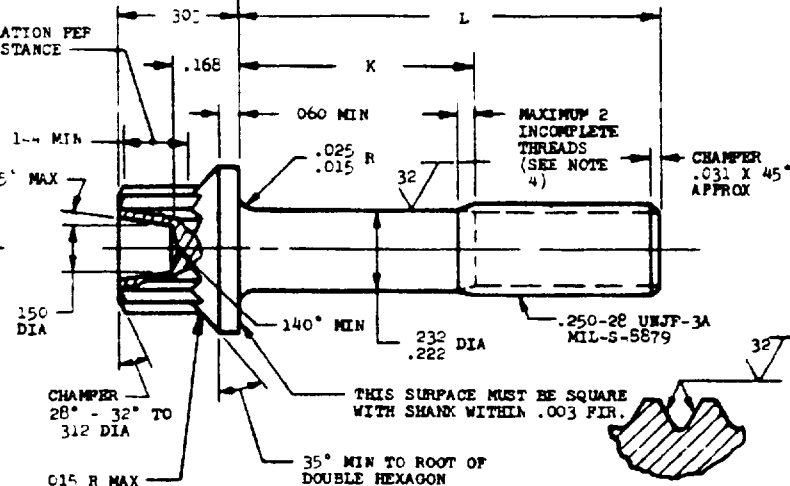
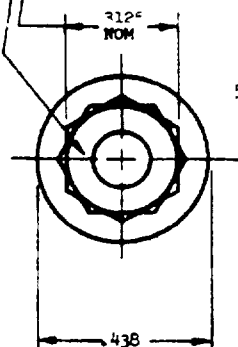


**MS9751 (ASG)**

MARK PART NO. AND MANUFACTURER'S IDENTIFICATION PER AS 476 CLASS A

PED SUP CLASS  
5306

WRENCHING CONFIGURATION PEP AS 570 FOR THIS DISTANCE

SECTION THRU  
THREAD PROFILE

| PART NO.  | L     | K         | APPROX WEIGHT LB/100 | PART NO.  | L     | K           | APPROX WEIGHT LB/100 | PART NO.  | L     | K           | APPROX WEIGHT LB/100 |
|-----------|-------|-----------|----------------------|-----------|-------|-------------|----------------------|-----------|-------|-------------|----------------------|
| MS9751-04 | 375   | .079-.099 | 73                   | MS9751-25 | 1.658 | .578-.938   | 1.57                 | MS9751-46 | 4.125 | 3.315-3.375 | 3.13                 |
| MS9751-05 | 438   | .079-.099 | 77                   | MS9751-26 | 1.750 | .940-1.000  | 1.61                 | MS9751-47 | 4.250 | 3.440-3.500 | 3.21                 |
| MS9751-06 | 500   | .079-.099 | 81                   | MS9751-27 | 1.512 | 1.002-1.062 | 1.65                 | MS9751-48 | 4.375 | 3.565-3.625 | 3.29                 |
| MS9751-07 | 562   | .079-.099 | 85                   | MS9751-28 | 1.575 | 1.061-1.121 | 1.69                 | MS9751-49 | 4.500 | 3.690-3.750 | 3.37                 |
| MS9751-08 | 625   | .079-.099 | 89                   | MS9751-29 | 2.000 | 1.190-1.250 | 1.77                 | MS9751-50 | 4.625 | 3.815-3.875 | 3.45                 |
| MS9751-09 | 688   | .079-.099 | 93                   | MS9751-30 | 2.125 | 1.315-1.375 | 1.85                 | MS9751-51 | 4.750 | 3.940-4.000 | 3.53                 |
| MS9751-10 | .750  | .079-.099 | .97                  | MS9751-31 | 2.250 | 1.440-1.500 | 1.93                 | MS9751-52 | 4.875 | 4.065-4.125 | 3.61                 |
| MS9751-11 | .812  | .079-.099 | 1.01                 | MS9751-32 | 2.375 | 1.565-1.625 | 2.01                 | MS9751-53 | 5.000 | 4.190-4.250 | 3.69                 |
| MS9751-12 | .875  | .079-.125 | 1.05                 | MS9751-33 | 2.500 | 1.690-1.750 | 2.09                 | MS9751-54 | 5.125 | 4.315-4.375 | 3.78                 |
| MS9751-13 | 938   | .128-.188 | 1.09                 | MS9751-34 | 2.625 | 1.815-1.875 | 2.17                 | MS9751-55 | 5.250 | 4.440-4.500 | 3.86                 |
| MS9751-14 | 1.000 | .190-.250 | 1.13                 | MS9751-35 | 2.750 | 1.940-2.000 | 2.25                 | MS9751-56 | 5.375 | 4.565-4.625 | 3.94                 |
| MS9751-15 | 1.062 | .252-.312 | 1.17                 | MS9751-36 | 2.875 | 2.065-2.125 | 2.33                 | MS9751-57 | 5.500 | 4.690-4.750 | 4.02                 |
| MS9751-16 | 1.125 | .315-.375 | 1.21                 | MS9751-37 | 3.000 | 2.190-2.250 | 2.41                 | MS9751-58 | 5.625 | 4.815-4.875 | 4.10                 |
| MS9751-17 | 1.188 | .378-.438 | 1.25                 | MS9751-38 | 3.125 | 2.315-2.375 | 2.49                 | MS9751-59 | 5.750 | 4.940-5.000 | 4.18                 |
| MS9751-18 | 1.250 | .440-.500 | 1.29                 | MS9751-39 | 3.250 | 2.440-2.500 | 2.57                 | MS9751-60 | 5.875 | 5.065-5.125 | 4.26                 |
| MS9751-19 | 1.312 | .502-.562 | 1.33                 | MS9751-40 | 3.375 | 2.565-2.625 | 2.65                 | MS9751-61 | 6.000 | 5.190-5.250 | 4.34                 |
| MS9751-20 | 1.375 | .565-.625 | 1.37                 | MS9751-41 | 3.500 | 2.690-2.750 | 2.73                 |           |       |             |                      |
| MS9751-21 | 1.438 | .628-.688 | 1.41                 | MS9751-42 | 3.625 | 2.815-2.875 | 2.81                 |           |       |             |                      |
| MS9751-22 | 1.500 | .690-.750 | 1.45                 | MS9751-43 | 3.750 | 2.940-3.000 | 2.89                 |           |       |             |                      |
| MS9751-23 | 1.562 | .752-.812 | 1.49                 | MS9751-44 | 3.875 | 3.065-3.125 | 2.97                 |           |       |             |                      |
| MS9751-24 | 1.625 | .815-.875 | 1.53                 | MS9751-45 | 4.000 | 3.190-3.250 | 3.05                 |           |       |             |                      |

1. SHANK SHALL BE STRAIGHT WITHIN .003 PER INCH OF BOLT LENGTH
2. THE RUNOUT OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .004 FIR
3. THE RUNOUT OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON CD SHALL BE WITHIN .007 FIR
4. INCOMPLETE THREADS NOT TO ENTER FILLET
5. MATERIAL TITANIUM AMS 4967
6. HARDNESS ROCKWELL C36-42.
7. MANUFACTURING SPECIFICATION AMS 7461, EXCEPT MATERIAL AS NOTED
8. FLUORESCENT PENETRANT INSPECTION PER AMS 2645
9. SURFACE TEXTURE USAS B46 1-1962 UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD.
10. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED
11. DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED, TOLERANCES LINEAR DIMENSIONS ± 0.0, ANGULAR DIMENSIONS ± 5°
12. DO NOT USE UNASSIGNED PART NUMBERS

AS & AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS.  
THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIV

|                                    |   |  |
|------------------------------------|---|--|
| SAE - 1.1<br>Other Com<br>Navy - A | TITLE<br>BOLT, MACHINE - DOUBLE HEXAGON EXTENDED<br>WASHER HEAD, PD SHANK, TITANIUM AMS 4967,<br>250-28 UNJF-3A | MILITARY STANDARD<br><b>MS9751</b> (ASG) |
| PROCUREMENT SPECIFICATION          | SUPERSEDES  | SHEET 1 OF 1                             |

DD FORM 872-1 (Limited circulation)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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Review activities: MAP-88, 85

This military standard is approved by the Department of the Air Force and the Naval Air Systems Command and is mandatory for use by these activities. All other military activities are required to employ this standard where suitable.

REVISED  
APPROVED: MAR 49