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FED. SUPPLY CLASS
5325

1. SCOPE

1.1 Scope. This specification covers grommets with washers or rings for use with miscellaneous canvas and leather equipment.

1.2 Classification. Grommets shall be of the following types, as specified.

Type I	Plain Grommet With Plain Washer (See NASM20230)
Type II	Plain Grommet With Toothed Washer
Type III	Rolled Rim Grommet With Spur Washer (See NASM20230)
Type IV	Oblong Grommet With Flat Washer
Type V	Oblong Grommet With Raised Washer
Type VIII	Eyelet Grommet With Ring

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

~~QQ-A-250/11~~	~~Aluminum Alloy 6061, Plate and Sheet~~
~~TT-E-489~~	~~Enamel, Alkyd, Gloss (for Exterior and Interior Surface)~~

Military

MIL-F-495	Finish, Chemical, Black, for Copper Alloys
MIL-A-8625	Anodic Coatings, for Aluminum and Aluminum Alloys
(2) MIL-DTL-16232	Phosphate Coating, Heavy Manganese or Zinc Base (for Ferrous Metals)
~~MIL-G-16491/1~~	~~Grommet, Metallic, Plain With Toothed Washer (Type II)~~
~~MIL-G-16491/2~~	~~Grommet, Metallic, Oblong With Flat Washer (Type IV)~~
~~MIL-G-16491/3~~	~~Grommet, Metallic, Oblong With Raised Washer (Type V)~~

STANDARDS

Federal

FED-STD-595	Colors Used in Government Procurement

Military

MIL-STD-2073-1	Standard Practice for Military Packaging
~~MS20230~~	~~Grommet, Metallic, Plain and Spur With Washer (Type I and Type III)~~

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

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-G-16491, REVISION F.

THIRD ANGLE PROJECTION	CUSTODIAN	REVISION
	NATIONAL AEROSPACE STANDARDS COMMITTEE	2
PROCUREMENT SPECIFICATION	TITLE	CLASSIFICATION SPECIFICATION
NONE	GROMMET, METALLIC, GENERAL SPECIFICATION FOR	NASM16491
		SHEET 1 OF 6

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FORM 12-01

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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.

American Society for Quality (ASQ)

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

ASTM International

ASTM B36/B36M	Brass Plate, Sheet, Strip, and Rolled Bar
ASTM A47/A47M	Malleable Iron Casting
~~ASTM A366~~	~~Steel Sheets, Carbon Cold Rolled, Commercial Quality~~
2 ASTM A510/A510M	General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel
~~ASTM A619/A619M~~	~~Steel Sheet, Carbon Cold Rolled, Drawing Quality~~
ASTM B633	Electrodeposited Coatings of Zinc on Iron and Steel
ASTM A1008/A1008M	Steel Sheets, Carbon Cold Rolled, Commercial Quality
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

Aerospace Industries Association

NASM16491/1	Grommet, Metallic, Plain With Toothed Washer (Type II)
NASM16491/2	Grommet, Metallic, Oblong With Flat Washer (Type IV)
NASM16491/3	Grommet, Metallic, Oblong With Raised Washer (Type V)
NASM20230	Grommet, Metallic, Plain and Spur With Washer (Type I and Type III)

Copies can be obtained from the Aerospace Industries Association, 1000 Wilson Blvd., Suite 1700, Arlington, VA 22209 www.aia-aerospace.org

SAE International

AMS-QQ-N-290	Nickel Plating (Electrodeposited)
AMS-QQ-P-416	Plating, Cadmium (Electrodeposited)
AMS4027	Aluminum Alloy, Sheet and Plate, Solution and Precipitation Heat Treated

Copies can be obtained from SAE International, 400 Commonwealth Dr., Warrendale, PA 15096-0001 www.sae.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 detail specifications, specification sheets or NAS 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 Specification sheets. The individual item requirements shall be as specified herein and in accordance with the applicable specification sheet. In the event of any conflict between the requirements of this specification and the specification sheet, the latter shall govern (see 6.2).

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