

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 582

ROLLING BEARINGS

TOLERANCES

METRIC SERIES BEARINGS

CHAMFER DIMENSION LIMITS

AND MAXIMUM SHAFT AND HOUSING FILLET RADIUS

1st EDITION

July 1967

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BRIEF HISTORY

The ISO Recommendation R 582, *Rolling Bearings—Tolerances—Metric Series Bearings—Chamfer Dimension Limits and Maximum Shaft and Housing Fillet Radius*, 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 1956 and led, in 1961, to the adoption of a Draft ISO Recommendation.

In July 1964, this Draft ISO Recommendation (No. 595) 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:

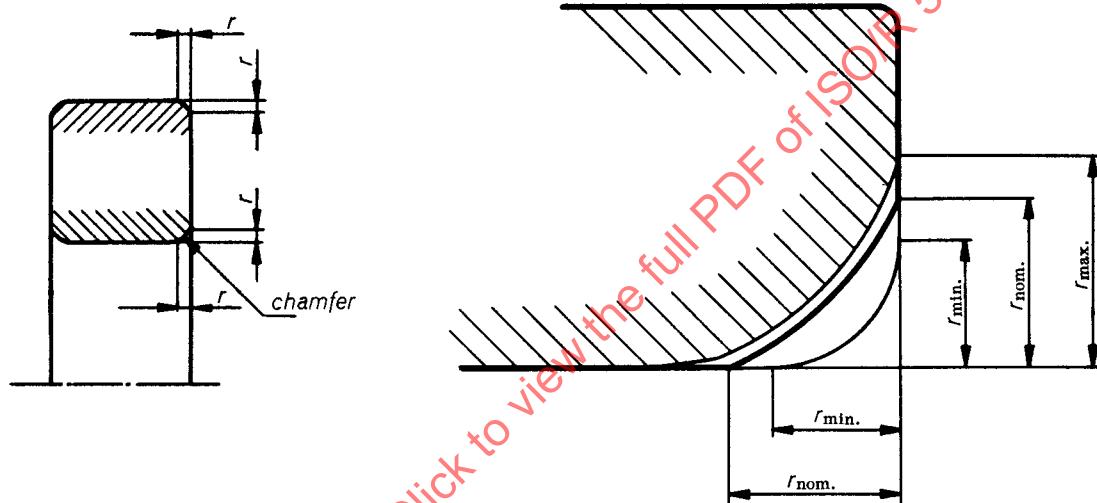
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Two Member Bodies opposed the approval of the Draft:

Canada
France

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

ROLLING BEARINGS
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CHAMFER DIMENSION LIMITS
AND MAXIMUM SHAFT AND HOUSING FILLET RADIUS



r = chamfer dimension
 $r_{nom.}$ = nominal chamfer dimension
 $r_{min.}$ = low limit of chamfer dimension
 $r_{max.}$ = high limit of chamfer dimension

NOTE. — The symbol $r_{max.}$ refers to the side face of the bearing ring (face of thrust bearing washer). In the bearing bore and on the outside surface, the $r_{max.}$ value may be somewhat exceeded because the "not go side" tolerance limits do not necessarily apply within a distance of twice the nominal ring chamfer dimension from the ring face.