

INTERNATIONAL  
STANDARD

**ISO**  
**3919**

Third edition  
1993-07-15

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**Coated abrasives — Flap wheels with  
shafts — Dimensions and designation**

*Abrasifs appliqués — Roues à lamelles sur tiges — Dimensions et  
désignation*



Reference number  
ISO 3919:1993(E)

## 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.

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.

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

This third edition cancels and replaces the second edition (ISO 3919:1986), which has been technically revised.

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# Coated abrasives — Flap wheels with shafts — Dimensions and designation

## 1 Scope

This International Standard specifies the dimensions, in millimetres, of flap wheels with shafts and their designation.

## 2 Dimensions

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;

c) the diameter of the flap wheel,  $D$ , in millimetres;

d) the width of the flap wheel,  $T$ , in millimetres;

e) the shaft diameter,  $S$ , in millimetres;

f) the free length of the shaft, in millimetres.

### EXAMPLE

A flap wheel with shaft, with diameter  $D = 60$  mm, width  $T = 20$  mm, shaft diameter  $S = 6$  mm and having a free length of the shaft equal to 40 mm is designated as follows:

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

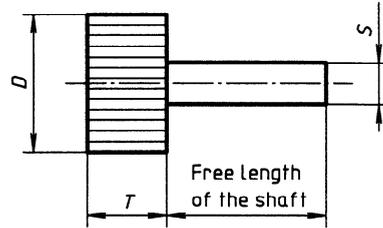


Figure 1

Table 1

Width $T$	Diameter of the flap wheel $D$				
	30	40	50	60	80
10	X				
15		X		X	
20			X	X	
30				X	X
40					X
50					X
<b>Shaft diameter <sup>1)</sup>, <math>s</math></b>	3 <sup>2)</sup>	3 <sup>2)</sup>	6	6	6
<b>Free length of the shaft</b>	25 or 40				
1) The values of 3,15 mm and 6,3 mm are acceptable for a transitional period. 2) The value of 6 mm (or 6,3 mm) is acceptable in secondary series.					

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