

User activities:

 Review activities:
 AIR FORCE-82
 DLA-15

This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

| MS9579 | | | | FED. SUP CLASS 5306 | | | | | | | |
|--|-------|------------|----------------------|---|-------|-------------|----------------------|------------------------------------|-------|-------------|----------------------|
| | | | | | | | | | | | |
| MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION PER AS 478 CLASS A WRENCHING CONFIGURATION PER AS 870 FOR THIS DISTANCE .5625 NOM 5° MAX 45° .750 .070 DIA & HOLES EQUALLY SPACED AS SHOWN CSK 90° TO .100 DIA .370 DIA .015 R MAX CHAMFER 28°-32° TO .562 DIA 32° .415 .250 .125 MIN .030 R .020 R 32° .140 MIN .472 DIA .500-20 UNJF-3A MIL-S-8879 CHAMFER .047 x 45° APPROX 32° 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 |
| MS9579-03 | .750 | .105-.125 | 7.54 | MS9579-24 | 2.375 | 1.065-1.125 | 15.21 | MS9579-44 | 4.875 | 3.565-3.625 | 27.32 |
| MS9579-04 | .812 | .105-.125 | 7.83 | MS9579-25 | 2.500 | 1.190-1.250 | 15.82 | MS9579-45 | 5.000 | 3.690-3.750 | 27.92 |
| MS9579-05 | .875 | .105-.125 | 8.12 | MS9579-26 | 2.625 | 1.315-1.375 | 16.42 | MS9579-46 | 5.125 | 3.815-3.875 | 28.53 |
| MS9579-06 | .938 | .105-.125 | 8.41 | MS9579-27 | 2.750 | 1.440-1.500 | 17.01 | MS9579-47 | 5.250 | 3.940-4.000 | 29.13 |
| MS9579-07 | 1.000 | .105-.125 | 8.70 | MS9579-28 | 2.875 | 1.565-1.625 | 17.61 | MS9579-48 | 5.375 | 4.065-4.125 | 29.74 |
| MS9579-08 | 1.062 | .105-.125 | 8.99 | MS9579-29 | 3.000 | 1.690-1.750 | 18.22 | MS9579-49 | 5.500 | 4.190-4.250 | 30.35 |
| MS9579-09 | 1.125 | .105-.125 | 9.28 | MS9579-30 | 3.125 | 1.815-1.875 | 18.83 | MS9579-50 | 5.625 | 4.315-4.375 | 30.95 |
| MS9579-10 | 1.188 | .105-.125 | 9.57 | MS9579-31 | 3.250 | 1.940-2.000 | 19.43 | MS9579-51 | 5.750 | 4.440-4.500 | 31.56 |
| MS9579-11 | 1.250 | .105-.125 | 9.86 | MS9579-32 | 3.375 | 2.065-2.125 | 20.04 | MS9579-52 | 5.875 | 4.565-4.625 | 32.16 |
| MS9579-12 | 1.312 | .105-.125 | 10.15 | MS9579-33 | 3.500 | 2.190-2.250 | 20.65 | MS9579-53 | 6.000 | 4.690-4.750 | 32.77 |
| MS9579-13 | 1.375 | .105-.125 | 10.45 | MS9579-34 | 3.625 | 2.315-2.375 | 21.26 | MS9579-54 | 1.812 | .502-.562 | 12.52 |
| MS9579-14 | 1.438 | .128-.188 | 10.74 | MS9579-35 | 3.750 | 2.440-2.500 | 21.86 | MS9579-55 | 1.938 | .628-.688 | 13.11 |
| MS9579-15 | 1.500 | .190-.250 | 11.04 | MS9579-36 | 3.875 | 2.565-2.625 | 22.47 | | | | |
| MS9579-16 | 1.562 | .252-.312 | 11.33 | MS9579-37 | 4.000 | 2.690-2.750 | 23.07 | | | | |
| MS9579-17 | 1.625 | .315-.375 | 11.63 | MS9579-38 | 4.125 | 2.815-2.875 | 23.68 | | | | |
| MS9579-18 | 1.688 | .378-.438 | 11.92 | MS9579-39 | 4.250 | 2.940-3.000 | 24.29 | | | | |
| MS9579-19 | 1.750 | .440-.500 | 12.22 | MS9579-40 | 4.375 | 3.065-3.125 | 24.89 | | | | |
| MS9579-20 | 1.875 | .565-.625 | 12.81 | MS9579-41 | 4.500 | 3.190-3.250 | 25.50 | | | | |
| MS9579-21 | 2.000 | .690-.750 | 13.41 | MS9579-42 | 4.625 | 3.315-3.375 | 26.11 | | | | |
| MS9579-22 | 2.125 | .815-.875 | 14.00 | MS9579-43 | 4.750 | 3.440-3.500 | 26.71 | | | | |
| MS9579-23 | 2.250 | .940-1.000 | 14.61 | | | | | | | | |
| 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 DOUBLE HEXAGON OD SHALL BE WITHIN .012 FIR. 4. INCOMPLETE THREADS NOT TO ENTER FILLET. 5. MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS 5731. 6. FINISH: SILVER PLATE AMS 2411 .0002-.0006 THICK AT THREAD PD. DIMENSIONS SPECIFIED ARE AFTER PLATING. PD MAY BE REDUCED .0012 MAXIMUM BEFORE PLATING. 7. SURFACE TEXTURE: USAS B46.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD. 8. MANUFACTURING SPECIFICATION: AMS 7477. 9. FLUORESCENT PENETRANT INSPECTION PER AMS 2645 BEFORE PLATING. 10. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED. 11. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010, 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. | | | | | | | | | | | |
| P.A. AS Other Cust AV 99 | | | | TITLE BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, AMS 5731, SILVER PLATED, .500-20 UNJF-3A | | | | MILITARY STANDARD MS9579 | | | |
| PROCUREMENT SPECIFICATION NONE | | | | SUPERSEDES: | | | | PAGE 1 OF 1 | | | |