

## RATIONALE

FIGURE REDRAWN, THREAD SPEC UPDATED, OPTIONAL SHAPE FOR LIGHTENING HOLE ADDED, TABLE RETYPED TO REMOVE DUAL DIMENSIONING, NOTES BROUGHT UP TO DATE.

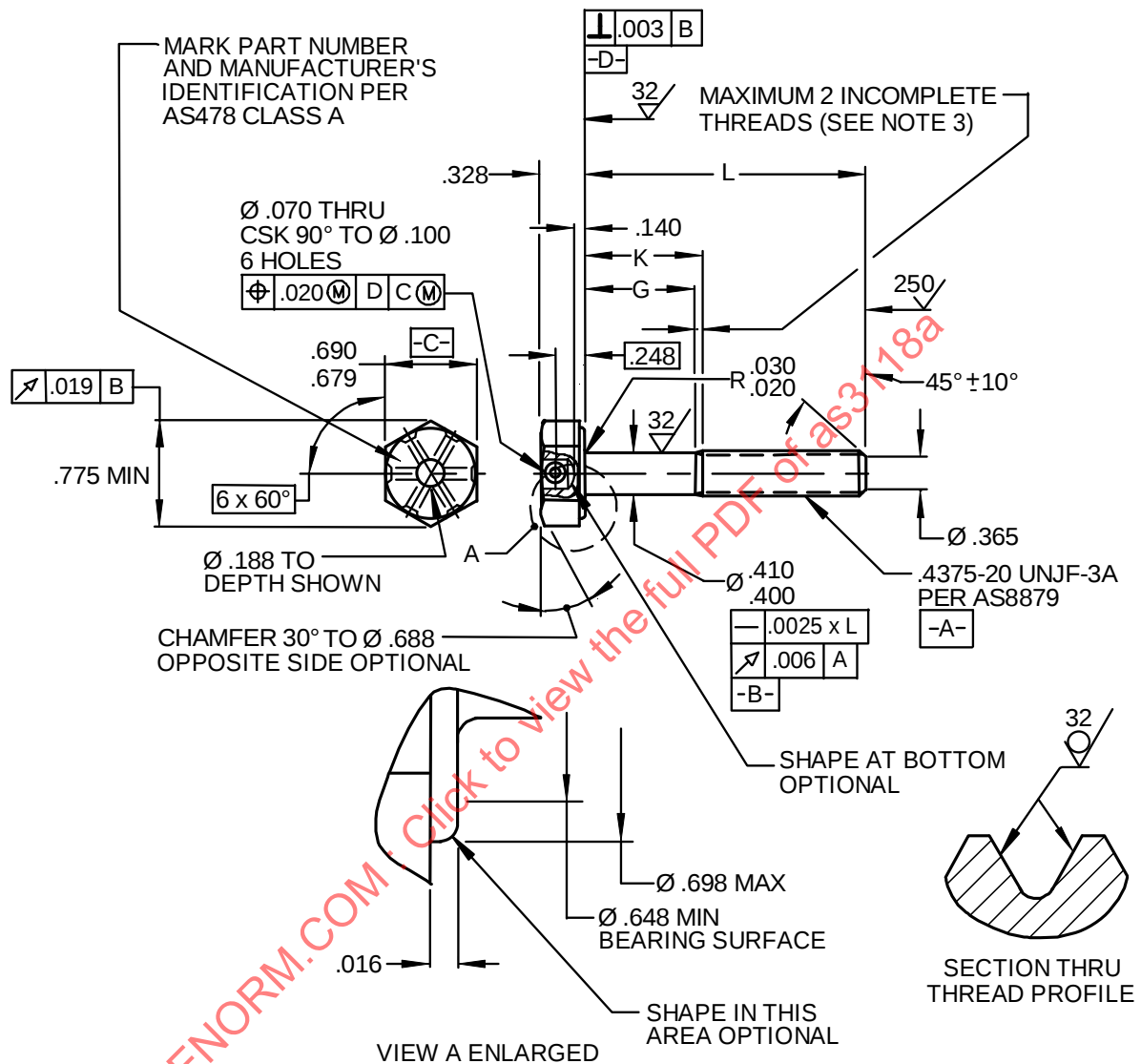
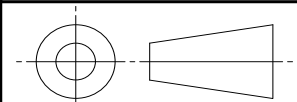


FIGURE 1 - BOLT

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS3118A>

### THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7477



## AEROSPACE STANDARD

(R) BOLT, MACHINE - HEXAGON HEAD,  
DRILLED 6 HOLES, PD SHANK,  
AMS5731, UNS S66286, .4375-20 UNJF-3A

**AS3118**  
SHEET 1 OF 3

**REV.**  
**A**

TABLE 1 - DIMENSIONS

| PART NUMBER<br>/1/ | L     | G MIN | K MAX | APPROX<br>MASS<br>LB/100 |
|--------------------|-------|-------|-------|--------------------------|
| AS3118 -14         | 1.312 | .030  | .188  | 8.29                     |
| AS3118 -15         | 1.375 | .090  | .250  | 8.52                     |
| AS3118 -16         | 1.438 | .153  | .312  | 8.75                     |
| AS3118 -17         | 1.500 | .215  | .375  | 8.98                     |
| AS3118 -18         | 1.562 | .277  | .438  | 9.21                     |
| AS3118 -19         | 1.625 | .340  | .500  | 9.45                     |
| AS3118 -20         | 1.688 | .403  | .562  | 9.68                     |
| AS3118 -21         | 1.750 | .465  | .625  | 9.91                     |
| AS3118 -22         | 1.812 | .527  | .688  | 10.14                    |
| AS3118 -23         | 1.875 | .590  | .750  | 10.37                    |
| AS3118 -24         | 1.938 | .653  | .812  | 10.60                    |
| AS3118 -25         | 2.000 | .715  | .875  | 10.83                    |
| AS3118 -26         | 2.125 | .840  | 1.000 | 11.29                    |
| AS3118 -27         | 2.250 | .965  | 1.125 | 11.76                    |
| AS3118 -28         | 2.375 | 1.090 | 1.250 | 12.22                    |
| AS3118 -29         | 2.500 | 1.215 | 1.375 | 12.68                    |
| AS3118 -30         | 2.625 | 1.340 | 1.500 | 13.14                    |
| AS3118 -31         | 2.750 | 1.465 | 1.625 | 13.61                    |
| AS3118 -32         | 2.875 | 1.590 | 1.750 | 14.07                    |
| AS3118 -33         | 3.000 | 1.715 | 1.875 | 14.53                    |
| AS3118 -34         | 3.125 | 1.840 | 2.000 | 14.99                    |
| AS3118 -35         | 3.250 | 1.965 | 2.125 | 15.45                    |
| AS3118 -36         | 3.375 | 2.000 | 2.250 | 15.92                    |
| AS3118 -37         | 3.500 | 2.215 | 2.375 | 16.38                    |
| AS3118 -38         | 3.625 | 2.340 | 2.500 | 16.84                    |
| AS3118 -39         | 3.750 | 2.465 | 2.625 | 17.30                    |
| AS3118 -40         | 3.875 | 2.590 | 2.750 | 17.76                    |
| AS3118 -41         | 4.000 | 2.715 | 2.875 | 18.23                    |
| AS3118 -42         | 4.125 | 2.840 | 3.000 | 18.69                    |
| AS3118 -43         | 4.250 | 2.965 | 3.125 | 19.15                    |
| AS3118 -44         | 4.375 | 3.090 | 3.250 | 19.61                    |
| AS3118 -45         | 4.500 | 3.215 | 3.375 | 20.08                    |
| AS3118 -46         | 4.625 | 3.340 | 3.500 | 20.54                    |
| AS3118 -47         | 4.750 | 3.465 | 3.625 | 21.00                    |
| AS3118 -48         | 4.875 | 3.590 | 3.750 | 21.46                    |
| AS3118 -49         | 5.000 | 3.715 | 3.875 | 21.92                    |
| AS3118 -50         | 5.125 | 3.840 | 4.000 | 22.39                    |
| AS3118 -51         | 5.250 | 3.965 | 4.125 | 22.85                    |
| AS3118 -52         | 5.375 | 4.090 | 4.250 | 23.31                    |
| AS3118 -53         | 5.500 | 4.215 | 4.375 | 23.77                    |
| AS3118 -54         | 5.625 | 4.340 | 4.500 | 24.23                    |
| AS3118 -55         | 5.750 | 4.465 | 4.625 | 24.69                    |
| AS3118 -56         | 5.875 | 4.590 | 4.750 | 25.16                    |
| AS3118 -57         | 6.000 | 4.715 | 4.875 | 25.62                    |

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