

INCH-POUND

MIL-B-45912A
AMENDMENT 1
24 May 1991

MILITARY SPECIFICATION

BOLT, SELF-LOCKING, HEXAGON HEAD, STEEL

This amendment forms a part of MIL-B-45912A, dated 8 August 1969, and is approved for use by all Departments and Agencies of the Department of Defense.

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2.1, Federal: Add the following:

"PPP-H-1581 - Hardware (Fasteners and Related Items), Packaging of"

2.1, Military: Delete "MIL-H-3982" entry in its entirety.

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2.1 Under "STANDARDS": Add the following:

"FEDERAL

FED-STD-H28/2 - Screw-Thread Standards for Federal Services, Section 2, Unified Inch Screw Threads-UN and UNR Thread Forms

FED-STD-H28/20 - Screw-Thread Standards for Federal Services, Section 20 Inspection Methods for Acceptability of UN, UNR, UNJ, M and MJ Screw-Threads."

2.2, Delete "National Bureau of Standards Handbook" entry and address in its entirety.

2.2, Delete "Society of Automotive Engineers, Inc" address and substitute as follows.

"(Application for copies should be addressed to SAE International, 400 Commonwealth Drive, Warrendale, PA. 15096-0001.)"

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3.3.1, Delete and substitute as follows:

"3.3.1 Hydrogen embrittlement. Cadmium plated, Grade 8 bolts specified herein shall be subjected to QQ-P-416 embrittlement relief requirements as follows:

<u>Time between plating and baking</u>	<u>Temperature for baking</u>	<u>Time for baking</u>
Shall not exceed 4 hours	375°F ± 25°F	23 hours minimum

In addition, the bolts shall be subjected to the embrittlement relief test of QQ-P-416."

3.5 Line 3: Delete and substitute: "with FED-STD-H28/2. Acceptability of threads shall be in accordance with FED-STD-H28/20, system 22."

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4.3.1, Delete and substitute:

4.3.1 Inspection of packaging. The sampling and inspection of the preservation, packing, and container marking shall be in accordance with the requirements of PP-H-1581."

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5., Delete and substitute as follows:

"5 PACKAGING

5.1 Packaging requirements. The requirements for packaging shall be in accordance with PPP-H-1581 (see 6.2e)."

6.2e., Delete and substitute as follows:

"e. Level (degree) of protection, in accordance with PPP-H-1581, ordering data (see 5.1)."

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Add the following paragraph:

"6.5 Keyword listing.

Grade 5

Grade 8

Hex Grade 5

Hex Grade 8

SAE Grade 5

SAE Grade 8"

Custodians:

Army - AR

Air Force - 99

Review activities:

Army - MI

Air Force - 82

DLA - IS

User activities:

Army - AT, GL, ME

Navy - AS, MC, OS, SH, YD

Preparing activity:

Army - AR

(Project 5306-1532)