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AEROSPACE MATERIAL SPECIFICATION

Submitted for recognition as an American National Standard



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Superseding AMS 2373A

Quality Assurance Sampling of Bolts and Screws

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1. APPLICATION:

To provide users of Aerospace Material Specifications (AMS), Aerospace Material Documents (AMD), and other specifications in which this specification is referenced, quality assurance procedures which may be used to determine conformance to applicable specification requirements of bolts and screws.

1.1 In the event of a conflict between the requirements specified herein and the requirements of a particular specification for bolts and screws, the following rules shall apply

1.1.1 When the requirements of the parts specification are more stringent, they shall take precedence.

1.1.2 When the requirements of this AMS are more stringent, they shall take precedence.

1.1.3 If any tests mentioned in Table 1 are not required by the parts specification, they shall not be considered a requirement.

1.1.4 When instructions are issued by the purchaser regarding quality assurance sampling procedures, such instructions shall take precedence over the requirements of either this specification or the particular specification in which this specification is invoked.

2. RESPONSIBILITY FOR TESTS:

The vendor shall supply all samples and shall be responsible for accomplishing the required tests (See Note 1). Results of tests shall be reported to the purchaser as required by the applicable material specification.

3. TESTING:

Test methods shall be in accordance with the applicable requirements of MIL-STD-1312 and as otherwise specified in the applicable parts specification or the drawing. If a test method is not specified, the method of test shall be as agreed upon by purchaser and vendor.

4. REQUIREMENTS:

4.1 Inspection Lot:

An inspection lot shall be as defined in 4.1.1 or 4.1.2, the applicable definition being as specified in Table 1 for the type of test and the product being tested.

4.1.1 An inspection lot shall consist of all material identifiable to a single heat or melt. When the material is produced by the consumable electrode remelt method, the lot shall consist of all material produced from consumable electrode remelted ingots originally melted in a single furnace charge.

4.1.2 An inspection lot shall consist of all parts of the same nominal dimensions except length, produced from the same size stock of the same composition from a single heat, heat-treated as a batch or sequentially heat treated in a continuous furnace in not more than 8 consecutive hours.

4.2 Location of Sample:

4.2.1 The test sample shall consist of randomly selected pieces of the product.

4.2.2 The test sample shall consist of parts randomly selected from each inspection lot.

4.3 Number of Samples:

Unless otherwise specified, sampling shall be in accordance with Table 1; the numerals under "Number of Samples" represent the minimum number of samples to be tested to represent the inspection lot.

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