

REV.
D

SAE AS9557

FEDERAL SUPPLY CLASS
5306

RATIONALE

FIGURE REDRAWN, GENERAL REVISION TO, RELOCATE RUNOUT REQUIREMENT FOR WRENCHING ELEMENT AND SURFACE FINISH REQUIREMENT FOR END.

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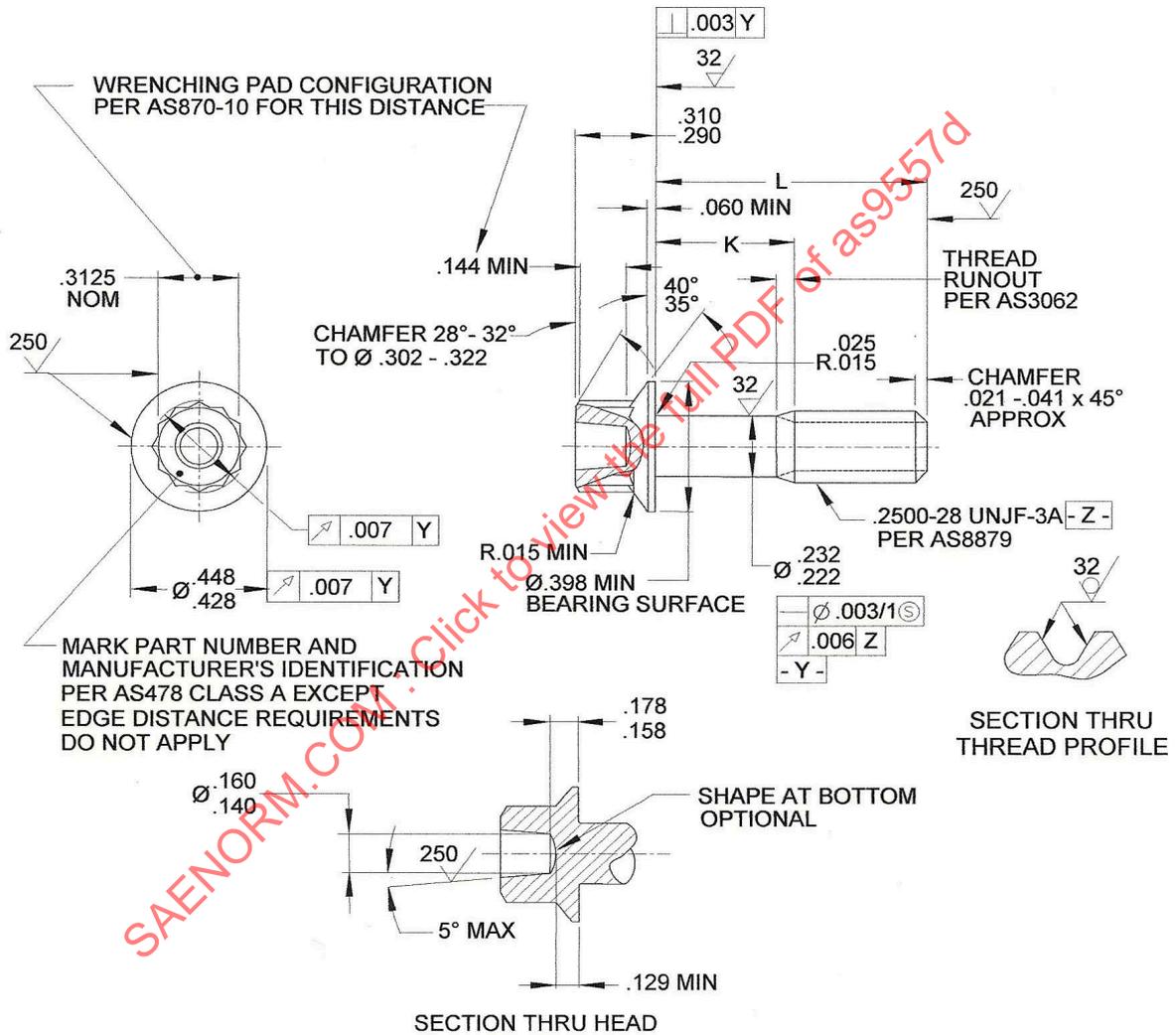
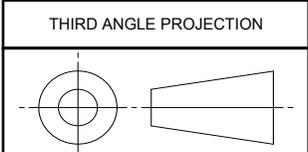


FIGURE 1 - BOLT

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CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7477

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, CORROSION AND HEAT RESISTANT STEEL, UNS S66286, UTS 130 KSI MIN, .2500-28 UNJF-3A

SAE AS9557
SHEET 1 OF 3

REV. D

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ISSUED 2000-08 REVISED 2012-04

TABLE 1 - PART NUMBERS AND DIMENSIONS

| PART NUMBER | L | K | APPROX MASS LBF/100 | PART NUMBER | L | K | APPROX MASS LBF/100 |
|-------------|---------------|---------------|---------------------|-------------|---------------|---------------|---------------------|
| MS9557-04 | .365 - .385 | .079 - .099 | 1.14 | MS9557-32 | 2.490 - 2.510 | 1.690 - 1.750 | 3.57 |
| MS9557-05 | .428 - .448 | .079 - .099 | 1.21 | MS9557-33 | 2.615 - 2.635 | 1.815 - 1.875 | 3.71 |
| MS9557-06 | .490 - .510 | .079 - .099 | 1.29 | MS9557-34 | 2.740 - 2.760 | 1.940 - 2.100 | 3.85 |
| | | | | | | | |
| MS9557-07 | .552 - .572 | .079 - .099 | 1.37 | MS9557-35 | 2.865 - 2.885 | 2.065 - 2.152 | 4.00 |
| MS9557-08 | .615 - .635 | .079 - .099 | 1.44 | MS9557-36 | 2.990 - 3.010 | 2.190 - 2.250 | 4.14 |
| MS9557-09 | .678 - .698 | .079 - .099 | 1.51 | MS9557-37 | 3.115 - 3.135 | 2.315 - 2.375 | 4.29 |
| | | | | | | | |
| MS9557-10 | .740 - .760 | .079 - .099 | 1.58 | MS9557-38 | 3.240 - 3.260 | 2.440 - 2.500 | 4.43 |
| MS9557-11 | .802 - .822 | .079 - .099 | 1.65 | MS9557-39 | 3.365 - 3.385 | 2.565 - 2.625 | 4.58 |
| MS9557-12 | .865 - .885 | .079 - .125 | 1.72 | MS9557-40 | 3.490 - 3.510 | 2.690 - 2.750 | 4.72 |
| | | | | | | | |
| MS9557-13 | .928 - .948 | .128 - .188 | 1.79 | MS9557-41 | 3.615 - 3.635 | 2.815 - 2.875 | 4.85 |
| MS9557-14 | .990 - 1.010 | .190 - .250 | 1.86 | MS9557-42 | 3.740 - 3.760 | 2.940 - 3.000 | 4.99 |
| MS9557-15 | 1.052 - 1.072 | .252 - .312 | 1.93 | MS9557-43 | 3.865 - 3.885 | 3.065 - 3.125 | 5.13 |
| | | | | | | | |
| MS9557-16 | 1.115 - 1.135 | .315 - .375 | 2.00 | MS9557-44 | 3.990 - 4.010 | 3.190 - 3.250 | 5.27 |
| MS9557-17 | 1.178 - 1.198 | .378 - .438 | 2.08 | MS9557-45 | 4.115 - 4.135 | 3.315 - 3.375 | 5.42 |
| MS9557-18 | 1.240 - 1.260 | .440 - .500 | 2.15 | MS9557-46 | 4.240 - 4.260 | 3.440 - 3.500 | 5.60 |
| | | | | | | | |
| MS9557-19 | 1.302 - 1.322 | .502 - .562 | 2.22 | MS9557-47 | 4.365 - 4.385 | 3.565 - 3.625 | 5.71 |
| MS9557-20 | 1.365 - 1.385 | .565 - .625 | 2.29 | MS9557-48 | 4.490 - 4.510 | 3.690 - 3.750 | 5.85 |
| MS9557-21 | 1.428 - 1.448 | .628 - .688 | 2.36 | MS9557-49 | 4.615 - 4.635 | 3.815 - 3.875 | 6.00 |
| | | | | | | | |
| MS9557-22 | 1.490 - 1.510 | .690 - .750 | 2.43 | MS9557-50 | 4.740 - 4.760 | 3.940 - 4.000 | 6.14 |
| MS9557-23 | 1.552 - 1.572 | .752 - .812 | 2.50 | MS9557-51 | 4.865 - 4.885 | 4.065 - 4.125 | 6.29 |
| MS9557-24 | 1.615 - 1.635 | .815 - .875 | 2.57 | MS9557-52 | 4.990 - 5.010 | 4.190 - 4.260 | 6.43 |
| | | | | | | | |
| MS9557-25 | 1.678 - 1.698 | .878 - .938 | 2.64 | MS9557-53 | 5.115 - 5.135 | 4.315 - 4.375 | 6.58 |
| MS9557-26 | 1.740 - 1.760 | .940 - 1.000 | 2.72 | MS9557-54 | 5.240 - 5.260 | 4.440 - 4.500 | 6.70 |
| MS9557-61 | 1.802 - 1.822 | 1.002 - 1.062 | 2.79 | MS9557-55 | 5.365 - 5.385 | 4.565 - 4.625 | 6.84 |
| | | | | | | | |
| MS9557-27 | 1.865 - 1.885 | 1.065 - 1.125 | 2.86 | MS9557-56 | 5.490 - 5.510 | 4.690 - 4.750 | 6.99 |
| MS9557-62 | 1.928 - 1.948 | 1.128 - 1.188 | 2.93 | MS9557-57 | 5.615 - 5.635 | 4.815 - 4.875 | 7.13 |
| MS9557-28 | 1.990 - 2.010 | 1.190 - 1.250 | 3.00 | MS9557-58 | 5.740 - 5.760 | 4.940 - 5.000 | 7.28 |
| | | | | | | | |
| MS9557-29 | 2.115 - 2.135 | 1.315 - 1.375 | 3.14 | MS9557-59 | 5.865 - 5.885 | 5.065 - 5.125 | 7.42 |
| MS9557-30 | 2.240 - 2.260 | 1.440 - 1.500 | 3.29 | MS9557-60 | 5.990 - 6.010 | 5.190 - 5.250 | 7.57 |
| MS9557-31 | 2.365 - 2.385 | 1.565 - 1.625 | 3.43 | | | | |

DASH NUMBERS 61 AND 62 ARE IN LENGTH ORDER

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