

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 355

PART IV

ROLLING BEARINGS

TAPERED ROLLER BEARINGS

BOUNDARY DIMENSIONS

SUB-UNITS

INCH SERIES

1st EDITION
September 1968

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BRIEF HISTORY

The ISO Recommendation R 355, Part IV, *Rolling bearings – Tapered roller bearings – Boundary dimensions – Sub-units – Inch series*, was drawn up by Technical Committee ISO/TC 4, *Rolling bearings*, the Secretariat of which is held by the Sveriges Standardiseringskommission (SIS).

Work on this question by the Technical Committee began in 1962 and led, in 1963, to the adoption of a Draft ISO Recommendation.

In January 1965, this Draft ISO Recommendation (No. 641) 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	Germany	Poland
Australia	Hungary	Romania
Brazil	India	Sweden
Canada	Israel	Switzerland
Czechoslovakia	Italy	U.A.R.
Finland	Japan	United Kingdom
France	Netherlands	U.S.A.

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 September 1968, to accept it as an ISO RECOMMENDATION.

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BOUNDARY DIMENSIONS

PART IV

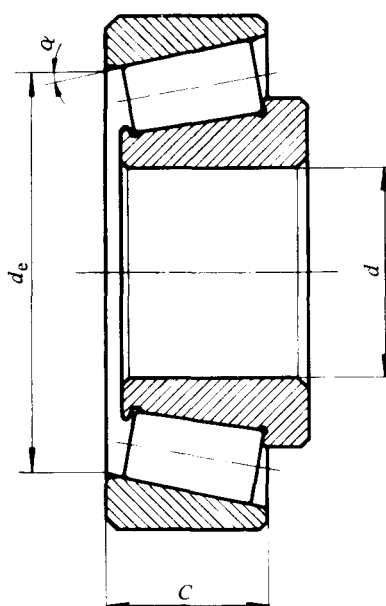
SUB-UNITS

INCH SERIES

1. SCOPE

The sub-units of tapered roller bearings consist of outer ring (cup unit) and inner ring, roller and cage assembly (cone unit). The boundary dimensions and tolerances of the complete bearings are given in relevant ISO Recommendations. In this ISO Recommendation only the additional sub-unit boundary dimensions are given with reference to the bearing bore diameter and dimension series.

2. SYMBOLS AND ABBREVIATIONS



- d = bearing bore diameter
- α = bearing angle of contact
- d_e = small inside diameter of outer ring
- C = outer ring width

The bearing line numbers refer to ISO Recommendation R 355, Part I : *Rolling bearings – Tapered roller bearings – Boundary dimensions*.