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ANSI/AFBMA
Std. 17-1980

AMERICAN NATIONAL STANDARD AFBMA STANDARD

NEEDLE ROLLERS METRIC DESIGN

Sponsor
The Anti-Friction Bearing
Manufacturers Association, Inc.

Approved October 27, 1980
American National Standards Institute, Inc.

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American National Standard

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FOREWORD

(This foreword is not part of ANSI/AFBMA Standard 17-1980, Needle Rollers, Metric Design.)

This American National Standard presents dimensions and tolerances for metric design needle rollers. It is in agreement with ISO 3096, Needle Rollers, Boundary Dimensions and ISO/DIS 6193, Needle Rollers, Tolerances.

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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 National Machine Tool Builders Association
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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
- 8.2 — Ball and Roller Bearing 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 — Instrument Ball Bearings
- 13 — Roller Bearing Vibration and Noise
- 14 — Housings for Bearings With Spherical Outside Surfaces
- 16.2 — Airframe Ball, Roller and Needle Roller Bearing, Inch Design
- 17 — Needle Rollers, Metric Design
- 18.1 — Metric Design Radial Needle Roller Bearings
- 18.2 — Inch Design Radial Needle Roller Bearings
- 19 — Tapered Roller Bearings, Radial, Inch Design
- 20 — Metric Ball and Roller Bearings (Except Tapered Roller Bearings) Conforming to Basic Boundary Plans
- 21 — Metric Thrust Needle Roller and Cage Assemblies and Thrust Washers
- 21.2 — Thrust Bearings of Ball, Cylindrical Roller, Tapered Roller and Needle Roller Types, Inch Design
- 22 — Spherical Plain Bearings, Joint Type

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NEEDLE ROLLERS METRIC DESIGN

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