

FED. SUPPLY CLASS

5310

1. SCOPE

1.1 Scope. This specification covers washers; Shouldered, Recessed, Saddle, Concave and Convex.

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-250/5 Aluminum Alloy Alclad 2024, Plate and Sheet
QQ-A-250/12 Aluminum Alloy 7075, Plate and Sheet
L-P-410 Plastic, Polyamide (Nylon), Rigid: Rods, Tubes, Flats, Molded and Cast Parts

Military

MIL-DTL-5541 Chemical Conversion Coatings on Aluminum Alloys
MIL-S-6049 Steel, Chrome Nickel Molybdenum (8740) Bars and Reforging Stock (Aircraft Quality)
MIL-S-6758 Steel, Chrome Molybdenum (4130) Bars and Reforging Stock (Aircraft Quality)
MIL-A-8625 Anodic Coatings, for Aluminum and Aluminum Alloys
MIL-P-14078 Polytetrafluoroethylene (PTFE), Molded and Extruded Parts, Sheets, Rods, and Tubing
MIL-S-18729 Steel Plate, Sheet, and Strip, Alloy 4130 Aircraft Quality
MIL-STD-2073/1 Standard Practice for Military Packaging

Copies can be obtained from the Department of Defense Single Stock Point (DODSSP). <http://dodssp.daps.dla.mil>

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 E1444 Inspection Process, Magnetic Particle
ASTM A109/A109M Steel, Carbon, Cold-Rolled Strip
ASTM D4066 Nylon Injection and Extrusion Materials (PA), Standard Specification for
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. www.astm.org

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-W-45595, REVISION D.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NONE	TITLE WASHERS, SHOULDERED, RECESSED, SADDLE, CONCAVE AND CONVEX, GENERAL SPECIFICATION FOR	CLASSIFICATION SPECIFICATION NASM45595 SHEET 1 OF 6

ASME

ASME B46.1 Surface Texture (Surface Roughness, Waviness and Lay)

Copies can be obtained from ASME, Three Park Ave., New York, NY 10016-5990. www.asme.org

SAE International

AMS3651	Polytetrafluoroethylene
AMS3667	Polytetrafluoroethylene (PTFE) Sheet, Molded General Purpose Grade, As Sintered
AMS6322	Steel Bars, Forgings, and Rings .50Cr-.55Cr-.55 Ni-.25Mo (.38-.43C) (SAE 8740)
AMS6325	Steel Bars and Forgings .50Cr-.55Ni-.25Mo (.28-.43C) (SAE 8740) Heat Treated, 105 KSI (724 Mpa) Tensile Strength
AMS6327	Steel Bars and Forgings, .50Cr-.55Ni-.25Mo (.38-.43C) (SAE 8740) Heat Treated, 125 KSI (862 Mpa) Tensile Strength
AMS6345	Steel, Sheet, Strip, and Plate .95Cr - .20Mo (.28 - .33C) (SAE 4130) Normalized or Otherwise Heat Treated - UNS G41300
AMS6350	Steel Sheet, Strip, and Plate .95Cr - .20Mo (.28 - .33C) (SAE 4130) - UNS G41300
AMS6351	Steel Sheet, Strip, and Plate .95Cr - .20Mo (.28 - .33C) (SAE 4130) Spheroidized - UNS G41300
AMS-S-6758	Steel, Chrome-Molybdenum (4130) Bars and Reforging Stock (Aircraft Quality)
AMS-QQ-A-250/5	Aluminum Alloy Alclad 2024, Plate and Sheet – UNS A82024
AMS-QQ-A-250/12	Aluminum Alloy 7075, Plate and Sheet – UNS A97075
AMS-QQ-P-416	Plating, Cadmium (Electrodeposited)

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

Aerospace Industries Association

NASM1312 Fasteners, Test Methods

Copies can be obtained from the Aerospace Industries Association, 1000 Wilson Blvd., Suite 1700, Arlington, VA 22209. www.aia-aerospace.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 specification sheets), 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 requirements of this specification and the specification sheet, the latter shall govern (see 6.2).
- 3.2 Material. Recycled and reclaimed materials shall be used to the maximum extent practicable.

REVISION

1

NASM45595

SHEET 2

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