

REV.
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SAE AS3253

RATIONALE

REVISE WRENCHING ELEMENT RUNOUT CALLOUT (RELOCATE FROM WRENCH FLATS TO POINTS). REVISE THREAD SPECIFICATION TO AS8879. REVISE LIGHTENING HOLE CONFIGURATION (ADD SECTION VIEW) TO ALLOW OPTIONAL SHAPE AT BOTTOM OF HOLE, ADD SYMBOL FOR Ø AND MMC TO POSITION TOLERANCE FOR SAFETY WIRE HOLES, DELETE .015 MIN RADIUS AT BASE OF WRENCH PAD, AND FIGURE 1 REDRAWN, CORRECT TYPOGRAPHICAL ERROR IN APPROX. MASS FOR -45.

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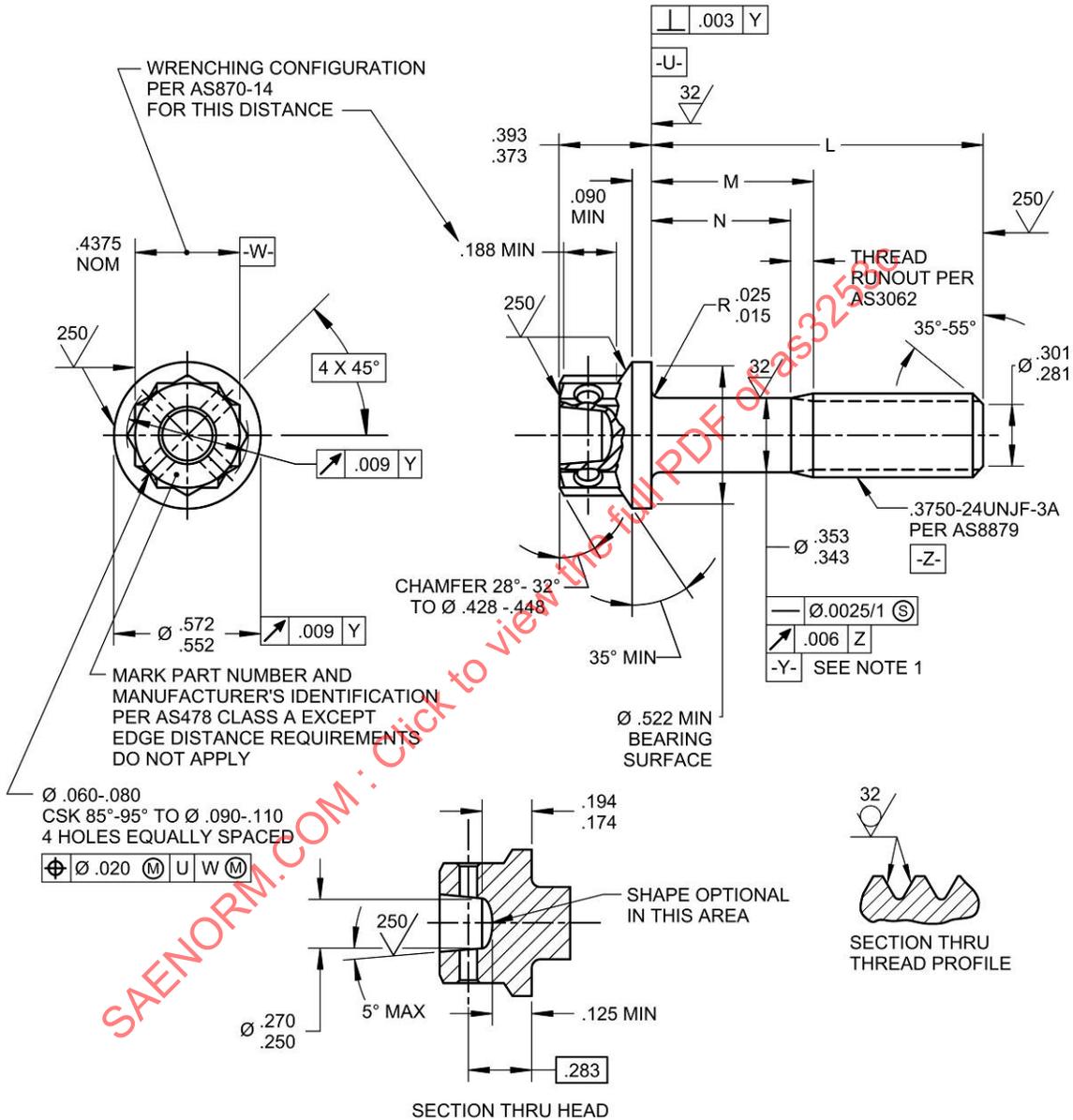


FIGURE 1 - BOLT

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CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7466

SAE Aerospace
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AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, SILVER PLATED, NICKEL ALLOY, UNS N07718, 185 KSI MIN, .3750-24 UNJF-3A

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ISSUED 1980-07 REAFFIRMED 2007-06 REVISED 2013-02

TABLE 1 - PART NUMBERS AND DIMENSIONS

| PART NO. | L | N MIN | M MAX | APPROX. MASS LB/100 | PART NO. | L | N MIN | M MAX | APPROX. MASS LB/100 |
|-----------|---------------|----------|----------|---------------------------|-----------|---------------|----------|----------|---------------------------|
| AS3253-03 | .552 - .572 | .025 | .108 | 3.06 | AS3253-33 | 2.865 - 2.885 | 1.732 | 1.875 | 9.61 |
| AS3253-04 | .615 - .635 | .025 | .108 | 3.24 | AS3253-34 | 2.990 - 3.010 | 1.857 | 2.000 | 9.97 |
| AS3253-05 | .678 - .698 | .025 | .108 | 3.42 | AS3253-35 | 3.115 - 3.135 | 1.982 | 2.125 | 10.32 |
| AS3253-06 | .740 - .760 | .025 | .108 | 3.59 | AS3253-36 | 3.240 - 3.260 | 2.107 | 2.250 | 10.67 |
| AS3253-07 | .802 - .822 | .025 | .108 | 3.77 | AS3253-37 | 3.365 - 3.385 | 2.232 | 2.375 | 11.03 |
| AS3253-08 | .865 - .885 | .025 | .108 | 3.94 | AS3253-38 | 3.490 - 3.510 | 2.357 | 2.500 | 11.39 |
| AS3253-09 | .928 - .948 | .025 | .108 | 4.12 | AS3253-39 | 3.615 - 3.635 | 2.482 | 2.625 | 11.74 |
| AS3253-10 | .990 - 1.010 | .025 | .108 | 4.30 | AS3253-40 | 3.740 - 3.760 | 2.607 | 2.750 | 12.09 |
| AS3253-11 | 1.052 - 1.072 | .025 | .108 | 4.47 | AS3253-41 | 3.865 - 3.885 | 2.732 | 2.875 | 12.45 |
| AS3253-12 | 1.115 - 1.135 | .025 | .125 | 4.65 | AS3253-42 | 3.990 - 4.010 | 2.857 | 3.000 | 12.80 |
| AS3253-13 | 1.178 - 1.198 | .045 | .188 | 4.83 | AS3253-43 | 4.115 - 4.135 | 2.982 | 3.125 | 13.15 |
| AS3253-14 | 1.240 - 1.260 | .107 | .250 | 5.00 | AS3253-44 | 4.240 - 4.260 | 3.107 | 3.250 | 13.50 |
| AS3253-15 | 1.302 - 1.322 | .169 | .312 | 5.19 | AS3253-45 | 4.365 - 4.385 | 3.232 | 3.375 | 13.86 |
| AS3253-16 | 1.365 - 1.385 | .232 | .375 | 5.37 | AS3253-46 | 4.490 - 4.510 | 3.357 | 3.500 | 14.22 |
| AS3253-17 | 1.428 - 1.448 | .295 | .438 | 5.54 | AS3253-47 | 4.615 - 4.635 | 3.482 | 3.625 | 14.57 |
| AS3253-18 | 1.490 - 1.510 | .357 | .500 | 5.72 | AS3253-48 | 4.740 - 4.760 | 3.607 | 3.750 | 14.93 |
| AS3253-19 | 1.552 - 1.572 | .419 | .562 | 5.90 | AS3253-49 | 4.865 - 4.885 | 3.732 | 3.875 | 15.28 |
| AS3253-20 | 1.615 - 1.635 | .482 | .625 | 6.07 | AS3253-50 | 4.990 - 5.010 | 3.857 | 4.000 | 15.63 |
| AS3253-21 | 1.678 - 1.698 | .545 | .688 | 6.25 | AS3253-51 | 5.115 - 5.135 | 3.982 | 4.125 | 15.99 |
| AS3253-22 | 1.740 - 1.760 | .607 | .750 | 6.43 | AS3253-52 | 5.240 - 5.260 | 4.107 | 4.250 | 16.34 |
| AS3253-23 | 1.802 - 1.822 | .669 | .812 | 6.60 | AS3253-53 | 5.365 - 5.385 | 4.232 | 4.375 | 16.70 |
| AS3253-24 | 1.865 - 1.885 | .732 | .875 | 6.78 | AS3253-54 | 5.490 - 5.510 | 4.357 | 4.500 | 17.05 |
| AS3253-25 | 1.928 - 1.948 | .795 | .938 | 6.96 | AS3253-55 | 5.615 - 5.635 | 4.482 | 4.625 | 17.39 |
| AS3253-26 | 1.990 - 2.010 | .857 | 1.000 | 7.13 | AS3253-56 | 5.740 - 5.760 | 4.607 | 4.750 | 17.73 |
| AS3253-27 | 2.115 - 2.135 | .982 | 1.125 | 7.48 | AS3253-57 | 5.865 - 5.885 | 4.732 | 4.875 | 18.07 |
| AS3253-28 | 2.240 - 2.260 | 1.107 | 1.250 | 7.84 | AS3253-58 | 5.990 - 6.010 | 4.857 | 5.000 | 18.41 |
| AS3253-29 | 2.365 - 2.385 | 1.232 | 1.375 | 8.20 | | | | | |
| AS3253-30 | 2.490 - 2.510 | 1.357 | 1.500 | 8.55 | | | | | |
| AS3253-31 | 2.615 - 2.635 | 1.482 | 1.625 | 8.91 | | | | | |
| AS3253-32 | 2.740 - 2.760 | 1.607 | 1.750 | 9.26 | | | | | |

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