Accredited Standards Committee B3

Thrust Needle Roller And Cage Assemblies and Thrust Washers Inch Design ANSI/ABMA 21.2:1988

Secretariat

American Bearing Manufacturers Association

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Thrust Needle Roller and Cage Assemblies and Thrust Washers - Inch Design

1. SCOPE

This standard for inch thrust needle roller and cage assemblies and thrust washers covers:

Identification Code
Symbols and Nomenclature
Boundary Dimensions
Tolerances
Mounting Practice

All thrust needle roller and cage assemblies and thrust washers listed in this standard are not necessarily available. For availability, consult bearing manufacturers. Other applicable standards should be consulted for tolerance definitions, gaging practices and methods of evaluating load ratings.

This standard only covers external dimensions. Functional interchangeability between different makes of standard thrust needle roller and cage assemblies and thrust washers of the same size may depend on bearing features which are not standardized. Hence, the substitution of one make of a standard bearing for another should only be made after careful comparison of their characteristics and consideration of the requirements of the particular application.

2. IDENTIFICATION CODE

2.1 General—This code identifies and, as far as possible, describes each thrust needle roller and cage assembly or thrust washer on the basis of complete dimensional interchangeability. This code establishes a universal language for describing and identifying inch design thrust needle roller and cage assemblies and thrust washers in order to facilitate communication between the user and the manufacturer. The code is also intended to simplify the handling by user personnel of identical bearings made by different manufacturers, whose identification numbers may be different.

This code applies only to those inch design thrust needle roller and cage assemblies and thrust washers whose boundary dimensions and tolerances conform to this standard.

2.2 Structure of the Code—As shown in the following table, Schematic Arrangement of a Complete Code Number, the code consists of one or two sections.

Section 1, called the Basic Number, includes a diameter symbol made up of a group of numerals, followed by a type symbol made up of a group of letters and finally a dimension series symbol made up of a group of numerals. This Basic Number must always be used.

Section 2, pertains only to thrust needle roller and cage assemblies, and when used delineates cage materials.

In the Schematic Arrangement Table below, “0” represents any code numeral and “A” represents any code letter.

SCHEMATIC ARRANGEMENT OF A COMPLETE CODE NUMBER

SECTION 1, BASIC NUMBER			SECTION 2*
Diameter	Type	Dimension Series	Cage Material
00	AAA	000	A

*Section 2, when used, pertains only to thrust needle roller and cage assemblies