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Back-up pads for vulcanized fibre discs

Plateaux d'appui pour disques en fibres vulcanisées

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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 15636 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 5, *Grinding wheels and abrasives*.

Back-up pads for vulcanized fibre discs

1 Scope

This International Standard specifies the design and dimensions of back-up pads intended for the fixing or clamping of vulcanized fibre discs in accordance with ISO 16057, or comparable grinding tools on hand-held grinding machines, e.g. angle grinders.

The connecting dimensions of support discs and clamping units are matched for spindle ends with the common practice of this kind of hand-held machine.

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 16057, *Coated abrasives — Vulcanized fibre discs*

3 Design and dimensions

3.1 Design

See Figures 1 and 2.

Dimensions in millimetres

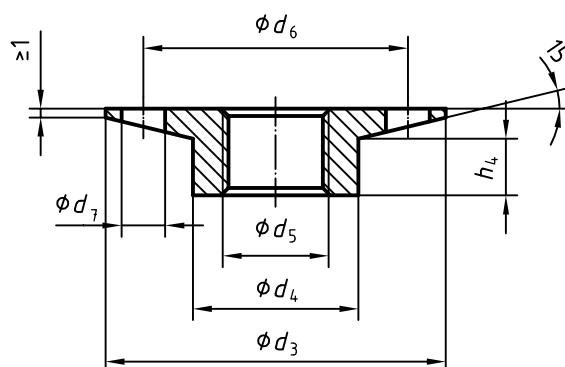


Figure 1 — Clamping nut

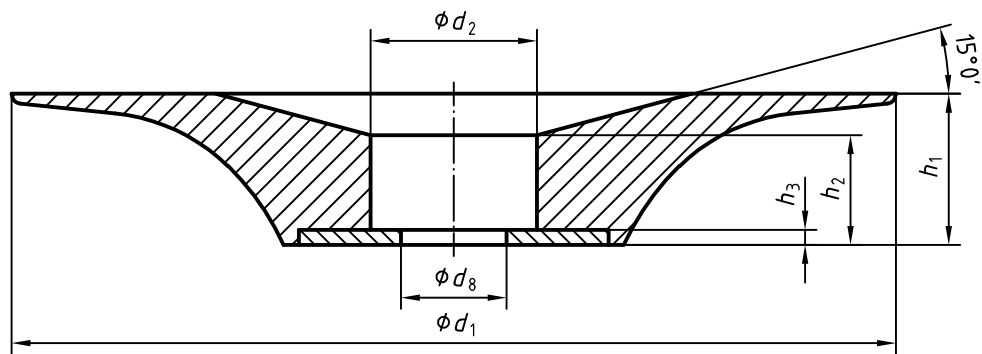


Figure 2 — Back-up pad

3.2 Dimensions

See Table 1.

Table 1 — Dimensions of back-up pads and nuts

Dimensions in millimetres

Vulcanized fibre discs ^a		Back-up pads						Nuts										
<i>D</i>		<i>d</i> ₁	<i>d</i> ₂	<i>d</i> ₈	<i>h</i> ₁	<i>h</i> ₂	<i>h</i> ₃	<i>d</i> ₃	<i>d</i> ₄	Thread (<i>d</i> ₅)	<i>d</i> ₆	<i>d</i> ₇	<i>h</i> ₄					
		± 1	+0,5 0	H11	± 0,4	± 0,4	min.	± 0,2	0 − 0,3		± 0,1	H12						
100	± 1,5	92,5	16	10	16	14,5	1,5	40	16	M10	20	4,5	<i>h</i> ₄ < <i>h</i> ₂ − <i>h</i> ₃					
			22	14 5/8"	20			45	22	M14 5/8 UNC	35	5,8						
115	± 1,5	107,5	22	14 5/8"	20	14,5	2	45	22	M14 5/8 UNC	35	5,8						
125	± 2	117	22	14 5/8"	20	14,5	2	45	22	M14 5/8 UNC	35	5,8						
150		142	22	14 5/8"		12	2,5	55		M14 5/8 UNC	35	5,8						
180		172	22	14 5/8"		14,5				M14 5/8 UNC								
			40	14						M14								
235		227	22	14 5/8"		12		22	M14 5/8 UNC									

^a In accordance with ISO 16057.

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