

AEROSPACE STANDARD

SAE AS8914

REV.
A

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Superseding AS8914

(R) Bearing, Roller, Self-Aligning, Airframe, Antifriction

FSC 3110

NOTICE

This document includes cadmium as a plating material. The use of cadmium has been restricted and/or banned for use in many countries due to environmental and health concerns. The user should consult with local officials on applicable health and environmental regulations regarding its use.

1. SCOPE:

1.1 This specification covers the requirements for nonseparable antifriction roller bearings.

1.2 Classification:

Bearings shall be of the following types as specified (see 6.2):

Type I Bearing, roller, self-aligning, single row, airframe, antifriction, sealed

Type II Bearing, roller, self-aligning, double row, airframe, antifriction, sealed

Type III Bearing, roller, self-aligning, double row, wide inner ring, airframe, antifriction, sealed

Type IV Bearing, roller, self-aligning, double row, torque tube, airframe, antifriction, sealed

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2. APPLICABLE DOCUMENTS:

- 2.1 The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

SPECIFICATIONS

Military

MIL-DTL-197J	Packaging of Bearings, Antifriction, Associated Parts and Subassemblies
MIL-PRF-81322	Grease, Aircraft, General Purpose Wide Temperature Range
MIL-PRF-23827	Grease, Aircraft and Instrument, Gear and Actuator Screw, NATO Code Number G-354

STANDARDS

Military

MIL-STD-130	Identification Marking of U.S. Military Property
MIL-STD-810	Environmental Engineering Considerations and Laboratory Tests
MIL-STD-1916	DoD Preferred Methods for Acceptance of Product
MIL-HDBK-831	Preparation of Test Reports

(Copies of specifications, standards, drawings, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

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2.2 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

AS21431	Bearing, Roller, Self-Aligning Single Row, Anti-Friction, Sealed, Type I
AS21446	Bearing, Roller, Self-Aligning Single Row, Barrel Roller, Torque Tube, Airframe, Antifriction, Sealed, Type V
AS28912	Bearing, Roller, Self-Aligning, Single Row Airframe, Anti-Friction, Sealed, Type I
AS28913	Bearing, Roller, Self-Aligning, Double Row Airframe, Anti-Friction, Sealed, Type II
AS28914	Bearing, Roller, Self-Aligning, Double Row, Wide Inner Ring, Airframe, Anti- Friction, Sealed, Type III
AS28915	Bearing, Roller, Self-Aligning, Double Row, Torque Tube, Airframe, Anti- Friction, Sealed, Type IV

SAE-AMS-QQ-P-416 Plating, Cadmium (Electrodeposited)

2.3 Other Publications:

The following document forms a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids shall apply.

American National Standards Institute, Incorporated

ANSI/ASME B46.1 Surface Texture, Surface Roughness, Waviness, and Lay

(Applications for copies should be addressed to the American National Standards Institute, Incorporated, 25 West 43rd Street, New York, NY 10036-8002.)

3. REQUIREMENTS:

3.1 Qualification:

The bearings furnished under this specification shall be products which have been tested and have passed the qualification tests specified herein, and have been listed or approved for listing on the applicable qualified products list at the time set for opening of bids.