

FED. SUPPLY CLASS

5340

1. SCOPE

1.1 Scope. This specification covers one-hole and two-hole metal retaining straps for conduit, pipe, and cable.

1.2 Classification

1.2.1 Types and Styles. Retaining straps shall be of the following types and styles, as specified (see 6.2):

Type I – One-hole strap
Style A – Malleable iron or steel
Style B – Cold rolled or forged steel

Type II – Two-hole strap
Style A – Steel

Type III – Two-hole strap
Style A – Steel
Style B – Aluminum

1.2.2 Sizes. Unless otherwise specified (6.2), retaining straps shall be furnished in the sizes in accordance with Tables I to IV, inclusive.

2. REFERENCED DOCUMENTS

2.1 The following specifications and standards, of the issues in effect on date of invitation for bids, form a part of this specification to the extent specified herein:

Federal Specifications

QQ-A-250/5 Aluminum Alloy Alclad 2024, Plate and Sheet
QQ-I-666 Iron Castings, Malleable
QQ-S-698 Steel, Sheet and Strip, Low-Carbon
PPP-B-566 Boxes, Folding, Paperboard
~~PPP-B-601 Boxes, Wood, Cleated Plywood~~
~~PPP-B-621 Boxes, Wood, Nailed and Lock Corner~~
PPP-B-636 Box, Fiberboard
PPP-B-665 Boxes, Paperboard, Metal Stayed (Including Stay Material)
PPP-B-676 Boxes, Set-up, Paperboard

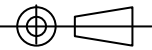
Federal Standards

FED-STD-123 Marking for Domestic Shipment (Civilian Agencies)

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

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THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES FF-S-760A, AMENDMENT 2. PART NUMBERS REMAIN FF-S-760.

THIRD ANGLE PROJECTION 	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NONE	TITLE STRAP, RETAINING, METAL FOR CONDUIT, PIPE, AND CABLE ①	CLASSIFICATION SPECIFICATION NAS760 SHEET 1 OF 9

Military Specification

~~MIL-S-13048~~ Steel, Forging, For General Purpose Use
MIL-S-46172 Steel Forgings

Military Standards

MIL-STD-129 Marking for Shipment and Storage

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

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

ASTM International

ASTM B244 Standard Test Method for Measurement of Thickness of Anodic Coatings on Aluminum and
of Other Nonconductive Coatings on Nonmagnetic Basis Metals with Eddy-Current
Instruments
ASTM B633 Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel
ASTM D6251/D6251M Standard Specification for Wood-Cleated Panelboard Shipping Boxes
ASTM D6880 Standard Specification for Wood Boxes

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

SAE International

AMS-QQ-A-250/5 Aluminum Alloy Alclad 2024, Plate and Sheet (UNS A82024)
AMS-QQ-P-416 Plating, Cadmium (Electrodeposited)

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

3. REQUIREMENTS

3.1 Materials

3.1.1 Type I

3.1.1.1 Style A. Straps shall be of malleable iron conforming to QQ-I-666, Grade IG, or shall be of forged steel in
accordance with ~~MIL-S-13048~~ MIL-S-46172.

3.1.1.2 Style B. Straps shall be of steel conforming to QQ-S-698, cold rolled, No. 2 or No. 3 tempers, or shall be of forged
steel in accordance with ~~MIL-S-13048~~ MIL-S-46172.

3.1.2 Type II, Style A. Straps shall be of steel conforming to QQ-S-698, cold rolled, No. 2, 3, 4, or 5 temper.

3.1.3 Type III

3.1.3.1 Style A. Straps shall be of steel conforming to QQ-S-698, cold rolled, No. 2, 3, 4, or 5 temper.

3.1.3.2 Style B. Straps shall be of aluminum alloy conforming to ~~QQ-A-250/5~~ AMS-QQ-A-250/5.

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3.2 Design

3.2.1 Type I

3.2.1.1 Style A. Straps shall be similar to Figure 1 and shall conform to Table I.

3.2.1.2 Style B. Straps shall be similar to Figure 2 and shall conform to Table II.

3.2.2 Type II, Style A. Straps shall be similar to Figure 3 and shall conform to Table III.

3.2.3 Type III, Style A. Straps shall be similar to Figure 4 and shall conform to Table IV.

3.3 Protective finish

3.3.1 Types I and II. All styles of these types shall be cadmium plated in conformance with AMS-QQ-P-416, Type II, Class 1, or zinc coated in accordance with ASTM B633, Type II, SC 3 (4.4.1 and 4.4.2).

3.3.2 Type III

3.3.2.1 Style A. Straps shall be cadmium plated in accordance with AMS-QQ-P-416, Type II, Class 3 (4.4.2).

3.3.2.2 Style B. Straps shall be anodized, non-dyed or chemically treated.

3.4 Workmanship. Straps shall have no pits, rust, loose scale, chips, splits, cracks, burrs or other defects that affect serviceability.

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