

# INTERNATIONAL STANDARD

**ISO**  
**9183-1**

First edition  
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## **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

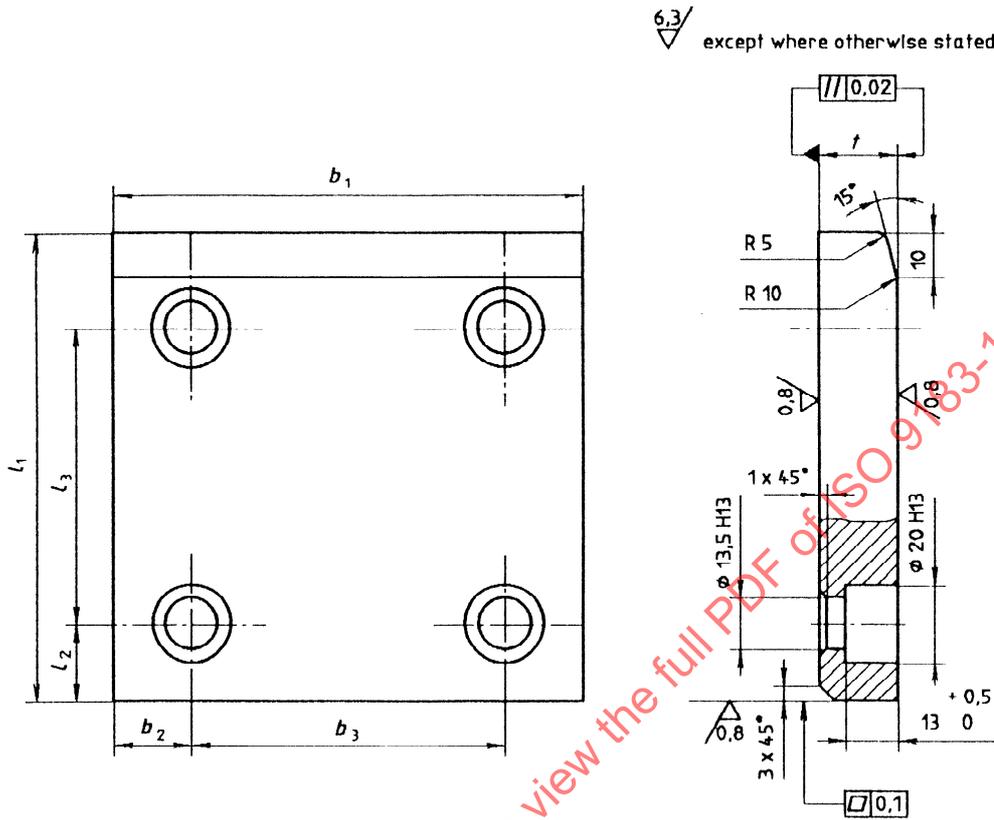
- a) "Wear plate";
- b) reference to this part of ISO 9183;
- c) its type (A1 or A2);
- d) its width,  $b_1$ ;
- e) its length,  $l_1$ .

#### 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



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Table 1

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

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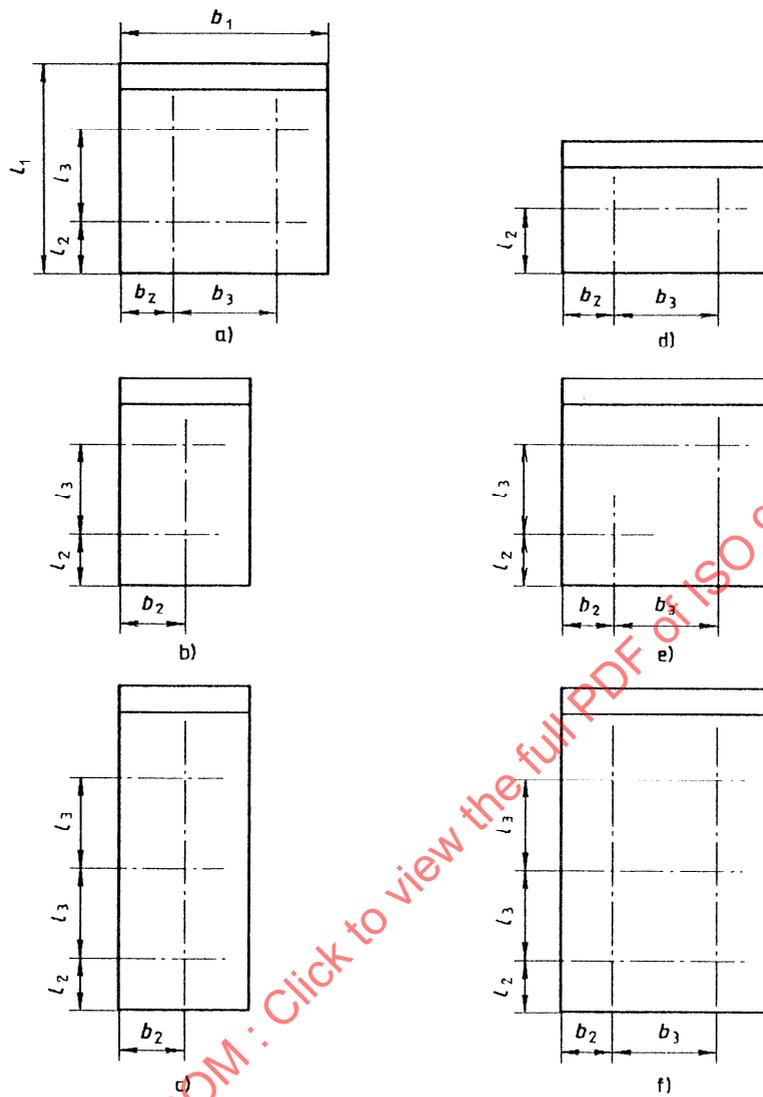


Figure 2 — Clearance hole patterns