

FED. SUPPLY CLASS

5306

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers eye bolts, shoulder, shoulderless and flattened.

2. APPLICABLE DOCUMENTS

2.1 Government documents

2.1.1 Specifications and standards. The following specifications and standards form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the solicitation.

SPECIFICATIONS

FEDERAL

MIL-STD-2073/1 Standard Practice for Military Packaging

STANDARDS

FEDERAL

FED-STD-H28/2 Screw Thread Standards for Federal Services, Section 2, Unified Thread Form and Thread Series for Bolts, Screws, Nuts, Tapped Holes and General Applications

FED-STD-H28/20 Inspection Methods for Acceptability of UN, UNR, UNJ, M and MJ Screw-Threads

MILITARY

MIL-STD-130 Identification Marking of U.S. Military Property
MS51937 Bolt, Eye-Shoulder

(Copies of specifications, standards, handbooks, drawings, publications and other Government documents required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting activity).

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of the documents which are DoD adopted shall be those listed in the issue of the DoDISS specified in the solicitation. Unless otherwise specified, the issues of documents not listed in the DoDISS shall be the issue of the nongovernment documents which is current on the date of the solicitation.

ASTM International

ASTM E112 Grain Size, Determining Average
ASTM D3951 Standard Practice for Commercial Packaging

(Copies can be obtained from ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA, 19428-2959 USA www.astm.org)

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-B-45908, REVISION B.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NONE	TITLE BOLT, EYE, GENERAL SPECIFICATION FOR	CLASSIFICATION SPECIFICATION NASM45908 SHEET 1 OF 5

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FORM 09-01

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SAE International

AMS6382 Steel Bars, Forgings and Rings
SAE J429 Mechanical and Material Requirements For Externally Threaded Fasteners
AMS-QQ-P-416 Plating, Cadmium (Electrodeposited)
AMS2759 Heat Treatment of Steel Parts, General Requirements

(Copies can be obtained from SAE International, 400 Commonwealth Dr., Warrendale, PA 15096-0001
www.sae.org)

American Society for Quality

ANSI/ASQ Z1.4 Sampling Procedures and Tables for Inspection by Attributes

(Copies can be obtained from the American Society for Quality, 600 North Plankinton Ave., Milwaukee, WI 53203
www.asq.org)

(Nongovernment standards and other publications are normally available from the organizations which prepare or which distribute the documents. These documents also may be available in or through libraries or other informational services).

- 2.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein (except for associated NASM standards), the text of this specification shall take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

- 3.1 Part Standard sheet. The individual item requirements shall be as specified herein and in accordance with the applicable PART STANDARD sheet. In the event of any conflict between the requirements of this specification and the part standard sheet, the latter shall govern.

- 3.2 Material. Recycled and reclaimed materials shall be used to the maximum extent practicable.

- 3.2.1 Shoulder eye bolts. Shoulder eye bolts shall be forged from forging quality steel having a grain size of ASTM 5 or finer as specified in ASTM E112. The sulfur content of the steel shall not exceed .05 percent, and the phosphorous content shall not exceed .04 percent. Welding to cover forging defects shall not be permitted.

- 3.2.2 Shoulderless and flattened eye bolts. Shoulderless and flattened eye bolts shall be Alloy Steel, Grade 4140 (UNS G41400) as specified in AMS6382.

- 3.3 Heat treatment. Eye bolts, shall be heat treated, before threading, in accordance with AMS-H-6875 AMS2759. Finished eye bolts shall be descaled.

- 3.4 Dimensions. Dimensions and tolerances shall be in accordance with the applicable part standard sheet.

- 3.5 Threads

- 3.5.1 Series and class of threads. Series and class of threads shall be Unified Coarse Series, Class 2A (UNC-2A) or Unified Fine Series, Class 2A (UNF-2A) in accordance with FED-STD-H28/2 as indicated by the applicable part standard sheet. Acceptability of screw threads shall be in accordance with FED-STD-H28/20, System 21.

- 3.5.2 Length of threads. The thread length shall be the distance from the point of the eye bolt shank to the last fully formed thread as designated by the applicable part standard sheet part number (see 3.1).

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REVISION
1
NASM45908
SHEET 2

