

INTERNATIONAL STANDARD

ISO 5429

Second edition
2005-04-01

Coated abrasives — Flap wheels with incorporated flanges or separate flanges

*Abrasifs appliqués — Roues à lamelles à flasques incorporés ou
amovibles*



Reference number
ISO 5429:2005(E)

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Published in Switzerland

Foreword

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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 5429 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 5429:1977), which has been technically revised.

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Coated abrasives — Flap wheels with incorporated flanges or separate flanges

1 Scope

This International Standard specifies the nominal dimensions and limit deviations of flap wheels with incorporated flanges or separate flanges for use on stationary grinding machines.

2 Dimensions

See Figure 1 and Table 1.

3 Designation

Flap wheels with incorporated flanges or separate flanges conforming to this International Standard shall be designated by

- a) “Flap wheel”,
- b) reference to this International Standard, i.e. ISO 5429,
- c) incorporated flange version A or separate flange version B,
- d) the diameter of the flap wheel, D , in millimetres,
- e) the width of the flap wheel, T , in millimetres,
- f) the bore diameter, H for version A, in millimetres.

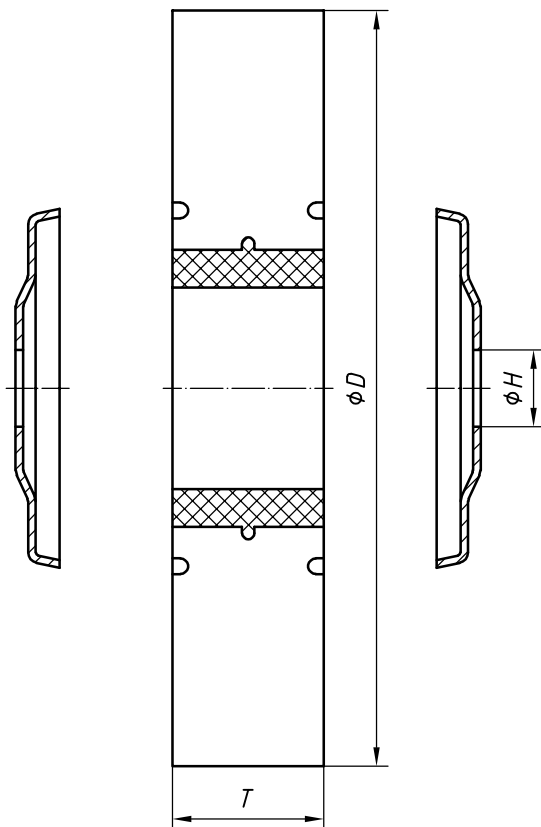
EXAMPLE A flap wheel with incorporated flange A, with diameter $D = 350$ mm, width $T = 75$ mm and bore diameter $H = 40$ mm is designated as follows:

Flap wheel ISO 5429 - A 350 × 75 × 40

4 Marking

Flap wheels with incorporated flanges or separate flanges shall be marked with the following information:

- a) manufacturer, supplier, importer or their registered trademark;
- b) dimensions;
- c) maximum operating speed;
- d) maximum permissible speed of rotation;
- e) grit size.



NOTE The sketch of the flange is given for information only, and does not prejudice the shape or the method of attaching the flange and the flap wheel.

Figure 1

Table 1 — Dimensions of flap wheels

Dimensions in millimetres

<i>T</i>	<i>D</i>								
	100	150	165	200	250	300	350	400	500
± 1									
25	X	X	X	X	X	X	—	—	—
50	X	X	X	X	X	X	X	X	—
75	—	X	X	X	X	X	X	X	—
100	—	—	—	—	—	—	X	X	X
<i>H</i>	a								
a The dimensions <i>H</i> are left to the manufacturer's discretion.									

ICS 25.100.70

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