



*Accredited Standards  
Committee B3*

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

**Secretariat**

**American Bearing  
Manufacturers Association**

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**THRUST BEARINGS OF BALL, CYLINDRICAL ROLLER &  
SPHERICAL ROLLER TYPES—METRIC DESIGN**

**CONTENTS**

1. Scope .....	1
2. Identification Code .....	1
3. Symbols and Nomenclature .....	2
4. Boundary Dimensions .....	5
5. Tolerances .....	49
6. Mounting Dimensions .....	61

TABLE 1	Thrust Ball Bearings—Type Symbols.....	3
TABLE 2	Thrust Roller Bearings—Type Symbols .....	3
TABLE 3	Thrust Bearing—Series .....	4

*BOUNDARY DIMENSIONS*

TABLE 4	Thrust Ball Bearing—Single Direction, Washers with Grooved Raceways, Flat Back Faces, Extra Light Series, Type TA—Metric Design	
	Part I	Dimensions in millimetres.....5
	Part II	Dimensions in inches.....7
TABLE 5	Thrust Ball Bearing—Single Direction, Washers with Grooved Raceways, Flat Back Faces, Light Series, Type TA—Metric Design	
	Part I	Dimensions in millimetres.....9
	Part II	Dimensions in inches.....11
TABLE 6	Thrust Ball Bearing—Single Direction, Washers with Grooved Raceways, Flat Back Faces, Medium Series, Type TA—Metric Design	
	Part I	Dimensions in millimetres.....13
	Part II	Dimensions in inches.....15
TABLE 7	Thrust Ball Bearing—Single Direction, Washers with Grooved Raceways, Flat Back Faces, Medium Heavy Series, Type TA—Metric Design	
	Part I	Dimensions in millimetres.....17
	Part II	Dimensions in inches.....19
TABLE 8	Thrust Ball Bearing—Double Direction, Washers with Grooved Raceways, Flat Back Faces, Light Series, Type TDA—Metric Design	
	Part I	Dimensions in millimetres.....21
	Part II	Dimensions in inches.....23
TABLE 9	Thrust Ball Bearing—Double Direction, Washers with Grooved Raceways, Flat Back Faces, Light Series, Type TDA—Metric Design	
	Part I	Dimensions in millimetres.....25
	Part II	Dimensions in inches.....26
TABLE 10	Thrust Ball Bearing—Double Direction, Washers with Grooved Raceways, Flat Back Faces, Medium Series, Type TDA—Metric Design	
	Part I	Dimensions in millimetres.....27
	Part II	Dimensions in inches.....28
TABLE 11	Thrust Bearing—Cylindrical Rollers, Single Direction, Flat Raceways, Flat Back Faces, Medium Series, Type TP—Metric Design	
	Part I	Dimensions in millimetres.....29
	Part II	Dimensions in inches.....31
TABLE 12	Thrust Bearing—Cylindrical Rollers, Single Direction, Flat Raceways, Flat Back Faces, Heavy Series, Type TP—Metric Design	
	Part I	Dimensions in millimetres.....33
	Part II	Dimensions in inches.....35

TABLE 13	Thrust Bearing—Spherical Rollers, Single Direction, Aligning, Light Series, Type TS—Metric Design		
	Part I	Dimensions in millimetres .....	37
	Part II	Dimensions in inches .....	39
TABLE 14	Thrust Bearing—Spherical Rollers, Single Direction, Aligning, Medium Series, Type TS—Metric Design		
	Part I	Dimensions in millimetres .....	41
	Part II	Dimensions in inches .....	43
TABLE 15	Thrust Bearing—Spherical Rollers, Single Direction, Aligning, Heavy Series, Type TS—Metric Design		
	Part I	Dimensions in millimetres .....	45
	Part II	Dimensions in inches .....	47
<i>TOLERANCES</i>			
TABLE 16	Thrust Ball Bearing—Single Direction, Washers with Grooved Raceways, Flat Back Faces, Type TA—All Series—Metric Design		
	Part I	Dimensions in millimetres Tolerances in micrometres .....	49
	Part II	Dimensions in inches Tolerances in 0.0001 inches .....	51
TABLE 17	Thrust Ball Bearing—Double Direction, Washers with Grooved Raceways, Flat Back Faces, Type TDA—All Series—Metric Design		
	Part I	Dimensions in millimetres Tolerances in micrometres .....	53
	Part II	Dimensions in inches Tolerances in 0.0001 inches .....	55
TABLE 18	Thrust Bearing—Cylindrical Rollers, Single Direction, Flat Raceways, Flat Back Faces, Type TP—Medium and Heavy Series—Metric Design		
	Part I	Dimensions in millimetres Tolerances in micrometres .....	57
	Part II	Dimensions in inches Tolerances in 0.0001 inches .....	58
TABLE 19	Thrust Bearing—Spherical Rollers, Single Direction, Aligning, Type TS— All Series—Metric Design		
	Part I	Dimensions in millimetres Tolerances in micrometres .....	59
	Part II	Dimensions in inches Tolerances in 0.0001 inches .....	60

**LIST OF TABLES & FIGURES (cont'd.)**

*MOUNTING DIMENSIONS*

TABLE 20	Thrust Ball Bearing—Single Direction, Washers with Grooved Raceways, Flat Back Faces, Type TA—All Series-Metric Design and Double Direction, Washers with Grooved Raceways, Flat Back Faces, Type TDA—All Series	
	Part I	Dimensions in millimetres Deviations in micrometres ..... 61
	Part II	Dimensions in inches Deviations in 0.001 inches ..... 62
TABLE 21	Thrust Bearing—Cylindrical Rollers, Single Direction, Flat Raceways, Flat Back Faces, Type TP—All Series—Metric Design	
	Part I	Dimensions in millimetres Deviations in micrometres ..... 63
	Part II	Dimensions in inches Deviations in 0.0001 inches ..... 64
TABLE 22	Thrust Bearing—Spherical Rollers, Single Direction, Aligning, Type TS—All Series-Metric Design	
	Part I	Dimensions in millimetres Deviations in micrometres ..... 65
	Part II	Dimensions in inches Deviations in 0.0001 inches ..... 66

**ABMA STANDARD 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.