## ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

# ISO RECOMMENDATION R 603

BONDED ABRASIVE PRODUCTS GRINDING-WHEEL DIMENSIONS (PART 1)

> 1st EDITION August 1967

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#### **BRIEF HISTORY**

The ISO Recommendation R603, Bonded Abrasive Products—Grinding-Wheel Dimensions (Part 1), 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 1950 and led, in 1963, to the adoption of a Draft ISO Recommendation.

In September 1964, this Draft ISO Recommendation (No. 736) 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	Hungary	Poland
Australia	India	Spain
Austria	Iran	Sweden
Belgium	Israel	Switzerland
Canada	Italy	Turkey
Chile	Japan	U.A.R.
Czechoslovakia	Korea, Rep. of	United Kingdom
France	Netherlands	U.S.A.
Germany	New Zealand	Yugoslavia

One Member Body opposed the approval of the Draft:

U.S.S.R.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in August 1967, to accept it as an ISO RECOMMENDATION.

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(Part 1)

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#### FOREWORD

Except where otherwise indicated, the dimensions shown for these grinding wheels are in accordance with those in ISO Recommendation R 525–1966, *Bonded Abrasive Products—General Features (Designation—Ranges of Dimensions—Profiles)*.

The letter symbols used for dimensions in this ISO Recommendation conform to those shown in ISO Recommendation R 525. Readers are reminded that they may be replaced in national standards by symbols conforming to the current practice of the country concerned until international agreement on a uniform system of symbols is reached.

The illustrations accompanying the tables are purely diagrammatic; for cup grinding-wheels and plain recessed wheels in particular, the internal angles should be replaced by radii which obviate any tendency for cracks to form, but which nevertheless permit correct assembly of the components on the spindle.

The dimensions in this ISO Recommendation are expressed in both millimetres and inches. As the holes are identical, wheels from the metric series and those from the inch series can be mounted on the same machines; since the overall dimensions may be slightly different in the two systems, however, wheels of either series can be considered only as equivalent to each other.