
INTERNATIONAL STANDARD



2421

**Cylindrical abrasive sleeves —
Designation — Dimensions — Tolerances**

First edition — 1972-10-01

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[ISO 2421:1972](https://standards.iteh.ai/catalog/standards/sist/89cf375d-d334-487f-8f70-f0c5e0b71da8/iso-2421-1972)

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Descriptors : tools, abrasives, cylindrical bodies, dimensions.

Price based on 2 pages

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 2421 was drawn up by Technical Committee ISO/TC 29, *Small tools*.

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It was approved in November 1971 by the Member Bodies of the following countries :

[ISO 2421:1972](#)

Belgium	Italy	Sweden
Czechoslovakia	Japan	Switzerland
Egypt, Arab Rep. of	Korea, Rep. of	Thailand
France	Portugal	Turkey
Hungary	Romania	United Kingdom
India	South Africa, Rep. of	U.S.A.
Israel	Spain	U.S.S.R.

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The Member Body of the following country expressed disapproval of the document on technical grounds :

Netherlands

Cylindrical abrasive sleeves – Designation – Dimensions – Tolerances

1 SCOPE AND FIELD OF APPLICATION

This International Standard applies to abrasive sleeves of cylindrical form and comprises :

- the designation;
- the range of nominal dimensions;
- the tolerances on these dimensions.

2 DESIGNATION

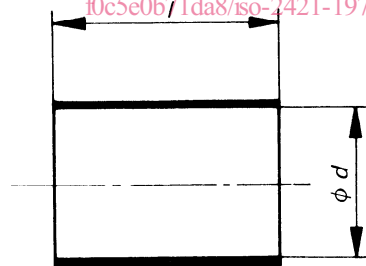
The designation of cylindrical abrasive sleeves consists, in the following order, of the diameter d followed by the width l .

Example

Designation of a cylindrical abrasive sleeve of diameter $d = 100$ mm and of width $l = 50$ mm :

Cylindrical abrasive sleeve 100 X 50

3 RANGE OF NOMINAL DIMENSIONS AND TOLERANCES



3.1 Diameters d

3.1.1 Range of diameters (in millimetres)

d	6,3	8	10	12,5	16	20	25	31,5	40	50	63	80	100	125	160	200	250	315	400
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3.1.2 Tolerances

Products made by

- the straight joint method : $J_s 16^*$
- the spiral joint method : $J_s 14^*$.

NOTE – The measurement of diameter shall be taken inside the sleeve.

* See ISO/R 286, ISO System of limits and fits – Part 1 : General, tolerances and deviations.

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3.2 Width / and tolerances

Values in millimetres

/	Tolerances	/	Tolerances
15	± 1	75	± 2
20			
25			
30			
50			
		125	
		150	
		200	
		250	
		300	

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