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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

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 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:

Austria	Italy	Switzerland
Brazil	Japan	U.A.R.
Chile	Netherlands	United Kingdom
Czechoslovakia	Poland	U.S.A.
Germany	Portugal	U.S.S.R.
Hungary	Romania	Yugoslavia
India	Spain	
Israel	Sweden	

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.

ISO Recommendation R 582 July 1967

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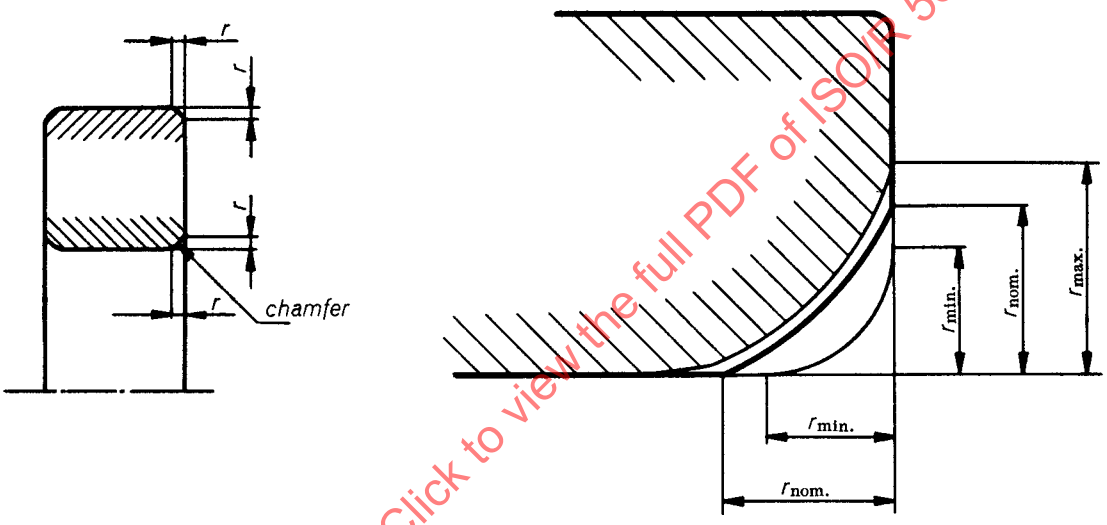

r = *chamfer dimension*
$r_{nom.}$ = *nominal chamfer dimension*
$r_{min.}$ = *low limit of chamfer dimension*
$r_{max.}$ = *high limit of chamfer dimension*

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.