

# INTERNATIONAL STANDARD

# ISO 3919

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## Coated abrasives — Flap wheels with shaft

*Abrasifs appliqués — Roues à lamelles sur tige*

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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 3919 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 5, *Grinding wheels and abrasives*.

This fourth edition cancels and replaces the third edition (ISO 3919:1993), which has been technically revised.

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# Coated abrasives — Flap wheels with shaft

## 1 Scope

This International Standard specifies the nominal dimensions and limit deviations of flap wheels with shaft for use on hand-held grinding machines. It also specifies the designation and marking of the flap wheels.

## 2 Requirements

See Figure 1 and Table 1.

## 3 Designation

Flap wheels with shafts conforming to this International Standard shall be designated by

- a) "Flap wheel with shaft",
- b) reference to this International Standard, i.e. ISO 3919,
- c) the diameter of the flap wheel,  $D$ , in millimetres,
- d) the width of the flap wheel,  $T$ , in millimetres,
- e) the shaft diameter,  $S_d$ , in millimetres,
- f) the length of the shaft,  $L$ , in millimetres.

EXAMPLE A flap wheel with shaft, with diameter  $D = 60$  mm, width  $T = 20$  mm, shaft diameter  $S_d = 6$  mm and  $L = 40$  mm is designated as follows:

**Flap wheel with shaft ISO 3919 - 60 × 20 × 6 × 40**

## 4 Marking

Flap wheels with shaft 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.

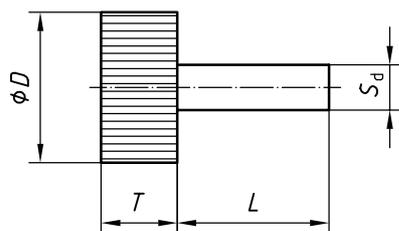


Figure 1

Table 1

Dimensions in millimetres

<i>D</i>	<i>T</i>						<i>S<sub>d</sub></i> h9	<i>L</i> ± 3
	10	15	20	30	40	50		
30	X	X	X	—	—	—	3 or 6	30 or 40
40	—	X	X	—	—	—		
50	—	—	X	X	—	—	6	
60	—	X	X	X	X	—	6	
80	—	—	—	X	X	X	6	