INTERNATIONAL STANDARD

ISO 16367

Second edition
2008-03-01

Tools for pressing — Guide plates — U- and V-blocks

Outillage de presse — Plaques de guidage — Blocs en U et en V

Reference number
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Foreword

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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 16367 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 16367:2001) which has been technically revised.

Tools for pressing — Guide plates — U- and V-blocks

1 Scope

This International Standard specifies the main dimensions and tolerances of guiding plates, U- and V-blocks, to be used in press tools.

It also specifies the designation of U- and V-blocks.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

ISO 4762, *Hexagon socket head cap screws*

ISO 8733, *Parallel pins with internal thread, of unhardened steel and austenitic stainless steel*

ISO 13715, *Technical drawings — Edges of undefined shape — Vocabulary and indications*

3 Dimensions

3.1 Type U female block

The dimensions of type U female block shall conform to the indications in Figure 1 and Table 1.

All edges of undefined shape shall be in accordance with ISO 13715.

General tolerance: ISO 2768m
dimensions in millimetres
surface roughness values in micrometers

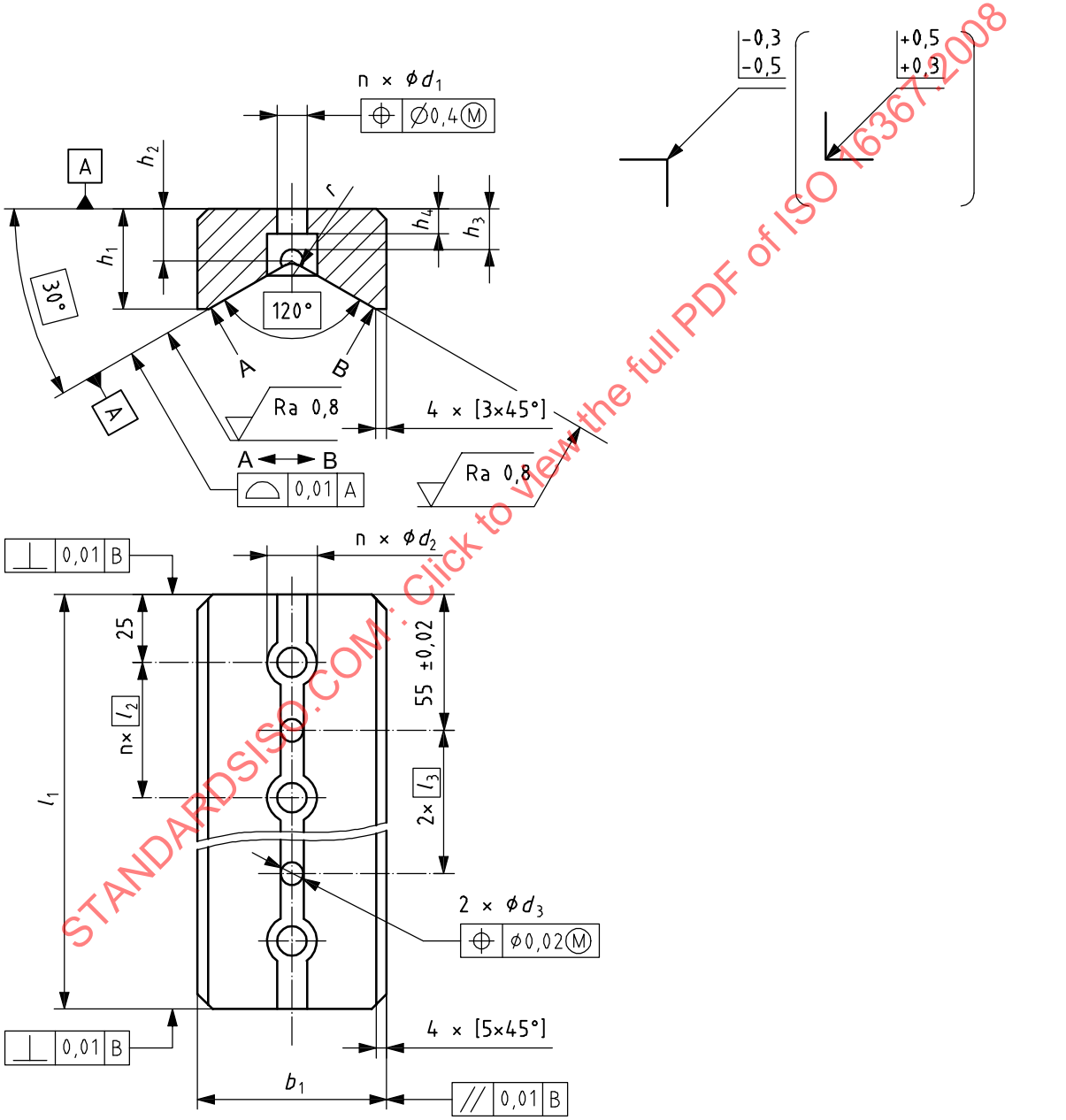

Figure 1 — Type U female block

Table 1 — Dimensions of type U female blocks

Dimensions in millimetres

b_1	h_1	l_1	l_2	l_3	h_2	h_3	h_4	r	$\varnothing d_1$	$\varnothing d_2$	$\varnothing d_3$	**Hexagon socket**		**Parallel pin**	
h6	± 0,2	$^{0}_{-0,2}$			± 0,01	± 0,2					H7	ISO 4762	pieces	ISO 8733	pieces
65	35	150	100	45	18	17	8	5	13,5	20	12	M12 × 25	2	12 × 32	2
		200	150	95									2		
		250	100	145									3		
		300	125	195									3		
125	60	150	100	45	28	27	15	5	17,5	26	16	M16 × 50	2	16 × 60	2
		200	150	95									2		
		250	100	145									3		
		300	125	195									3		

3.2 Type V male block

The dimensions of type V male block shall conform to the indications in Figure 2 and Table 2.

All edges of undefined shape shall be in accordance with ISO 13715.

General tolerance: ISO 2768m
dimensions in millimetres
surface roughness values in micrometers

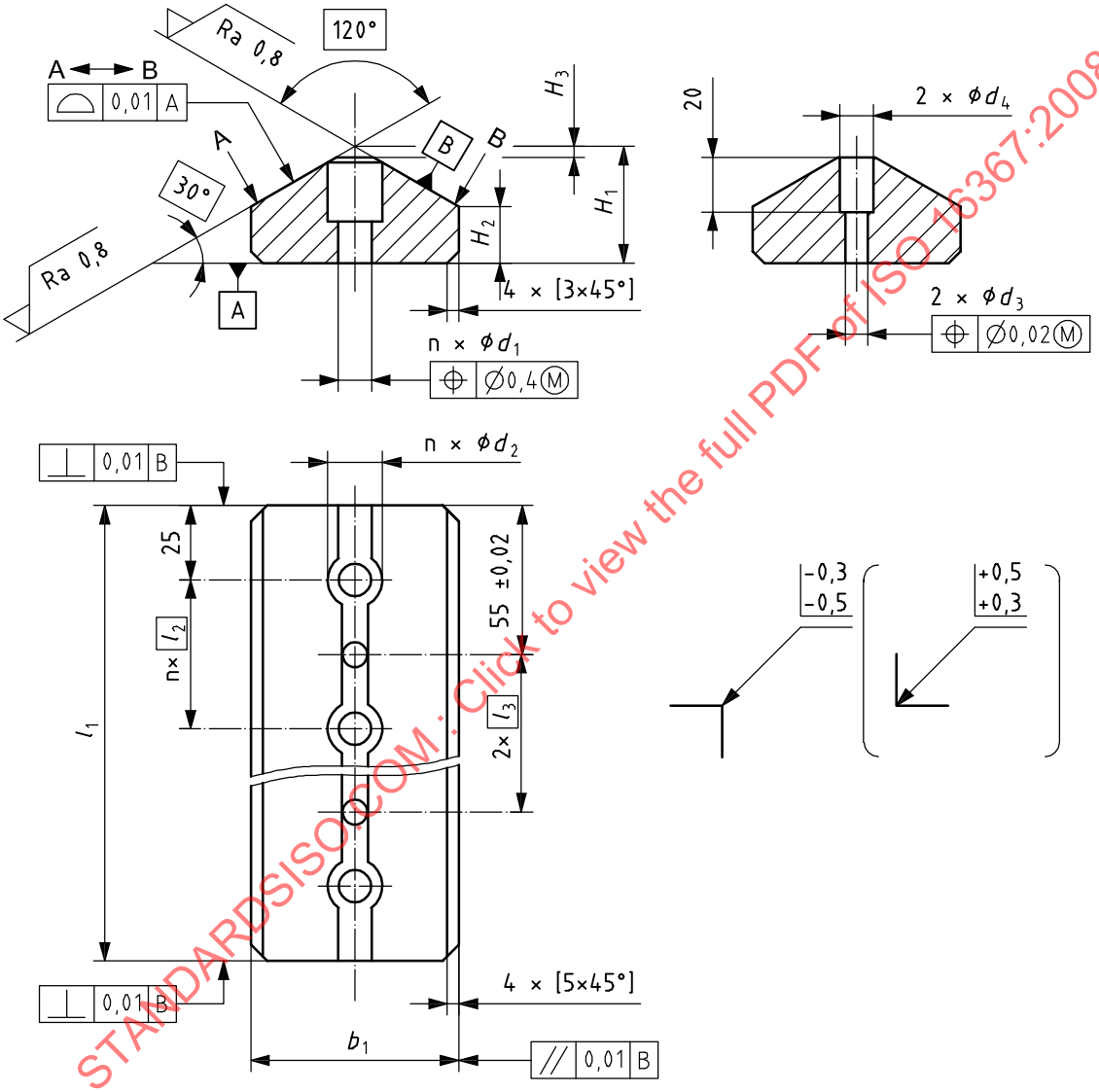

Figure 2 — Type V male block

Table 2 — Dimensions of Type V male blocks

Dimensions in millimetres

b_1 h6	H_1 ± 0,01	l_1 0 / − 0,2	l_2	l_3	H_2	H_3 ± 0,2	$\varnothing d_1$	$\varnothing d_2$	$\varnothing d_3$ H7	$\varnothing d_4$	Hexagon socket		Parallel pin	
											ISO 4762	pieces	ISO 8733	pieces
65	47	150	100	45	20	3	13,5	20	12	14	M12 × 35	2	10 × 32	2
		200	150	95								2		
		250	100	145								3		
		300	125	195								3		
125	57	150	100	45	15	5	17,5	26	16	18	M16 × 50	2	16 × 60	2
		200	150	95								2		
		250	100	145								3		
		300	125	195								3		

3.3 Combination for type U and V blocks

The dimensions for the combination for type U and V blocks shall conform to the indications in Figure 3.

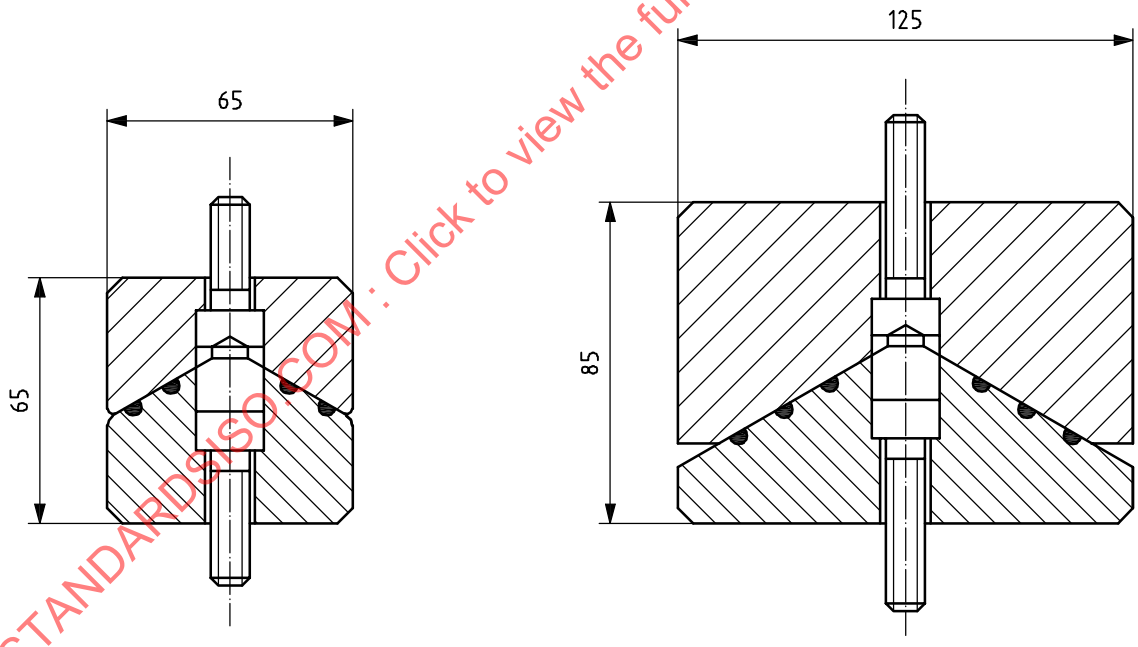

Figure 3 — Combination of type U and V blocks

4 Material

The choice of material is left to the manufacturer's discretion.