

WW-P-471C  
 AMENDMENT 1  
6 March 1987

# FEDERAL SPECIFICATION

PIPE-FITTINGS: BUSHINGS, LOCKNUTS, AND PLUGS;  
 IRON, STEEL, AND ALUMINUM: (THREADED); 125-150 POUNDS

This amendment forms a part of Federal Specification WW-P-471C, dated December 29, 1981, is approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal Agencies.

## Page 2

Paragraph 1.2.1 - Under Material B

DELETE: Finish C - Zinc plated

ADD: Finish C - Electrodeposited Zinc  
 Finish D - Electrodeposited Cadmium

Paragraph 1.2.2

DELETE: In its entirety.

ADD: 1.2.2 Definitive part number (DPN). Plugs, bushings, and locknuts covered by this specification shall be identified by a DPN. This part number is intended for cataloging and ordering purpose only. The DPN shall consist of the Federal Specification symbol plus the specification part number (see 1.2.1). The DPN shall be written as follows (see 6.2):

DPN	WW P 471	X	XX	XX	XX
Type	_____				
Class	_____				
Style	_____				
Material	_____				
Finish	_____				
Size	_____				

NOTE: Use Q where class and style is not applicable.

AMSC N/A

FSC 4730

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## Paragraph 2.3

- DELETE:     ASTM A153   - Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware  
              ASTM A216   - Specification for Steel Castings, Carbon, Suitable for Fusion Welding, for High-Temperature Service
- ADD:         ASTM B633   - Specification for Electrodeposited Coatings of Zinc on Iron and Steel  
              ASTM B766   - Specification for Electrodeposited Coatings of Cadmium

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## Paragraph 3.1.1

- DELETE:     In its entirety.
- ADD:         3.1.1 Iron and steel. Iron and steel shall conform to ANSI B16.14.

## Paragraph 3.5.1

- DELETE:     In its entirety.
- ADD:         3.5.1 Ferrous pipe fittings. When specified (see 6.2), iron or steel fittings shall be either zinc coated in accordance with ASTM B633 or cadmium coated in accordance with ASTM B766. Coating shall be applied prior to all threading.

## Paragraph 3.5.2

- DELETE:     In its entirety.
- ADD:         3.5.2 Aluminum pipe fittings. When specified (see 6.2), aluminum fittings shall be anodized in accordance with ASTM B580.

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## Paragraph 4.4.2

- DELETE:     (ANSI B16.14 material)  
              (ASTM A216 material)

Preparing Activity:  
Navy - YD

(Project 4730-0947)