Downloaded from http://www.everyspec.com

FF-S-107C
AMENDMENT-2
September 1, 1970
SUPERSEDING
Amendment-1
October 27, 1969

FEDERAL SPECIFICATION

SCREWS, TAPPING AND DRIVE

This amendment, which forms a part of Federal Specification FF-S-107C, dated May 27, 1969, was approved by the Commissioner, Federal Supply Service, General Services Administration for the use of all Federal agencies.

PAGE 1

Paragraph 1.1 - Delete in its entirety and substitute the following:

1.1 Scope. This specification covers the requirements for thread cutting, thread forming and thread rolling tapping screws, and metallic drive screws.

Paragraph 1.2.1 - Add the following:

Type A - Thread forming, gimlet point.
Type SF - Thread rolling, high performance, blunt point.
Type SW - Thread rolling, high performance, blunt point.
Type TT - Thread rolling, high performance, blunt point.

Paragraph 1.2.1 - Change the word "forming" to "cutting" for types D through BT.

PAGE 2

Paragraph 1.2.2, line 2 - Change the word "ot" to "of".

PAGE 3

Paragraph 2.2 - Change the name and address of the institute to read as follows:

American National Standards Institute Inc. (ANSI):

(Application for copies should be addressed to the American National Standards Institute Inc., 1430 Broadway, New York, New York 10018.)

FSC 5305

Downloaded from http://www.everyspec.com

Paragraph 2.2 - Add the following:

Industrial Fasteners Institute (IFI) Standard:

IFI-112 - High Performance Thread Rolling Screws.

(Application for copies should be addressed to the Industrial Fasteners Institute, 1505 East Ohio Building, 1717 East 9th Street, Cleveland, Ohio 44114.)

PAGE 4

Paragraph 3.2 - Delete in its entirety and substitute the following:

3.2 Dimensions and tolerances. Dimensions and tolerances shall be in accordance with ANSI B18.6.4-1966, except for types SF, SW and TT which shall be in accordance with IFI-112.

Paragraph 3.5.1 - Delete in its entirety and substitute the following:

3.5.1 Carbon steel tapping screws. Carbon steel tapping screws shall be capable of meeting the drive requirements (all types except BF, BT, SF, SW and TT) and the torsional strength requirements (all types except SF, SW and TT) specified below. Types SF, SW and TT carbon steel tapping screws shall be capable of meeting the mechanical and performance requirements specified in IFI-112.

PAGE 7

Paragraph 4.4.1 - Add the following:

(All types except SF, SW and TT.)

PAGE 8

Add the following new paragraph:

4.4.4 Mechanical and performance. (Types SF, SW and TT.) Each tapping screw taken as specified in 4.2.2.2 shall be subjected to mechanical and performance tests to determine conformance to 3.5.1. The tests shall be conducted in accordance with IFI-112.

Add the following new paragraph:

6.1.4 Thread rolling screws. Thread rolling tapping screws are intended for use where performance capabilities beyond those normally expected of other types of tapping screws are required.

Downloaded from http://www.everyspec.com

Paragraph 6.2, line 1 - Change the word "Odering" to "Ordering".

Military Custodians:
Army - WC
Navy - None
Air Force - 82

Preparing activity:
Army - WC