



AEROSPACE INFORMATION REPORT

AIR3260™**REV. A**

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Superseding AIR3260

Identification of Standard Utility Parts – Bolts and Nuts

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature.

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1. SCOPE:

- 1.1 This information report presents recommendations on part number marking which provides for the maximum identification on bolts and nuts while ensuring adequate readability.

2. APPLICABLE DOCUMENTS:

The following publications form a part of this information report to the extent specification herein. The latest issue of Aerospace Material Specification (AMS) and Aerospace Standards (AS) shall apply. The applicable issue of other documents shall be as specified in AMS 2350.

2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096.

2.1.1 Aerospace Material Specifications:

AMS 2350 Standards and Test Methods

2.1.2 Aerospace Standards:

AS 1132 Bolts and Screws - External Wrenching Unified Thread Inch Series - Design Parameters For

MA 1518 Bolts, Screws and Nuts - External Wrenching Metric Threads - Design Parameters For

2.2 U.S. Government Publications:

Available from Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120.

2.2.1 Military Standards:

MIL-STD-1291 Identification Symbols for Aerospace Fastener Manufacturers

2.3 SBAC Publications:

Available from The Society of British Aerospace Companies Ltd., 29 King Street, St. James's, London SW1 6RY.

2.3.1 SBAC Industry Standards:

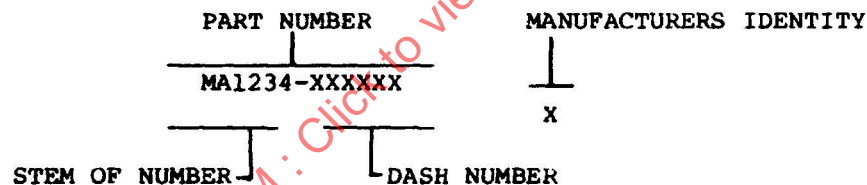
RS732 Manufacturers Identification Monogram for Aerospace Fasteners

3. PART MARKING:

3.1 In the interests of safety, inspection, correct replacement of parts, and for general identification purposes, the part markings listed in 3.4 and 3.5 have been selected to enable the marking of bolts and nuts with the most important information whenever part size prevents complete part number identification.

3.2 Definition of terms in part number:

For the purposes of this report, the portions of the part number are defined below.

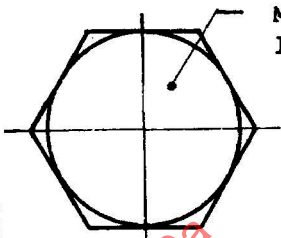
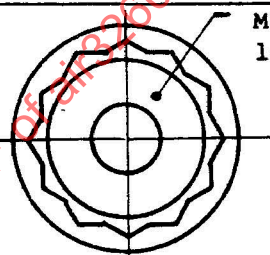


3.3 The manufacturers identification monogram or symbol must be separated from the part number by at least 3 character widths. Refer to MIL-STD-1291 and SBAC RS732 for monograms and symbols.

3.4 Marking of Bolts:

The identification markings shown in Table I are recommended for the bolt styles listed below and are based on fasteners meeting the dimensional requirements of AS 1132 for 'inch' fasteners or MA 1518 for 'metric' fasteners as applicable.

TABLE I

BOLT HEAD CONFIGURATION	THREAD SIZE RANGE	MARKING	TYPICAL EXAMPLES SHOWING POSITION OF MARKING
Hexagon	.138) inch .164) inch 3) mm 4) mm	Stem of part number plus manufacturers identity	
	≥.190 inch ≥ 5 mm	Part number plus manufacturers identity	
Double hexagon and Spline	.138) inch .164) inch 4) mm 5) mm	Stem of part number plus manufacturers identity	
	≥.190 inch ≥ 6 mm	Part number plus manufacturers identity	

3.5 Marking of Nuts:

The identification markings shown in Table II are recommended for the nut styles listed below and are, where applicable, based on fasteners meeting the dimensional requirements of MA 1518 for metric fasteners.