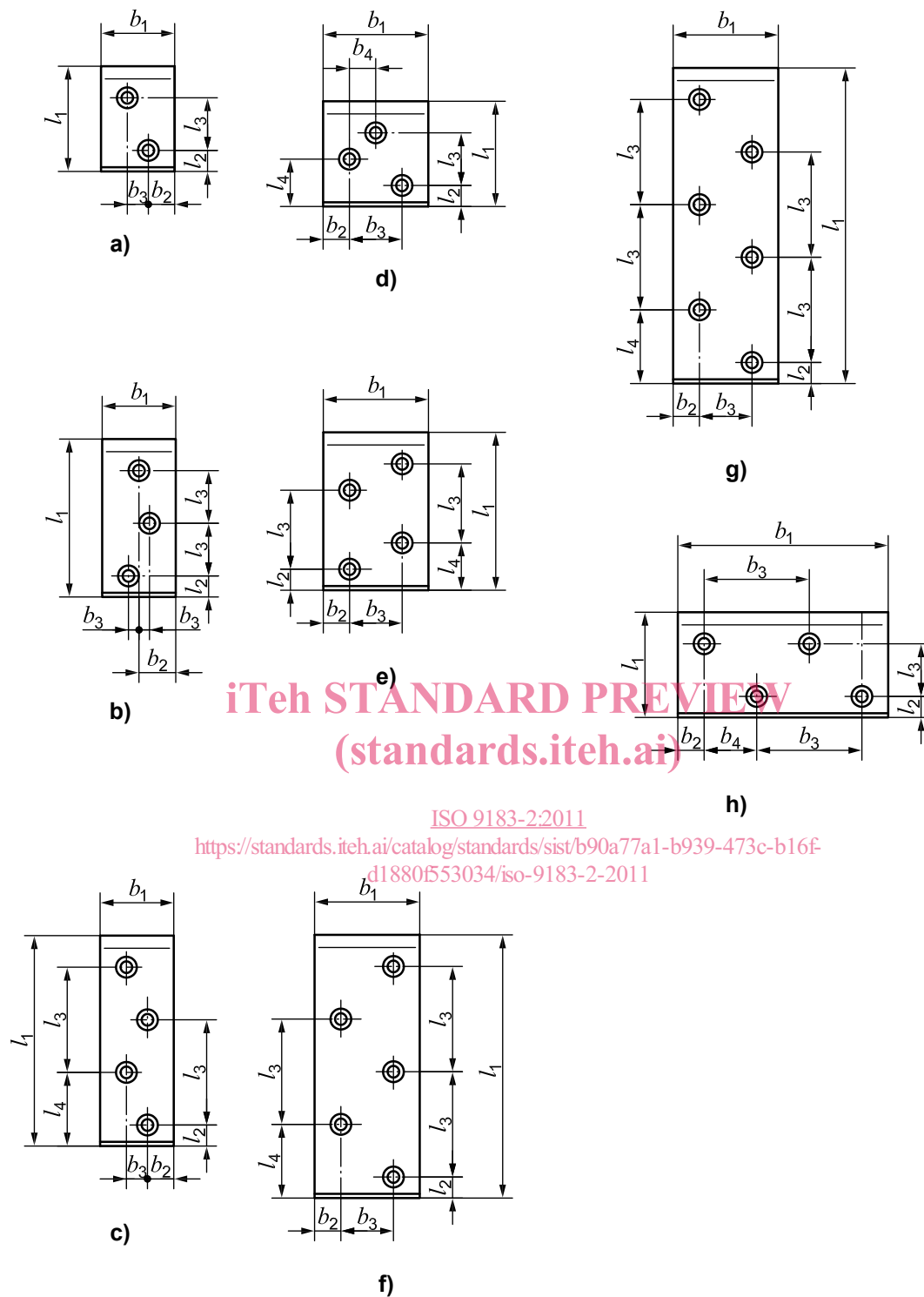


Figure 2 — Clearance hole patterns

Table 1 — Dimensions of wear plates for press dies

b_1 0 -2	l_1 $\pm 0,1$	t nom.	b_2 $\pm 0,25$	b_3 $\pm 0,1$	b_4 $\pm 0,1$	l_2 $\pm 0,1$	l_3 $\pm 0,1$	l_4 $\pm 0,1$	Figure	Number of clearance holes for attachment
70	100 150 200	20	25	20	—	20	50	—	2 a)	2
				10	—		50	—	2 b)	3
				20	—		100	70	2 c)	4
100	100			50	30		50	45	2 d)	3
	150			50	—		75	45	2 e)	4
	200			50	—		100	70	2 c)	4
	250			50	—		100	70	2 f)	5
	300			50	—		100	70	2 g)	6
150	100			75	25		50	—	2 h)	4
	150			100	—		75	45	2 e)	4
	200			100	—		100	70	2 c)	4
	250			100	—		100	70	2 f)	5
	300			100	—		100	70	2 g)	6
200	100			100	50		50	—	2 h)	4

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3 Material and corresponding hardness

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

4 Designation

Wear plates in accordance with this part of ISO 9183 shall be designated by:

- “wear plate”;
- reference to this part of ISO 9183, i.e. ISO 9183-2:2011;
- its type (B);
- its width, b_1 , in millimetres;
- its length, l_1 , in millimetres.

EXAMPLE The designation for a wear plate for press dies, type B, of width $b_1 = 70$ mm and length $l_1 = 100$ mm is as follows:

Wear plate ISO 9183-2 B - 70 × 100

Bibliography

- [1] ISO 1302:2002, *Geometrical Product Specifications (GPS) — Indication of surface texture in technical product documentation*

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