

ANSI/ABMA 23.2

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ANSI/AFBMA
Std 23.2-1988

AMERICAN NATIONAL STANDARD
AFBMA STANDARD
THRUST BEARINGS OF TAPERED ROLLER TYPE -
INCH DESIGN

Sponsor
**The Anti-Friction Bearing
Manufacturers Association, Inc.**

Approved November 4, 1988
American National Standards Institute, Inc.

American National Standard

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FOREWORD

(This foreword is not a part of ANSI/AFBMA Standard 23.2—1988, Thrust Bearings of Tapered Roller Type, Inch Design.)

This American National Standard consolidates the boundary dimensions, tolerance limits and fitting and mounting practices for inch design tapered roller thrust bearings which have been in general use in the USA in recent years. Many of the boundary dimensions are formerly found in ANSI/AFBMA Standard 21.2—1977.

The dimensions, tolerances and clearances stated in this standard are based on U.S. customary (inch-pound) units and are found in Part II of the various tables. A soft conversion to metric units is provided in Part I of the various tables for the convenience of the user.

Suggestions for the improvement of this standard gained through experience with its use will be welcomed. These should be sent to the American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018.

The officers of Sectional Committee B3 of the American National Standards Institute and the organizations represented at the time this standard was submitted are as follows:

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Anti-Friction Bearings Manufacturers Association
Hydraulic Institute
National Machine Tool Builders Association
Society of Automotive Engineers
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U.S. Department of Defense, DISC
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Other related AFBMA Standards
for
Ball and Roller Bearings
and Balls

- 1 —Terminology
- 4 —Tolerance Definitions and Gaging Practices
- 7 —Shaft and Housing Fits for Metric Radial Ball and Roller Bearings (Except Tapered Roller Bearings) Conforming to Basic Boundary Plans
- 8.1 —Ball and Roller Bearings Mounting Accessories, Metric Design
- 8.2 —Ball and Roller Bearings Mounting Accessories, Inch Design
- 9 —Load Ratings and Fatigue Life for Ball Bearings
- 10 —Metal Balls
- 11 —Load Ratings and Fatigue Life for Ball Bearings
- 12.1 —Instrument Ball Bearings, Metric Design
- 12.2 —Instrument Ball Bearings, Inch Design
- 13 —Rolling Bearing Vibration and Noise
- 14 —Housing for Bearings With Spherical Outside Surfaces
- 15 —Ball Bearings With Spherical Outside Surfaces and Extended Inner Ring Width (Includes Eccentric Locking Collars)
- 16.1 —Airframe Ball, Roller and Needle Roller Bearings, Metric Design
- 16.2 —Airframe Ball, Roller and Needle Roller Bearings, Inch Design
- 17 —Needle Rollers, Metric Design
- 18.1 —Needle Roller Bearings—Radial, Metric Design
- 18.2 —Needle Roller Bearings—Radial, Inch Design
- 19 —Tapered Roller Bearings, Radial, Inch Design
- 19.1 —Tapered Roller Bearings, Radial, Metric Design
- 20 —Radial Bearings of Ball Cylindrical Roller and Spherical Roller Types, Metric Design
- 21.1 —Thrust Needle Roller and Cage Assemblies and Thrust Washers, Metric Design
- 21.2 —Thrust Needle Roller and Cage Assemblies and Thrust Washers, Inch Design
- 22.2 —Spherical Plain Bearings, Joint Type, Inch Design
- 24.1 —Thrust Bearings of Ball, Cylindrical Roller & Spherical Roller Types, Metric Design
- 24.2 —Thrust Bearings of Ball & Cylindrical Roller Types, Inch Design

An AFBMA Standard is intended as a guide to aid the manufacturer, the consumer and the general public. The existence of an AFBMA Standard does not in any respect preclude anyone, whether he has approved the Standard or not from manufacturing, marketing, purchasing, or using products, processes, or procedures not conforming to the standard. AFBMA Standards are subject to revision or withdrawal at any time and users who refer to an AFBMA Standard should satisfy themselves that they have the latest information from the Association.

Thrust Bearings of Tapered Roller Type - Inch Design

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