

# INTERNATIONAL STANDARD

**ISO**  
**3338-1**

Fourth edition  
1996-12-15

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## **Cylindrical shanks for milling cutters —**

### **Part 1:**

**Dimensional characteristics of plain cylindrical  
shanks**

ISO 3338-1:1996

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Queues cylindriques d'outils à fraiser

Partie 1: Caractéristiques dimensionnelles des queues cylindriques lisses



Reference number  
ISO 3338-1:1996(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 3338-1 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 2, *Drills, reamers, milling cutters and milling machine accessories*.

This fourth edition cancels and replaces the third edition (ISO 3338-1:1993), which has undergone minor revision.

ISO 3338 consists of the following parts, under the general title *Cylindrical shanks for milling cutters*:

- *Part 1: Dimensional characteristics of plain cylindrical shanks*
- *Part 2: Dimensional characteristics of flatted cylindrical shanks*
- *Part 3: Dimensional characteristics of threaded shanks*

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# Cylindrical shanks for milling cutters —

## Part 1:

### Dimensional characteristics of plain cylindrical shanks

#### 1 Scope

This part of ISO 3338 specifies the dimensions of plain cylindrical shanks for milling cutters (of diameters 3 mm to 63 mm). It is applicable to both single-ended cutters and double-ended cutters.

The dimensions of flatted cylindrical shanks and threaded shanks are the subject of ISO 3338-2 and ISO 3338-3 respectively.

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#### 2 Dimensions

See figure 1 and table 1.

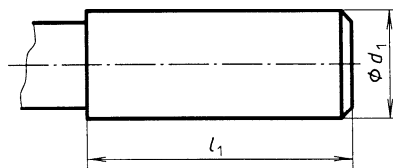


Figure 1

Table 1

Dimensions in millimetres

$d_1$ h8	3 <sup>1)</sup>	4	5	6 <sup>1)</sup>	8	10	12 <sup>1)</sup>	14	16	18	20	25	32 <sup>1)</sup>	40	50	63
$l_1$ $\begin{smallmatrix} +2 \\ 0 \end{smallmatrix}$	28		36		40	45		48		50	56	60	70	80	90	

1) Not in conformity with ISO 237:1975, *Rotating tools with parallel shanks — Diameters of shanks and sizes of driving squares.*

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**ICS 25.100.20**

**Descriptors:** tools, cutting tools, milling cutters, shanks, parallel shanks, form specifications, dimensions.

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