

ANSI/ABMA 26.2

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ANSI/ABMA
Std. 26.2 - 1994

AMERICAN NATIONAL STANDARD ABMA STANDARD

THIN SECTION BALL BEARINGS INCH DESIGN

Sponsored by

American Bearing Manufacturers Association

Approved May 23, 1994

American National Standards Institute

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FOREWORD

(This foreword is not a part of American National Standard for Thin Section Ball Bearings - Inch Design, ANSI/ABMA Standard 26.2.)

This Standard covers inch design thin section ball bearings with a fixed cross section in series and types which have been in general use in the U.S.A. in recent years, as well as recommended extra width series which may be necessary to accommodate closures. These bearings are unique in that, within a given series, the bearing cross-section remains constant irrespective of the bore diameter. Ball bearings of single row, radial contact; single row, angular contact; and single row, four-point angular contact are covered.

The dimensions and tolerances stated in this standard are based on U.S.A. customary (inch-pound) units. A soft conversion to metric units for the various tables in this standard is provided in Annex A 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., 11 West 42nd Street, 13th Floor, New York, NY 10036.

The officers of Accredited Standards 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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American Bearing Manufacturers Association
Hydraulic Institute
Association for Manufacturing Technology
Society of Tribologists and Lubrication Engineers
U. S. Department of Defense, DISC
U. S. Department of the Navy

ABMA (formerly AFBMA) Standards for Ball and Roller Bearings

- 1 - Terminology for Anti-Friction Ball and Roller Bearings and Parts
- 4 - Tolerance Definitions and Gauging Practices for Ball and Roller Bearings
- 7 - Shaft and Housing Fits for Metric Radial Ball and Roller Bearings (Except Tapered Roller Bearings)
Conforming to Basic Boundary Plans
- 8.1 - Mounting Accessories, Metric Design
- 8.2 - Mounting Accessories, Inch Design
- 9 - Load Ratings and Fatigue Life for Ball Bearings
- 10 - Metal Balls
- 11 - Load Ratings and Fatigue Life for Roller Bearings
- 12.1 - Instrument Ball Bearings, Metric Design
- 12.2 - Instrument Ball Bearings, Inch Design
- 13 - Rolling Bearing Vibration and Noise (Methods of Measuring)
- 14 - Housings 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
- 19.1 - Tapered Roller Bearings, Radial, Metric Design
- 19.2 - Tapered Roller Bearings, Radial, Inch 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
- 22.1 - Spherical Plain Radial Bearings, Joint Type - Metric Design
- 22.2 - Spherical Plain Radial Bearings, Joint Type - Inch Design
- 23.2 - Thrust Bearings of Tapered Roller Type - Inch Design
- 24.1 - Thrust Bearings of Ball, Cylindrical Roller and Spherical Roller Types - Metric Design
- 24.2 - Thrust Bearings of Ball and Cylindrical Roller Types - Inch Design
- 25.2 - Rolling Bearings, Linear Motion, Recirculating Ball, Sleeve Type - Inch Series
- 26.2 - Thin Section Ball Bearings - Inch Design

An ABMA Standard is intended as a guide to aid the manufacturer, the consumer, and the general public. The existence of an ABMA 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. ABMA Standards are subject to revision or withdrawal at any time and users who refer to an ABMA Standard should satisfy themselves that they have the latest information from the Association.

THIN SECTION BEARINGS INCH DESIGN

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