

**DEFENSE SUPPLY CENTER PHILADELPHIA
CRITICAL ITEM PROCUREMENT REQUIREMENTS DOCUMENT**

DOCUMENT NUMBER

MS21297-10044

TITLE

**BOLT, TENSION, STEEL, 220KSI FTU, 450°F, EXTERNAL WRENCHING,
SPLINE DRIVE, FLANGED HEAD**

**APPLICABLE TO: NSN: 5306-01-058-0735
 PART NUMBER: MS21297-10044
COMMERCIAL AND GOVERNMENT ENTITY: 14153**

FLIGHT SAFETY CRITICAL PART

PREPARED BY: E. Maisano Defense Supply Center Philadelphia CODE: IT DATE: 6/11/01

APPROVED BY: Bart Wood Hill AFB CODE: OO-ALC/LILE DATE: 6/20/01

REVISIONS

SYM	DESCRIPTION	DATE	APPROVED

CRITICAL ITEM PROCURMENT REQUIREMENTS DOCUMENT (CIPRD)
MS21297-10044

TITLE: BOLT, TENSION, STEEL, 220 KSI FTU, 450°F, EXTERNAL WRENCHING, SPLINE DRIVE, FLANGED HEAD

NSN - 5306-01-058-0735

PART NUMBER – MS21297-10044

1. SCOPE:

This Critical Item Procurement Requirements Document (CIPRD) covers the technical requirements of the item specified in the solicitation or contract. The documents listed in paragraph 2, with current revisions are part of this package to the extent specified herein. All Military, Federal and commercial/industry specifications and standards appearing hereon or on referenced documents, are part of this procurement package to the extent specified and shall be the issue in effect on the date of the solicitation unless otherwise specified. Bolts furnished in accordance with this Critical Item Procurement Requirements Document (CIPRD) shall be products authorized by the qualifying activity.

2. REFERENCE DOCUMENTS:

NASM 21297 – BOLT, TENSION, STEEL, 220 KSI FTU, 450°F, EXTERNAL WRENCHING, SPLINE DRIVE, FLANGED HEAD

NASM 8906 – BOLT, ALLOY STEEL, SHEAR AND TENSILE (132 KSI MIN F_{su} AND 220 KSI MIN F_{tu}) 450°F, SPLINE DRIVE, GENERAL SPECIFICATION FOR

3. REQUIREMENTS:

- (1) All requirements of NASM 21297 and NASM 8906 apply except as noted herein.
- (2) External threads will be inspected for dimensional conformance in accordance with System 23 of FED-STD-H28/20.
- (3) All parts will be subject to 100% non-destructive testing in accordance with ASTM E1444. Any part found to have an indication of cracks shall be rejected.
- (4) For the purpose of determining conformance, the observed or calculated plating thickness shall be rounded to the nearest 0.0001 inch in accordance with ASTM E-29.
- (5) Only the manufacturer's identification logo listed in MIL-HDBK-57 shall be applied directly to the surface of the part. Do not apply on bearing surfaces. The logo shall be listed with the Defense Supply Center Philadelphia, DSCP-ILEA.
- (6) The thread of each bolt will be protected with a sleeve.
- (7) All specifications, standards, quality assurance provisions and/or drawings referenced in this CIPRD shall be of the latest revision at the time of contract award.

4. QUALITY ASSURANCE PROVISIONS:

- QAP EQ001 - This Quality Assurance Provision will apply when sampling plans are not specified.**
- QAP EQ003 - This Quality Assurance Provision establishes requirements for contractors' inspection systems.**
- QAP 1075 - This Quality Assurance Provision establishes requirements for Product Verification Testing, Certificate of Quality Conformance and Measuring and Test Equipment.**

5. PACKAGING:

- (1) In addition to the labeling information specified in the contract or purchase order, each container, including the outside pack, the internal package and/or the individual unit pack, will display a label, on each side of the package, containing the following information:

FLIGHT SAFETY CRITICAL

- (2) The words “FLIGHT SAFETY CRITICAL” will be imprinted on each thread protection sleeve.

6. QUALIFIED SOURCES:

**P. B. Fasteners
Divison of Paul R. Briles Inc.
1700 W. 132nd St., P.O. Box 1157
Gardena, CA 90249**

**Air Industries Corporation
12570 Knott Street
Garden Grove, CA 92841**

**SPS Technologies
301 Highland Ave.
Jenkintown, PA 19046**

7. QUALIFICATION PROCEDURES:

- (1) Companies wishing to qualify their product for listing in this CIPRD shall submit their request to:

**Defense Supply Center Philadelphia
Office of Engineering and Technical Support
Attn: DSCP-IT
700 Robbins Ave nue
Philadelphia, PA 19111**

- (2) Qualification shall consist of the tests, inspections and examinations specified in NASM 8906.
- (3) Air Force source approval requirements must be satisfied.