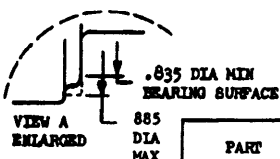
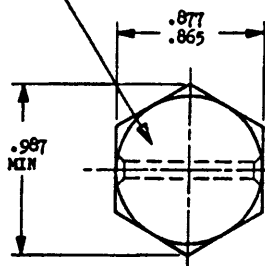


FED. SUP CLASS
5306**MS9506**MARK PART NUMBER AND MANUFACTURERS
IDENTIFICATION PER AS 478 CLASS A.070 DIAMETER
CSK 90° TO .100
DIA BOTH ENDS

CHAMFER 30° TO .075 DIAMETER

THIS SURFACE MUST BE SQUARE
WITH SHANK WITHIN .003 FIR.562
.558 DIA
.5625-18 UNJF-3A
NIL-8-8879CHAMFER .062 X 45°
APPROX

SECTION THROUGH THREAD PROFILE

| PART NUMBER | L | K | APPROX WEIGHT LB/100 | PART NUMBER | L | K | APPROX WEIGHT LB/100 |
|----------------|-------|-------------|----------------------------|----------------|-------|-------------|----------------------------|
| MS9506-04 | .875 | .113-.133 | 11.34 | MS9506-31 | 3.250 | 1.815-1.875 | 28.07 |
| MS9506-05 | .938 | .113-.133 | 11.78 | MS9506-32 | 3.375 | 1.940-2.000 | 28.95 |
| MS9506-06 | 1.000 | .113-.133 | 12.22 | MS9506-33 | 3.500 | 2.065-2.125 | 29.83 |
| MS9506-07 | 1.062 | .113-.133 | 12.66 | MS9506-34 | 3.625 | 2.190-2.250 | 30.71 |
| MS9506-08 | 1.125 | .113-.133 | 13.10 | MS9506-35 | 3.750 | 2.315-2.375 | 31.60 |
| MS9506-09 | 1.188 | .113-.133 | 13.54 | MS9506-36 | 3.875 | 2.440-2.500 | 32.48 |
| MS9506-10 | 1.250 | .113-.133 | 13.98 | MS9506-37 | 4.000 | 2.565-2.625 | 33.36 |
| MS9506-11 | 1.312 | .113-.133 | 14.42 | MS9506-38 | 4.125 | 2.690-2.750 | 34.24 |
| MS9506-12 | 1.375 | .113-.133 | 14.87 | MS9506-39 | 4.250 | 2.815-2.875 | 35.12 |
| MS9506-13 | 1.438 | .113-.133 | 15.31 | MS9506-40 | 4.375 | 2.940-3.000 | 36.00 |
| MS9506-14 | 1.500 | .113-.133 | 15.75 | MS9506-41 | 4.500 | 3.065-3.125 | 36.88 |
| MS9506-15 | 1.562 | .128-.188 | 16.19 | MS9506-42 | 4.625 | 3.190-3.250 | 37.76 |
| MS9506-16 | 1.625 | .190-.250 | 16.53 | MS9506-43 | 4.750 | 3.315-3.375 | 38.64 |
| MS9506-17 | 1.688 | .252-.312 | 17.07 | MS9506-44 | 4.875 | 3.440-3.500 | 39.52 |
| MS9506-18 | 1.750 | .315-.375 | 17.51 | MS9506-45 | 5.000 | 3.565-3.625 | 40.40 |
| MS9506-19 | 1.812 | .378-.438 | 17.95 | MS9506-46 | 5.125 | 3.690-3.750 | 41.28 |
| MS9506-20 | 1.875 | .440-.500 | 18.39 | MS9506-47 | 5.250 | 3.815-3.875 | 42.16 |
| MS9506-21 | 2.000 | .565-.625 | 19.27 | MS9506-48 | 5.375 | 3.940-4.000 | 43.04 |
| MS9506-22 | 2.125 | .690-.750 | 20.15 | MS9506-49 | 5.500 | 4.065-4.125 | 43.92 |
| MS9506-23 | 2.250 | .815-.875 | 21.03 | MS9506-50 | 5.625 | 4.190-4.250 | 44.80 |
| MS9506-24 | 2.375 | .940-1.000 | 21.91 | MS9506-51 | 5.750 | 4.315-4.375 | 45.68 |
| MS9506-25 | 2.500 | 1.065-1.125 | 22.79 | MS9506-52 | 5.875 | 4.440-4.500 | 46.56 |
| MS9506-26 | 2.625 | 1.190-1.250 | 23.67 | MS9506-53 | 6.000 | 4.565-4.625 | 47.44 |
| MS9506-27 | 2.750 | 1.315-1.375 | 24.55 | MS9506-54 | 1.938 | .502-.562 | 18.83 |
| MS9506-28 | 2.875 | 1.440-1.500 | 25.43 | | | | |
| MS9506-29 | 3.000 | 1.565-1.625 | 26.31 | | | | |
| MS9506-30 | 3.125 | 1.690-1.750 | 27.19 | | | | |

1. SHANK SHALL BE STRAIGHT WITHIN .002 TOTAL PER INCH OF BOLT LENGTH
2. THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
3. THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND HEXAGON SHALL BE WITHIN .026 FIR.
4. INCOMPLETE THREADS NOT TO ENTER FILLET.
5. MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS 5731.
6. MANUFACTURING SPECIFICATION: AMS 7477.
7. FLUORESCENT PENETRANT INSPECTION PER AMS 2645.
8. SURFACE TEXTURE: USAS B46.1-1962 UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 MICROINCHES EXCEPT HEXAGON
9. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
10. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.
11. DO NOT USE UNASSIGNED PART NUMBERS.

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| | | | |
|---------------------------------------|--------------------------|--|-------------------|
| P A AS Other Cust © AV 99 | INTERNATIONAL INTL-47 | TITLE BOLT, MACHINED - HEXAGON HEAD, DRILLED, 1 HOLE, FULL SHANK, AMS 5731, .5625-18 UNJF-3A | MILITARY STANDARD |
| | © | | MS9506 |
| PROCUREMENT SPECIFICATION NON- | | SUPSEDES: | PAGE 1 OF 1 |

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5306-0903

This military standard is approved for use by all Departments and Agencies of the Department of Defense.
Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

Review activities:
AIR FORCE-82
DLA - IS

User activities:

APPROVED 5 MAY 1965
REVISED (A) 17 NOV 69 (B) 21 DEC 83 (C) 23 NOV 84