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**Coated abrasives — Abrasive belts —  
Selection of width/length combinations**

*Abrasifs appliqués — Bandes abrasives — Sélection des combinaisons  
largeurs/longueurs*

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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 2976 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 5, *Grinding wheels and abrasives*.

This second edition cancels and replaces the first edition (ISO 2976:1973), which has been technically revised.

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# Coated abrasives — Abrasive belts — Selection of width/length combinations

## 1 Scope

This International Standard specifies the nominal dimensions, and limit deviations of abrasive belts. It also specifies the designation and marking of these abrasive belts.

This International Standard is applicable to abrasive belts intended for use on hand-held grinding machines and stationary grinding machines.

## 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 554:1976, *Standard atmospheres for conditioning and/or testing* — Specifications

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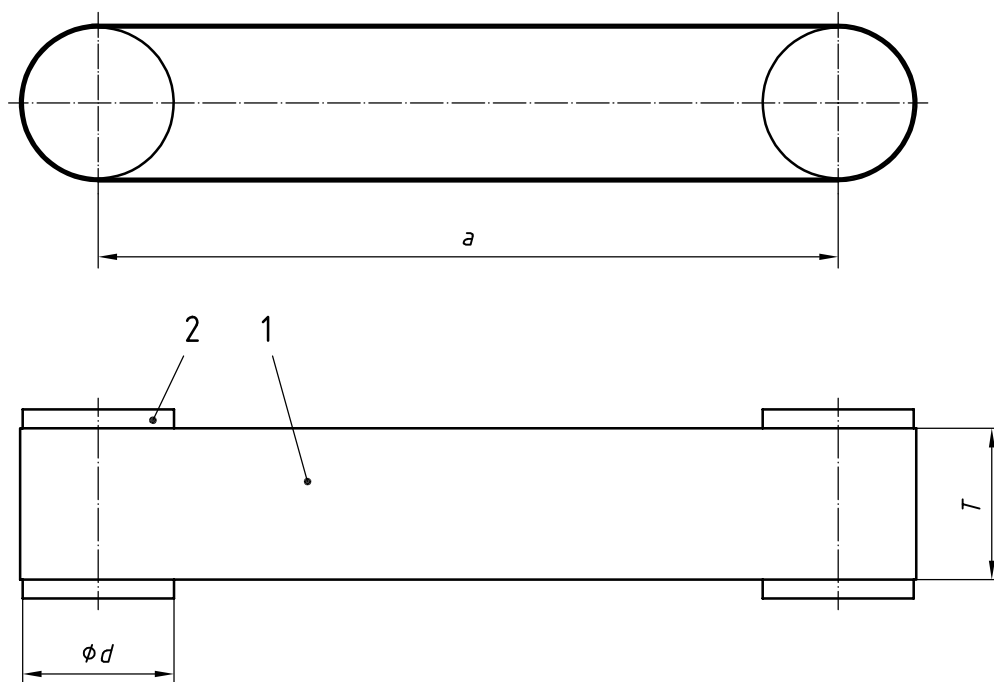
## 3 Requirements

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### 3.1 Dimensions and limit deviations for standardized sizes

See Figure 1, Table 1 and Table 2.



**Key**

- 1 abrasive belt of width  $T$  and total length  $L = 2a + d\pi$
- 2 roll diameter  $d$
- $a$  distance between roll axes

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**Figure 1**

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Table 1 — Preferred dimensions for abrasive belts

Dimensions in millimetres

<i>T</i>		<i>L</i>	
nom.	limit deviation	nom.	limit deviation
6	± 1	457	± 3
		520	
		533	
		610	
10	± 1	330	
13	± 1	330	
		457	
		520	
		610	
		760	
15	± 1	1 120	± 5
		330	± 3
		480	
520			
20	± 1	450	
		480	
		520	
		610	
25	± 1	2 000	± 5
		2 500	
		3 500	
		4 000	
30	± 1	450	± 3
		620	
		800	
		1 000	
		1 250	± 5
		1 500	
		2 000	
		2 500	
30	± 1	3 500	± 5
		4 000	
		4 000	
		4 000	

Table 1 (continued)

Dimensions in millimetres

<i>T</i>		<i>L</i>	
nom.	limit deviation	nom.	limit deviation
40	± 1	450	± 3
		620	
		750	
		800	
		1 200	± 5
		1 500	
		1 650	
		2 000	
		2 500	
		3 500	
		4 000	
50	± 1	450	± 3
		620	
		750	
		800	
		1 000	± 5
		1 250	
		1 500	
		1 600	
		2 000	
		2 500	
		3 000	
3 500			
4 000			
60	± 2	400	± 3
		2 250	± 5
		2 500	
		3 000	
		3 500	
65	± 2	410	± 3
75	± 2	457	± 3
		480	
		533	
		610	
		1 500	± 5
		2 000	
		2 250	
		2 500	
		3 000	
		3 500	
4 000			

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Table 1 (continued)

Dimensions in millimetres

<i>T</i>		<i>L</i>	
nom.	limit deviation	nom.	limit deviation
100	± 2	560	± 3
		610	
		620	
		800	
		860	
		900	
		1 000	
		1 100	± 5
		1 500	
		1 800	
		2 000	
		2 500	
		3 000	
		3 500	
		4 000	
8 500	± 20		
9 000			
120	± 2	450	± 3
		1 500	± 5
		2 000	
		2 500	
		3 000	
		3 500	
		4 000	
		7 000	± 20
		7 600	
		7 800	
8 000			

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Table 1 (continued)

Dimensions in millimetres

<i>T</i>		<i>L</i>	
nom.	limit deviation	nom.	limit deviation
150	± 2	1 500	± 5
		1 750	
		2 000	
		2 250	
		2 500	
		3 000	
		3 500	
		4 000	
		5 000	
		6 000	± 20
		6 500	
		7 000	
		7 100	
		7 200	
		7 500	
200	± 2	550	± 3
		750	
		1 500	± 5
		1 600	
		1 800	
		1 850	
		2 000	
		2 500	
3 000			
3 500			
250	± 2	750	± 3
		1 800	± 5
		2 500	
		3 000	
300	± 2	2 000	± 5
		2 500	
		3 000	
		3 500	
		4 000	
400	± 2	1 900	± 5
		3 200	
		3 300	
630	± 2	1 900	± 5
930	± 2	1 525	± 5
		1 900	
		2 300	

Table 1 (continued)

Dimensions in millimetres

<i>T</i>		<i>L</i>	
nom.	limit deviation	nom.	limit deviation
1 100	± 3	1 900	± 10
		2 100	
1 120	± 3	1 900	± 10
		2 200	
		2 620	
1 150	± 3	1 900	± 10
		2 200	
		2 500	
		2 620	
1 300	± 3	1 900	± 10
		2 620	
		3 250	
1 320	± 3	1 900	± 10
		2 500	
		2 620	
		3 200	
1 350	± 3	1 900	± 10
		2 100	
		2 620	
		3 150	
		3 250	
		3 800	
		3 810	
1 400	± 3	1 900	± 10
		2 500	
		2 620	
		2 800	
		3 150	
		3 250	
		3 810	
> 1 400	± 3	2 620	± 10
		2 800	
		3 050	
		3 200	
		3 810	