

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 300

PART III

ISO IDENTIFICATION CODE FOR ROLLING BEARINGS

GROUP V: AIRFRAME BEARINGS

1st EDITION

January 1968

COPYRIGHT RESERVED

The copyright of ISO Recommendations and ISO Standards belongs to ISO Member Bodies. Reproduction of these documents, in any country, may be authorized therefore only by the national standards organization of that country, being a member of ISO.

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.

This document is a preview generated by EVS

BRIEF HISTORY

The ISO Recommendation R 300/Part III, *ISO Identification Code for rolling bearings—Groupe V: airframe bearings*, 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 1959 and led, in 1963, to the adoption of a Draft ISO Recommendation.

In April 1965, this Draft ISO Recommendation (No. 642) 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:

Australia	India	Switzerland
Austria	Italy	Sweden
Canada	Japan	Turkey
Czechoslovakia	Netherlands	U.A.R.
France	Poland	United Kingdom
Germany	Romania	U.S.A.
Hungary	Spain	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 January 1968, to accept it as an ISO RECOMMENDATION.

ISO IDENTIFICATION CODE FOR ROLLING BEARINGS

GROUP V: AIRFRAME BEARINGS

INTRODUCTION

Purpose of the Code

This ISO Identification Code for airframe rolling bearings has been developed to identify and, as far as possible, describe each bearing on the basis of dimensional and functional interchangeability.

The Code provides a universal language for describing and identifying bearings for the purpose of facilitating communications between the user and the manufacturer. It is also intended to simplify handling by the user of identical bearings made by different manufacturers and identified by different numbers, whose meaning may be difficult to interpret, since the various designation systems used by manufacturers are not identical and generally differ from this Code.

The Code is not meant to give any intimation whatsoever of the availability of different types of bearing. For such purpose the bearing manufacturers' catalogues should be consulted.

Scope of the Code

This Code applies only to airframe rolling bearings of ball or roller designs made to metric and inch dimensions in accordance with ISO Recommendation R . . . *, *Airframe bearings—Dimensions*.

Generally these bearings have limited application and are thereby limited in design variations as compared to bearings coded by the ISO Recommendation R 300/Part I, *ISO Identification code for rolling bearings*. It is important to take advantage of the limited variations, in order to give the shortest possible code, thereby permitting the use of a fully descriptive code on the bearings, should this be required. The Code makes no provisions for the numbering or identification of component parts of bearings or internal details of construction.

Structure of the Code

The structure of the Code is a system of alternate groups of figures and letters. The Code identifies a ball or roller bearing by means of one group of figures indicating the bearing bore diameter, followed by letters indicating the bearing type, a series number indicating the geometrical pattern and dimensions, followed by letters to indicate design modifications such as clearances and metallurgical characteristics, etc., as shown in the Table below.

TABLE

Section 1			Section 2
Basic number			Design variations
Bore	Type	Series No.	Plating steel clearance
		Geometry and dimensions	
0	A	0	A
or	or	or	
00	AA	00	

* At present Draft ISO Recommendation No. 474.