

**INCH - POUND**

MIL-B-8976  
Amendment 4  
07 February 1994  
SUPERSEDING  
Amendment 3  
12 October 1993

**MILITARY SPECIFICATION**  
**BEARINGS, PLAIN, SELF-ALIGNING, ALL METAL**

This amendment forms a part of Military Specification MIL-B-8976, dated 06 February 1969, and is approved for use by all Departments and Agencies of the Department of Defense.

**PAGE 1**

2.1, Under "Federal," delete QQ-P-416, Plating, Cadmium (electrodeposited).

Under "Military," delete "MIL-D-1000" and substitute "MIL-T-31000, Technical Data Packages, General Specification For."

Under "Military," delete "MIL-B-197" and substitute:

**MIL-P-197**                      **Packaging of Anti-friction Bearings,  
Associated Parts and Subassemblies**

**PAGE 2**

2.2, ADD Non-Government Standard:

**SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)**

**AMS 2417 Plating, Zinc-Nickel Alloy**

(Application for copies should be addressed to SAE, 400 Commonwealth Drive, Warrendale, PA 15096)

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PAGE 3

3.2.1, delete first sentence and substitute:

Zinc-Nickel plating shall be in accordance with AMS 2417, Type 2  
with a thickness range of 0.0003 to 0.0006 inches.

3.4.3, delete "MIL-B-197" in first sentence and substitute "MIL-P-197."

PAGE 4

Table I, Internal play, radial: delete "0.001"  
"0.002"

and substitute: "0.0005"  
"0.0020"

3.6, last line: delete "MIL-D-1000" and substitute: "MIL-T-31000."

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4.3.2 Add at the end of second sentence "and shall include copies of the  
load versus deflection curves from the radial and axial static limit load  
tests."

PAGE 8

4.6.2, line 3, after second sentence, add: "The hole in the support fixture  
for clearance of the ball shall be in accordance with support test fixture  
"Inner Diameter" referenced in MS21154."

5.1.1, 5.2.1 and 5.2.2, delete "MIL-B-197" and substitute "MIL-P-197."

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Correct note:

6.4 Cadmium plated parts: For existing inventories, cadmium plated  
parts are acceptable.

Under "Custodians," delete "Air Force 11" and substitute "Air Force 99."  
Under "Review activities," delete "Air Force 11."

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The margins of this amendment are marked with vertical lines to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Custodians:

Navy - AS  
Air Force - 99  
Army - AV

Preparing Activity:

Navy - AS  
(Project No. 3120-0739)

Review activities:

Air Force - 84  
DLA - IS