

INTERNATIONAL STANDARD

ISO
9183-1

First edition
1990-12-15

Tools for pressing — Wear plates for press dies —

Part 1: Type A

*Outillage de presse — Plaques de frottement —
Partie 1: Type A*



Reference number
ISO 9183-1:1990(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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 9183-1 was prepared by Technical Committee ISO/TC 29, *Small tools*.

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

Tools for pressing — Wear plates for press dies —

Part 1: Type A

1 Scope

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

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

Two thicknesses of this type of wear plate are specified: type A1, with a thickness t of 20 mm, and type A2, with a thickness t of 25 mm.

2 Dimensions

See figure 1 and figure 2 and table 1.

3 Material and hardness

The 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;
- its type (A1 or A2);
- its width, b_1 ;
- its length, l_1 .

EXAMPLE

The designation for a wear plate for press dies, type A1, of width $b_1 = 80$ mm and length $l_1 = 100$ mm is as follows:

Wear plate ISO 9183-1 A1-80 × 100

Surface roughness values in micrometres

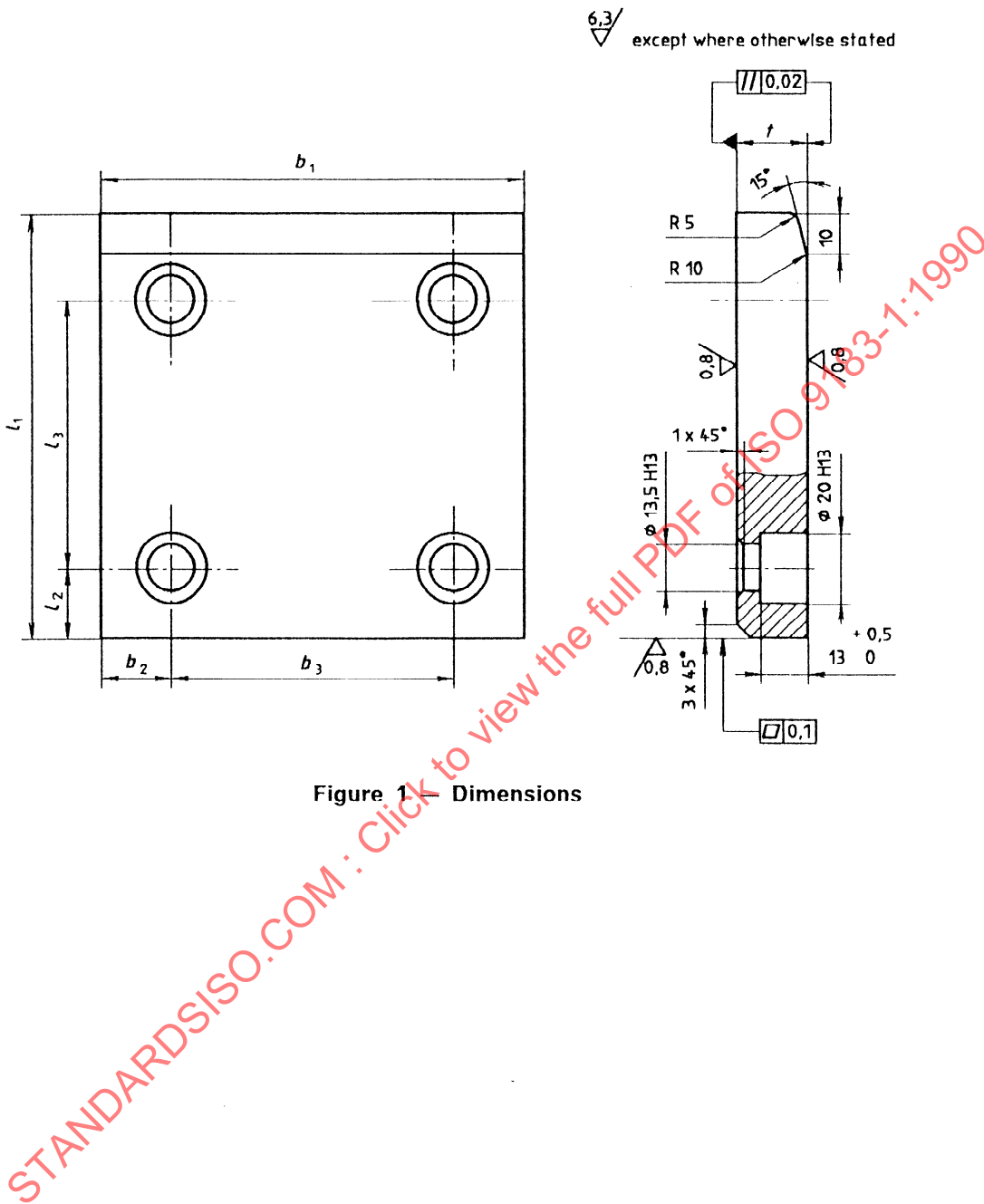


Table 1

b_1 ± 1	l_1 ± 1	t $\pm 0,025$	l_2 $\pm 0,2$	l_3 $\pm 0,1$	b_2 $\pm 0,2$	b_3 $\pm 0,1$	Hole pattern in accordance with the following figure					
50	80 100 125 160 200 250	20 (type A1) 25 (type A2)	20	35 55 80 115 155 100	25	—	2b)					
				2c)								
80	50 80 100 125 160 200 250 315		25	20	— 35 55 80 115 155 100 132	40	2d)					
			20		2e)							
					2a)							
					2f)							
					100		50 80 100 125 160 200 250 315	25	20	— 35 55 80 115 155 100 132	60	2d)
								20		2e)		
2a)												
2f)												
125	50 80 100 125 160 200 250 315		25	20		— 35 55 80 115 155 100 132				85		2d)
			20		2e)							
					2a)							
					2f)							
					160	50 80 100 125 160 200 250 315	25	20	— 35 55 80 115 155 100 132		120	2d)
							20		2a)			
2f)												

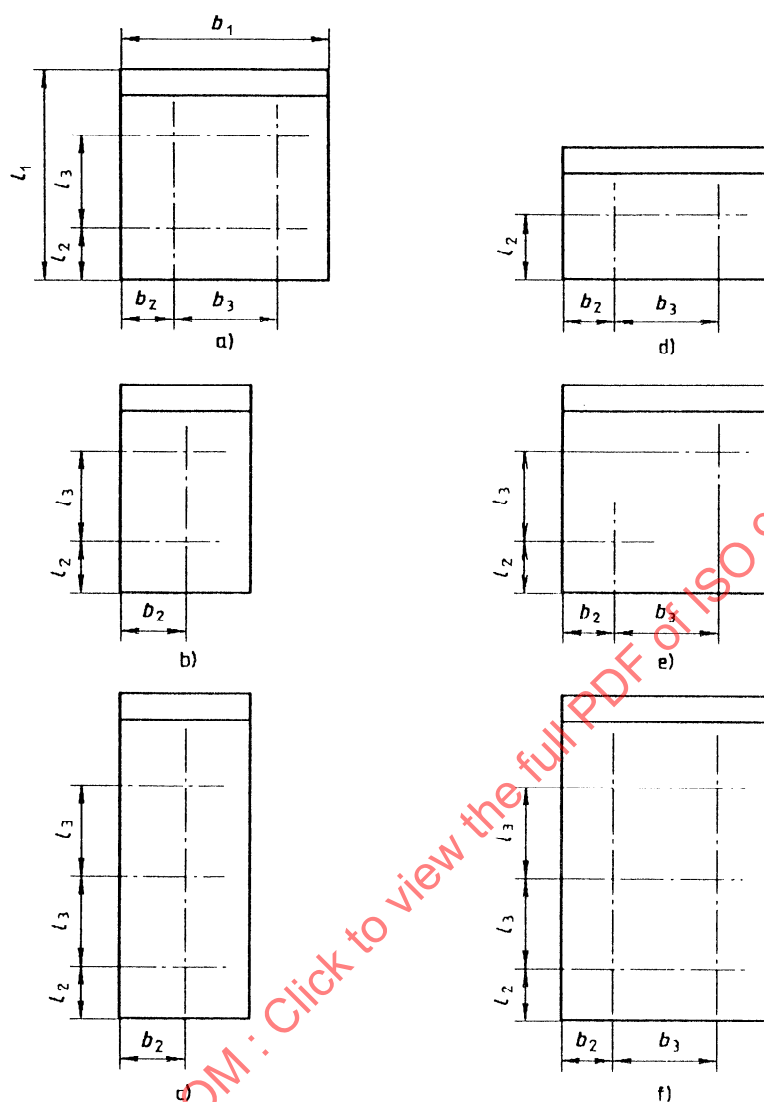


Figure 2 — Clearance hole patterns