

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION MIL-S-21472

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE

Form Approved
OMB No 0704-0188

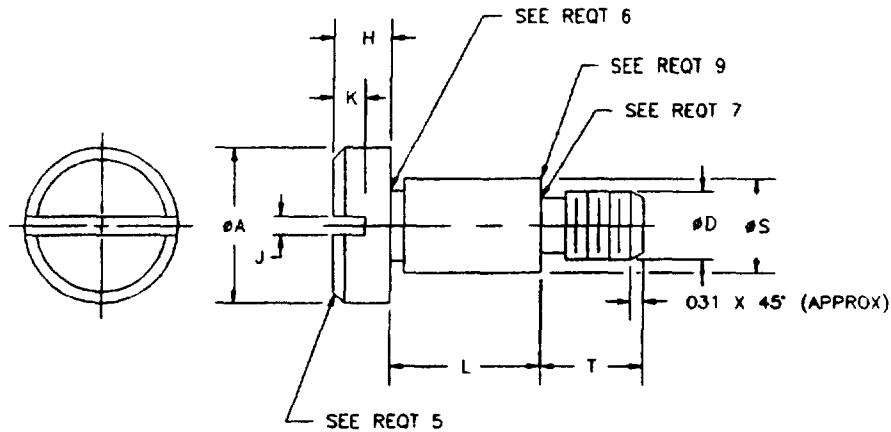


TABLE 1 DASH NUMBERS AND DIMENSIONS.

| NOMINAL SIZE | | 1250 | 1875 | 2500 | 3125 | 5000 |
|--------------------------|-----|-----------------|-----------------|-----------------|-----------------|-----------------|
| #S SHOULDER | MAX | 1245 | 1870 | 2495 | 3120 | 4995 |
| | MIN | 1235 | 1860 | 2485 | 3110 | 4985 |
| #D NOMINAL THREAD SIZE | | 112 40UNC-2A | 164 32UNC-2A | 190 32UNF-2A | 250 20UNC-2A | 375 16UNC-2A |
| | | | | | | |
| #A HEAD | MAX | 2812 | 3437 | 4062 | 5312 | 7812 |
| | MIN | 2188 | 2813 | 3438 | 4688 | 7188 |
| H HEAD HEIGHT | MAX | 1562 | 1874 | 2187 | 2499 | 3437 |
| | MIN | 0938 | 1250 | 1563 | 1875 | 2813 |
| T THREAD LENGTH | MAX | 1874 | 2187 | 2812 | 4687 | 6562 |
| | MIN | 1250 | 1563 | 2188 | 4063 | 5938 |
| J SLOT WIDTH | MAX | 039 | 054 | 075 | 084 | 106 |
| | MIN | 031 | 045 | 064 | 072 | 091 |
| K SLOT DEPTH | MAX | 048 | 071 | 083 | 094 | 164 |
| | MIN | 035 | 054 | 064 | 081 | 133 |
| L SHOULDER LENGTH ± .003 | | DASH NUMBER | DASH NUMBER | DASH NUMBER | DASH NUMBER | DASH NUMBER |
| | | | | | | |
| 125 | | 1 | 6 | 16 | | |
| 188 | | 2 | 7 | 17 | | |
| 250 | | 3 | 8 | 18 | 27 | |
| 313 | | 4 | 9 | 19 | 28 | |
| 375 | | 5 | 10 | 20 | | |
| 500 | | | 11 | 21 | | 29 |
| 625 | | | 12 | 22 | | |
| 750 | | | 13 | 23 | | |
| 1 000 | | | 14 | 24 | | |
| 1 250 | | | 15 | 25 | | |
| 1 500 | | | | 26 | | |

(A) DENOTES CHANGE(S)

INCH-POUND

| | | |
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| PREPARING ACTIVITY DLA-IS CUSTODIANS ARMY- AR NAVY- AS AIR FORCE- 99 DLA- REVIEW AT, AV, MC MI, NS, OS 82 PROJECT NUMBER 5305-2037 DISTRIBUTION STATEMENT | MILITARY SPECIFICATION SHEET TITLE SCREW, SHOULDER, SLOTTED-HEAD, CORROSION-RESISTANT STEEL | SPECIFICATION SHEET NUMBER MS51575 30 DEC 94 REV A SUPERSEDING MS51575 9 DEC 88 AMSC- N/A FSC 5305 |
| A Approved for public release distribution is unlimited | | Page 1 of 2 |

DD Form 672, MAY 88

PREVIOUS EDITIONS ARE OBSOLETE

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REQUIREMENTS

- (A) 1 MATERIAL STEEL CORROSION-RESISTANT UNS S30300 (TYPE 303) CONDITION A IN ACCORDANCE WITH ASTM A582/582M OR UNS S30400 (TYPE 304) OR UNS S30430 (FORMERLY TYPE XM-7) IN ACCORDANCE WITH ASTM A493
- (A) 2 PASSIVATION GRADE S30300 STEEL SHALL BE PASSIVATED IN ACCORDANCE WITH QQ-P-35 TYPE II GRADES S30400 AND S30430 STEEL SHALL BE PASSIVATED IN ACCORDANCE WITH QQ-P-35 TYPE VI OR VII
- (A) 3 MAGNETIC PERMEABILITY THE SCREWS SHALL HAVE A MAGNETIC PERMEABILITY OF 2.0 MAXIMUM (AIR = 1.0) IN A FIELD STRENGTH OF $H = 200$ OERSTEDS USING A MAGNETIC INDICATOR IN ACCORDANCE WITH ASTM A342 TEST METHOD NO 6
- 4 THREADS THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/2 ACCEPTABILITY OF SCREW THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/20 SYSTEM 21
- 5 HEAD CHAMFER THE CHAMFER SHALL BE AT AN ANGLE OF 30° TO 45° WITH THE PLANE OF THE TOP OF THE HEAD THE EDGE BETWEEN THE TOP OF THE HEAD AND THE CHAMFER MAY BE SLIGHTLY ROUNDED
- 6 NECK AND FILLET UNDER HEAD SCREWS MAY BE NECKED UNDER THE HEAD AT OPTION OF THE MANUFACTURER
- 7 NECK UNDER SHOULDER THE NECK UNDER THE SHOULDER SHALL ALLOW THE SHOULDER TO SEAT AGAINST THE FACE OF A STANDARD BASIC "G" THREAD RING GAGE
- 8 BEARING SURFACE THE PLANE OF THE BEARING SURFACE OF THE HEAD SHALL BE PERPENDICULAR TO THE AXIS OF THE SHOULDER WITHIN A MAXIMUM DEVIATION OF 2°
- 9 EDGE OF SHOULDER THE EDGE OF THE SHOULDER MAY BE BROKEN THE RADIUS OR CHAMFER SHALL NOT EXCEED .005 INCH FOR SHOULDERS WITH NOMINAL DIAMETERS OF .3125 INCH AND UNDER THE RADIUS OR CHAMFER SHALL NOT EXCEED .008 INCH FOR SHOULDERS WITH NOMINAL DIAMETERS OF .5000 INCH AND OVER
- 10 CONCENTRICITY CONCENTRICITY SHALL BE IN ACCORDANCE WITH ASME/ANSI B18.3
- 11 PART NUMBER THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE 1

EXAMPLE MSS1575-24

DASH NUMBER

BASIC MS NUMBER

- (A) MSS1575-24 INDICATES - SCREW SHOULDER SLOTTED-HEAD CORROSION-RESISTANT STEEL
2500 INCH NOMINAL SIZE 1.000 NOMINAL SHOULDER LENGTH
190-32 UNF-2A NOMINAL THREAD SIZE

NOTES

- 1 DIMENSIONS ARE IN INCHES
- (A) 2 INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ANSI Y14.5M-1982
- (A) 3 IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS DOCUMENT AND THE REFERENCES CITED HEREIN THE TEXT OF THIS DOCUMENT SHALL TAKE PRECEDENCE
- (A) 4 UNLESS OTHERWISE SPECIFIED ISSUES OF REFERENCED DOCUMENTS ARE THOSE IN EFFECT AT THE TIME OF SOLICITATION

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| PREPARING ACTIVITY DLA-IS CUSTODIANS ARMY- AR NAVY- AS AIR FORCE- 99 DLA- REVIEW AT AV MC MI NS OS, 82 PROJECT NUMBER 5305-2037 DISTRIBUTION STATEMENT | MILITARY SPECIFICATION SHEET TITLE SCREW SHOULDER SLOTTED-HEAD CORROSION-RESISTANT STEEL | SPECIFICATION SHEET NUMBER MSS1575 30 DEC 94 REV A SUPERSEDING MSS1575 9 DEC 88 AMSC- N/A FSC 5305 Page 2 of 2 |
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