

SAE-AS3067

## ADOPTION NOTICE

SAE-AS3067, "Nut, Self-Locking, Double Hexagon, Reduced Envelope, AMS 7251", was adopted on 29-SEP-95 for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Commander, Defense Industrial Supply Center, 700 Robbins Avenue, Philadelphia, PA 19111-5096. DoD activities may obtain copies of this standard from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094. The private sector and other Government agencies may purchase copies from the Society of Automotive Engineers Inc., 400 Commonwealth Drive, Warrendale, PA 15096-0001.

**Custodians:**

Army - AR  
Navy - YD1  
Air Force - 99  
DLA - IS

**Adopting Activities:**

DLA - IS  
(Project 5310-2130)

FSC 5310

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SHEET 1 OF 2

FED. S  
 53

WRENCHING CONFIGURATION PER AS 870 FOR THIS DISTANCE, PRIOR TO DEFORMATION

A NOM  
 X  
 X  
 C MAX  
 J Z  
 J Z

AFTER DEFORMATION  
 RAD .010 (0.26) MIN  
 $\phi M$  MAX  
 MARK AS3067 PER AS 478 CLASS C  
 UPPER THREADED PORTION DEFORMED FOR LOCKING FEATURE. DEFORMATION MARKS PERMISSIBLE.  
 28° MIN  
 S  
 D  
 F  
 B MIN  
 63(1.6 $\mu$ m)

BEFORE DEFORMATION  
 90° ± 5°  
 THREAD T MIL-S-8879  
 -J-  
 VIEW W  
 $\phi L$   
 $\phi G$   
 90° ± 5°  
 SECTION X-X

P MAX  
 RAD N  
 $\phi E$  MIN BRG SURFACE  
 VIEW W

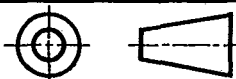
the full PDF of AS3067

1. MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS 5737, SEE NOTE 2.
2. HARDNESS AFTER FORMING: SEE TABULATION.
3. FINISH: SILVER PLATE PER AMS 2411. DIMENSIONS ARE AFTER PLATING.
4. PERFORMANCE SPECIFICATION: AMS 7251.
5. FLUORESCENT PENETRANT INSPECTION BEFORE PLATING PER AMS 2645 AND AS 3071.
6. SURFACE TEXTURE: ANSI B46.1-1962. UNLESS OTHERWISE SPECIFIED TO BE 125 MICRINCHES (3.2 MICROMETRES) AA.
7. BREAK SHARP EDGES .003-.015 (0.08-0.38) UNLESS OTHERWISE SPECIFIED.
8. DIMENSIONS ARE IN INCHES (MILLIMETRES). METRIC CONVERSIONS ARE INTERNATIONAL SYSTEM UNITS (SI).
9. DIMENSIONING AND TOLERANCING: ANSI Y14.5-1973.
10. DO NOT USE UNASSIGNED AEROSPACE STANDARD IDENTIFICATION NUMBERS.

SOURCE OF SUPPLY:  
AMERACE ESNA CORPORATION  
ELASTIC STOP NUT DIVISION  
UNION, NEW JERSEY, 07083  
FEDERAL SUPPLY CODE FOR MANUFACTURER'S NO. 72962  
DRAWING NO. LH11973

ONLY THE ITEM DESCRIBED ON THIS DRAWING WHEN PROCURED FROM THE VENDOR LISTED HEREON IS APPROVED FOR USE IN THE APPLICATIONS SPECIFYING THIS AEROSPACE STANDARD IDENTIFICATION NUMBER. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR TESTING AND APPROVAL BY THE DESIGN ACTIVITY RESPONSIBLE FOR THE APPLICATION.

### THIRD ANGLE PROJECTION



PROBLEM HARD COPY

Prepared By SAE COMMITTEE E-25, Engine &amp; Propeller Standard Utility Parts

## SOURCE CONTROL DRAWING

**Society of Automotive Engineers, Inc.**  
400 COMMONWEALTH DRIVE, WARRENDALE, PA 15096

## AEROSPACE STANDARD IDENTIFICATION

**NUT, SELF-LOCKING, DOUBLE HEXAGON. REDUCED ENVELOPE, AMS 7251**  
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AS 3067

**SHEET 1 OF 2**