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AS9212

FEDERAL SUPPLY CLASS
5306

RATIONALE

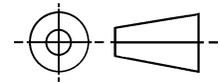
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THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9212, AMENDMENT 1. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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THIRD ANGLE PROJECTION



ISSUED 1999-12 REVISED 2002-12 REAFFIRMED 2007-06

PREPARED BY SAE COMMITTEE E-25, GENERAL STANDARDS FOR AEROSPACE PROPULSION SYSTEMS

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) BOLT, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM
PLATED, DOUBLE HEXAGON EXTENDED WASHER HEAD,
UNS K14675, 195 KSI MIN, .4375-20 UNJF-3A

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SHEET 1 OF 4

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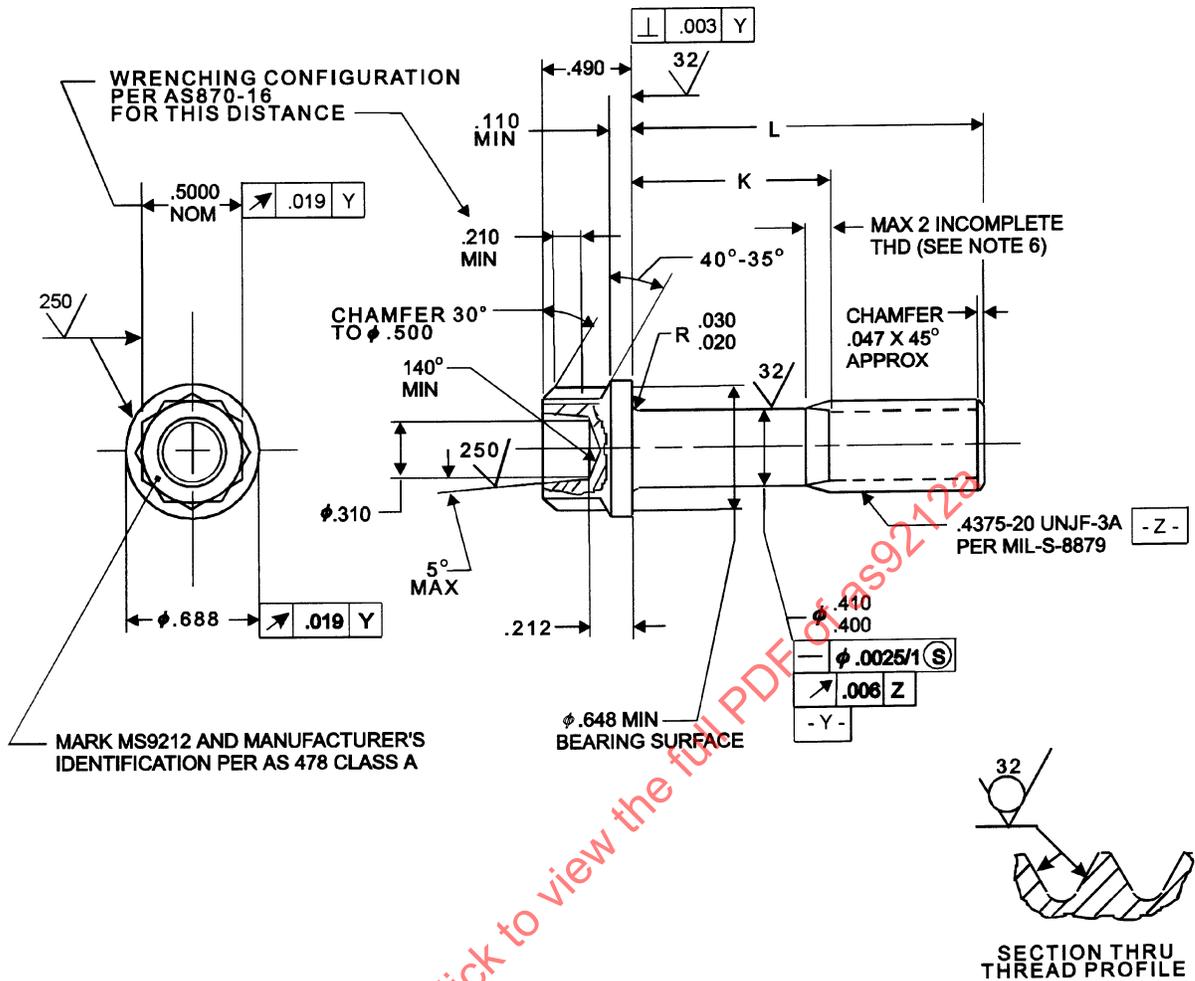


FIGURE 1 - BOLT

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TABLE 1 - PART NUMBERS AND DIMENSIONS

| PART NO. | L | K | APPROX. MASS LB/100 | PART NO. | L | K | APPROX. MASS LB/100 |
|-----------|-------|---------------|---------------------------|-----------|-------|---------------|---------------------------|
| MS9212-04 | .688 | .105 - .125 | 5.05 | MS9212-31 | 3.000 | 1.815 - 1.875 | 13.66 |
| MS9212-05 | .750 | .105 - .125 | 5.28 | MS9212-32 | 3.125 | 1.940 - 2.000 | 14.12 |
| MS9212-06 | .812 | .105 - .125 | 5.51 | MS9212-33 | 3.250 | 2.065 - 2.125 | 14.59 |
| MS9212-07 | .875 | .105 - .125 | 5.74 | MS9212-34 | 3.375 | 2.190 - 2.250 | 15.06 |
| MS9212-08 | .938 | .105 - .125 | 5.97 | MS9212-35 | 3.500 | 2.315 - 2.375 | 15.52 |
| MS9212-09 | 1.000 | .105 - .125 | 6.20 | MS9212-36 | 3.625 | 2.440 - 2.500 | 15.99 |
| MS9212-10 | 1.062 | .105 - .125 | 6.43 | MS9212-37 | 3.750 | 2.565 - 2.625 | 16.45 |
| MS9212-11 | 1.125 | .105 - .125 | 6.67 | MS9212-38 | 3.875 | 2.690 - 2.750 | 16.92 |
| MS9212-12 | 1.188 | .105 - .125 | 6.90 | MS9212-39 | 4.000 | 2.815 - 2.875 | 17.39 |
| MS9212-13 | 1.250 | .125 - .145 | 7.13 | MS9212-40 | 4.125 | 2.940 - 3.000 | 17.85 |
| MS9212-14 | 1.312 | .128 - .188 | 7.36 | MS9212-41 | 4.250 | 3.065 - 3.125 | 18.31 |
| MS9212-15 | 1.375 | .190 - .250 | 7.59 | MS9212-42 | 4.375 | 3.190 - 3.250 | 18.75 |
| MS9212-16 | 1.438 | .252 - .312 | 7.82 | MS9212-43 | 4.500 | 3.315 - 3.375 | 19.31 |
| MS9212-17 | 1.500 | .315 - .375 | 8.05 | MS9212-44 | 4.625 | 3.440 - 3.500 | 19.66 |
| MS9212-18 | 1.562 | .378 - .438 | 8.27 | MS9212-45 | 4.750 | 3.565 - 3.625 | 20.12 |
| MS9212-19 | 1.625 | .440 - .500 | 8.50 | MS9212-46 | 4.875 | 3.690 - 3.750 | 20.59 |
| MS9212-20 | 1.688 | .502 - .562 | 8.73 | MS9212-47 | 5.000 | 3.815 - 3.875 | 21.05 |
| MS9212-21 | 1.750 | .565 - .625 | 8.96 | MS9212-48 | 5.125 | 3.940 - 4.000 | 21.51 |
| MS9212-22 | 1.875 | .690 - .750 | 9.43 | MS9212-49 | 5.250 | 4.065 - 4.125 | 21.97 |
| MS9212-23 | 2.000 | .815 - .875 | 9.90 | MS9212-50 | 5.375 | 4.190 - 4.250 | 22.33 |
| MS9212-24 | 2.125 | .940 - 1.000 | 10.38 | MS9212-51 | 5.500 | 4.315 - 4.375 | 22.80 |
| MS9212-25 | 2.250 | 1.065 - 1.125 | 10.85 | MS9212-52 | 5.625 | 4.440 - 4.500 | 23.27 |
| MS9212-26 | 2.375 | 1.190 - 1.250 | 11.32 | MS9212-53 | 5.750 | 4.565 - 4.625 | 23.74 |
| MS9212-27 | 2.500 | 1.315 - 1.375 | 11.79 | MS9212-54 | 5.875 | 4.690 - 4.750 | 24.21 |
| MS9212-28 | 2.625 | 1.440 - 1.500 | 12.26 | MS9212-55 | 6.000 | 4.815 - 4.875 | 24.67 |
| MS9212-29 | 2.750 | 1.565 - 1.625 | 12.72 | | | | |
| MS9212-30 | 2.875 | 1.690 - 1.750 | 13.19 | | | | |

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