

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 300

PART II

ISO IDENTIFICATION CODE FOR ROLLING BEARINGS

GROUP IV: TAPERED ROLLER BEARINGS, INCH SERIES

1st EDITION

December 1965

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 II, *ISO Identification Code for Rolling Bearings. Group IV. Tapered Roller Bearings, Inch Series*, was drawn up by Technical Committee ISO/TC 4, *Rolling Bearings*, the Secretariat of which is held by the Sveriges Standardiseringskommision (SIS).

Work on this question by the Technical Committee began in 1956 and led, in 1959, to the adoption of a Draft ISO Recommendation.

In June 1963, this Draft ISO Recommendation (No. 416) was circulated to all the ISO Member Bodies for enquiry. It was approved by the following Member Bodies:

Australia	Greece	Romania
Austria	Hungary	Spain
Belgium	India	Sweden
Canada	Italy	Switzerland
Chile	Japan	United Kingdom
Czechoslovakia	Netherlands	U.S.A.
France	New Zealand	Yugoslavia
Germany	Poland	

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 December 1965, to accept it as an ISO RECOMMENDATION.

CONTENTS

	Page
Introduction	5
1. Section 1: Basic Number	6
1.1 Bore	6
1.2 Type	6
1.2.1 Bearing type symbols	6
1.3 Dimension series (line)	6
1.4 Example	6
2. Section 2: Modification of design	7
2.1 Cage	7
2.2 Bearing ring modification	8
2.2.1 Tapered bore	8
2.2.2 Miscellaneous modifications	8
3. Section 3: Internal fit and tolerances	9
4. Section 4: Lubricants and preservatives	10
5. Section 5: Special requirements	11

ISO IDENTIFICATION CODE FOR ROLLING BEARINGS

GROUP IV: TAPERED ROLLER BEARINGS, INCH SERIES

INTRODUCTION

A bearing number in Group IV is divided into five sections, of which Section 1 constitutes the *Basic Number* and should always be shown. Sections 2 to 5 constitute the *Supplementary Number*.

No symbol in Section 1 should be omitted.

When Sections 2 to 5 are not needed, no symbol is shown in any of these sections.

When one or more intermediate sections are not needed, the cage symbol or the letter X is used for Section 2, the figure 0 for Section 3 and the letter X for Section 4, to space the other sections apart. Unused sections that otherwise would end a number are not shown.

TABLE 1. — Schematic arrangement of Group IV

Group IV: Tapered roller bearings, Inch Series								
Basic Number			Supplementary Number					
Section 1			Section 2		Section 3		Section 4	Section 5
Type and boundary dimensions			Modification of design		Internal fit and tolerances		Lubricants and preservatives	Special requirements
Bore	Type	Dimension series (line)	Cage	Bearing ring modification	Internal fit	Tolerances		
00	AAA	0	A	A	0	0	A	000

Section 1 (Basic Number) comprises symbols indicating bearing type and main boundary dimensions: bore, outside diameter, inner ring width and bearing width, as shown on page 6.

Section 2 (Modification of design) establishes suffix letters indicating cage type, tapered bore and other modifications of regular design as shown on pages 7 and 8.

Section 3 (Internal fit and tolerances) establishes suffix figures indicating data as shown on page 9.

Section 4 (Lubricants and preservatives) establishes suffix letters to identify types of lubricants and preservatives as shown on page 10.

Section 5 (Special requirements) establishes suffix figures for specification items as shown on page 11 and in Appendix 1 of ISO Recommendation R 300/I, *ISO Identification Code for Rolling Bearings*.