



FED SUP CLASS
5120

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1. SCOPE AND CLASSIFICATION

- 5 1.1 This specification defines the requirements for hand and power drivers for installing and removing screws and bolts having a TRI-SLOT Recess per NAS4000. Any lot which does not conform to the requirements specified herein may be rejected by the procuring agency.
- 1.2 Recommendations for improvements or corrections of this specification should be directed to a NASC representative of a using aerospace company.
- 1.3 Specifications listed herein, of the issue in effect on date of price inquiry, are a part of this specification to the extent specified herein. In case of conflict, this specification shall take precedence.
- 1.4 Drivers covered by this specification shall conform to NAS4005.

2. APPLICABLE DOCUMENTS AND CONTENTS

- 5 2.1 ASTM STANDARDS
ASTM A681 Tool Steel, Alloy
- 5 2.2 FEDERAL SPECIFICATIONS
PPP-P-40 Hand Tools, Packaging of
- 2.3 MILITARY STANDARDS
MIL-STD-105 Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-129 Marking for Shipment and Storage
- 2.4 NATIONAL AEROSPACE STANDARDS
5 NAS4000 Recess, TRI-SLOT, Dimensions of Recess and Gages
NAS4005 Bit, Screwdriver, TRI-SLOT Recess

INACTIVE FOR NEW DESIGN
AFTER JANUARY 1, 1986
NO SUPERSEDING STANDARD

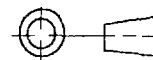
LIST OF CURRENT SHEETS

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CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE

THIRD
ANGLE
PROJECTION



PROCUREMENT
SPECIFICATION

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TITLE

BIT, SCREWDRIVER, TRI-SLOT, SPECIFICATION FOR

CLASSIFICATION
SPECIFICATION

NAS4001

SHEET 1 OF 6

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AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1250 EYE STREET, N.W.
WASHINGTON, D.C. 20005

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND
SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST DATE OF APPROVAL SHOWN
HEREON.

3. REQUIREMENTS

- 3.1 **Material.** Materials used in manufacturing the drivers shall be rolled, drawn, or forged steel with chemical compositions, strength, and impact resistance equal to or exceeding ASTM A681, Type S-2 steel. (3)
- 3.2 **Hardness.** The drivers shall be hardened throughout to Rockwell C-56 to C-60 for Sizes 0 through 8 and Rockwell C-52 to C-58 for Sizes 9 through 15. Hardness tests shall be performed in accordance with 4.5.4.
- 3.3 **Finish.** Finish shall be in accordance with good commercial practice with no presence of burrs or cracks. Surfaces shall be sufficiently smooth to adequately determine all dimensions as specified herein and in NAS4005.
- 3.4 **Coating.** A rust preventative coating adequate for interim storage shall be applied.
- 3.5 **Identification of Product.** Drivers shall be identified in accordance with NAS4005.
- 3.6 **Dimensions.** Drivers shall conform to the dimensions of NAS4005. Driver tip dimensions shall be inspected in accordance with paragraph 4.5.1.
- 3.7 **Performance.** The drivers, when tested as specified in 4.5.2, shall conform to 50 percent of the torque load requirements of Table I, for the specified driver size.
- 3.7.1 **Toughness.** The drivers shall be subjected to a toughness test to determine whether or not the material is able to absorb energy up to its rupture point. The test shall be conducted as specified in 4.5.3.

4. QUALITY ASSURANCE PROVISIONS

- 4.1 **Responsibility for Inspection.** Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified, the supplier may utilize his own facilities or any commercial laboratory acceptable to the procuring agency. The procuring agency reserves the right to perform any of the inspections set forth in this specification where such inspections are deemed necessary to assure that the supplies and services conform to the prescribed requirements.
- 4.2 **Classification of Tests.** The inspection and testing of the drivers shall be classified as acceptance tests.
- 4.3 **Test Conditions.** The test conditions are described under the individual tests to which they apply.

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NAS4001

Documents

SHEET 2

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