

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

*Transformed*

## ISO RECOMMENDATION R 523

RECOMMENDED RANGE OF OUTSIDE DIAMETERS  
FOR MILLING CUTTERS

1st EDITION  
November 1966

COPYRIGHT RESERVED

The copyright of ISO Recommendations and ISO Standards belongs to ISO Member Bodies. Reproduction of these documents, in any country, may be authorized therefore only by the national standards organization of that country, being a member of ISO.

For each individual country the only valid standard is the national standard of that country.

Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

## BRIEF HISTORY

The ISO Recommendation R 523, *Recommended Range of Outside Diameters for Milling Cutters*, was drawn up by Technical Committee ISO/TC 29, *Small Tools*, the Secretariat of which is held by the Association Française de Normalisation (AFNOR).

Work on this question by the Technical Committee began in 1958 and led, in 1962, to the adoption of a Draft ISO Recommendation.

In April 1964, this Draft ISO Recommendation (No. 669) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies:

Argentina	France	Spain
Australia	Germany	Sweden
Austria	Hungary	Switzerland
Belgium	India	Turkey
Brazil	Italy	United Kingdom
Canada	Japan	U.S.A.
Chile	Korea, Rep. of	U.S.S.R.
Colombia	New Zealand	Yugoslavia
Czechoslovakia	Poland	
Denmark	Portugal	

One Member Body opposed the approval of the Draft:

Netherlands.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in November 1966, to accept it as an ISO RECOMMENDATION.

## RECOMMENDED RANGE OF OUTSIDE DIAMETERS FOR MILLING CUTTERS

### 1. SCOPE

This ISO Recommendation for a recommended range of outside diameters applies in principle to all milling cutters, including metal slitting saws.

Cutters whose exact diameters are strictly governed by the particular purpose for which they are intended (T slot cutters or keyway cutters for example) are, however, excluded from its scope.

### 2. INTERCHANGEABILITY

This ISO Recommendation comprises two numerical tables relating to the metric range (Table 1, page 4) and to the inch range (Table 2, page 4) respectively.

Although the sizes given in the two ranges are not identical, they are close enough to each other to provide practical interchangeability between the outside diameters in one range and the corresponding outside diameters in the other.

### 3. SPECIFICATION

The two recommended ranges of outside diameters, in millimetres and in inches, have been established by using preferred numbers, exact or rounded values, in accordance with the R 10 scale for the principal series and R 20 for the complete range, which includes the sizes in the secondary series.