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# INTERNATIONAL STANDARD



# 1117

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Bonded abrasive products — Grinding-wheel dimensions (Part 2)

*Produits abrasifs agglomérés — Dimensions des meules (Deuxième partie)*

First edition — 1975-05-01

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 29 has reviewed ISO Recommendation R 1117 and found it technically suitable for transformation. International Standard ISO 1117 therefore replaces ISO Recommendation R 1117-1969 to which it is technically identical.

ISO Recommendation R 1117 was approved by the Member Bodies of the following countries :

Australia	Israel	Sweden
Belgium	Italy	Switzerland
Czechoslovakia	Japan	Thailand
Egypt, Arab Rep. of	Netherlands	Turkey
France	New Zealand	United Kingdom
Germany	Peru	U.S.A.
Greece	Poland	U.S.S.R.
Hungary	Portugal	Yugoslavia
India	South Africa, Rep. of	
Ireland	Spain	

No Member Body expressed disapproval of the Recommendation.

The Member Bodies of the following countries disapproved the transformation of ISO/R 1117 into an International Standard :

Austria  
Sweden  
Switzerland

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## Bonded abrasive products — Grinding-wheel dimensions (Part 2)

### 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions of different types of grinding wheels. Outside diameters, thicknesses and hole diameters are in accordance with ISO 525, save for the exceptions indicated by a reference mark.

The dimensions are expressed in both millimetres and inches. The holes being identical, wheels of the metric series and those of the inch series can be mounted on the same machines; however, the overall dimensions possibly being slightly different, wheels of both series can only be considered as equivalent.

The symbols for dimensions used are in accordance with those of ISO 525. They may be replaced in national standards by those in conformity with the rules prevailing

in the country concerned, until international agreement regarding a single reference system is reached.

The figures accompanying the tables are only rough sketches which permit reference to the useful dimensions; particularly, for cup grinding wheels and for plain grinding wheels with a recess, the inset angles should be replaced by a fillet to avoid any initiation of rupture, but permitting, however, correct application of the pieces on the shaft.

NOTE — The dimensions of other types of grinding wheels are given in ISO/R 603 and ISO 2933.

### 2 REFERENCE

ISO 525, *Bonded abrasive products — General features — Designation, ranges of dimensions, and profiles.*