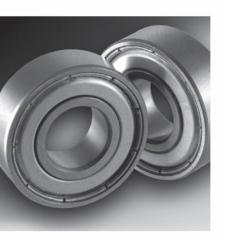
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# Thrust Bearings of Ball, Cylindrical Roller & Spherical Roller Types—Metric Design



### Secretariat

American Bearing Manufacturers Association

ANSI/ABMA 24.1: 1989

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## ADMA STANDAND 24.1

# THRUST BEARINGS OF BALL, CYLINDRICAL ROLLER & SPHERICAL ROLLER TYPES – METRIC DESIGN

#### 1. SCOPE

This standard for thrust bearings of ball, cylindrical roller and spherical roller types of metric design covers:

**Identification Code** 

Symbols and Nomenclature

**Boundary Dimensions** 

**Tolerances** 

Mounting Dimensions

All bearings and components 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 bearings or components of the same size may depend on bearing features which are not standardized. Hence, the substitution of one make of 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 Scope of Code

This code identifies and, as far as possible, describes each thrust bearing or component on the basis of complete dimensional interchangeability. This code establishes a universal language for describing and identifying metric design thrust bearings and components of the types covered in this standard in order to facilitate communications 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 thrust bearings or components whose boundary dimensions and tolerances conform to this standard.

#### 2.2 Code

The identification code for thrust bearings of ball, cylindrical roller and spherical roller types of metric design is made up of three parts:

- 1. A one, two, three or four digit number identifying the bearing bore in millimetres.
- 2. The letter T identifying a thrust bearing followed by one or two arbitrarily chosen letters identifying the type of thrust bearing as shown in Table 1 and 2.
- 3. An arbitrarily chosen two digit number identifying the bearing series within its class as shown in Table 3.