

## RATIONALE

FIGURE REDRAWN, TABLES 1 AND 2 RETYPED, USAGE NOTE ADDED, SPECS UPDATED.

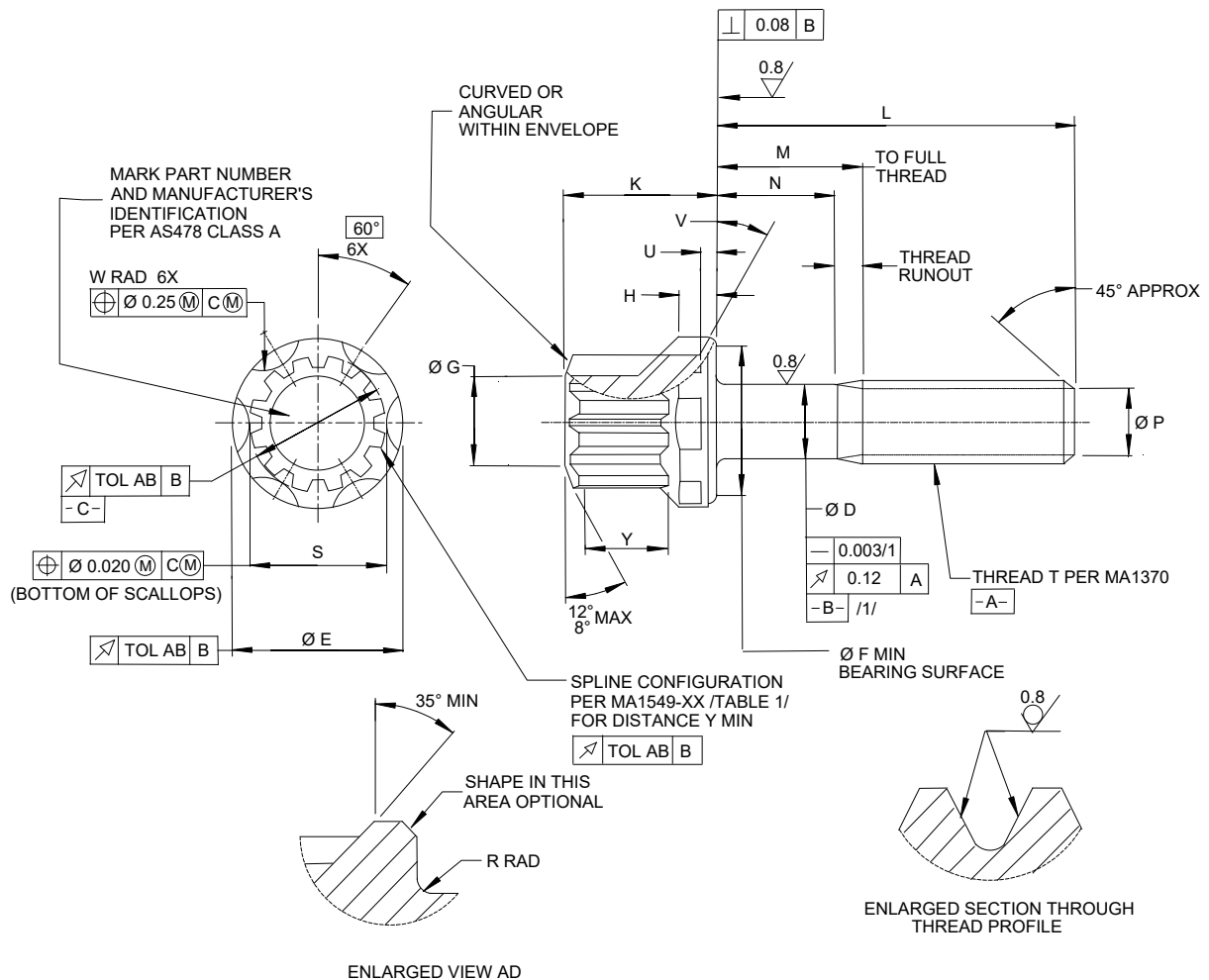
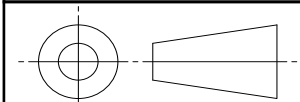


**FIGURE 1**

**For more information on this standard, visit**  
<https://www.sae.org/standards/content/MA3449A/>

### THIRD ANGLE PROJECTION



CUSTODIAN: E-25



## METRIC AEROSPACE STANDARD

BOLT, SPLINE DRIVE EXTENDED  
WASHER HEAD, REDUCED HEAD, RETAINER  
LOCKED, PD SHANK, AMS5708, METRIC

**MA3449™**  
SHEET 1 OF 4

**REV.**  
**A**

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TABLE 1 - DIMENSIONS

| PART NUMBER<br>/8/ | NOM<br>DIA<br>REF | THREAD T     | Ø D       | Ø E       | Ø F<br>MIN | Ø G<br>MIN | H       | K       |
|--------------------|-------------------|--------------|-----------|-----------|------------|------------|---------|---------|
| MA3449-0500XX      | 5                 | MJ5x0.8-4h6h | 4.35-4.61 | 10.5-10.6 | 9.1        | 6.0        | 2.7-3.2 | 6.8-7.3 |
| MA3449-0600XX      | 6                 | MJ6x1-4h6h   | 5.22-5.48 | 11.5-11.6 | 10.6       | 7.0        | 2.7-3.2 | 7.2-7.7 |

TABLE 1 - DIMENSIONS (CONTINUED)

| PART NUMBER<br>/8/ | Ø P     | R RAD   | S    | U       | V        | AB   | WRENCH<br>CONFIGURATION<br>DASH NUMBER | Y MIN |
|--------------------|---------|---------|------|---------|----------|------|----------------------------------------|-------|
| MA3449-0500XX      | 3.0-4.0 | 0.3-0.5 | 7.74 | 0.9-1.3 | 28°- 32° | 0.10 | 06                                     | 2.5   |
| MA3449-0600XX      | 3.7-4.7 | 0.5-0.7 | 8.9  | 1.0-1.5 | 28°- 32° | 0.13 | 07                                     | 2.8   |

TABLE 2

| SIZE             | L<br>LENGTH | DASH NO.<br>SEE NOTE 8 | M<br>MAX | N<br>MIN | APPROX<br>MASS<br>KG/100 |
|------------------|-------------|------------------------|----------|----------|--------------------------|
| MJ5 x 0.8 – 4h6h | 7.7- 8.3    | 050008                 | 2.1      | 0.5      | 0.389                    |
|                  | 9.7-10.3    | 050010                 | 2.1      | 0.5      | 0.415                    |
|                  | 11.7-12.3   | 050012                 | 2.1      | 0.5      | 0.440                    |
|                  | 13.7-14.3   | 050014                 | 2.1      | 0.5      | 0.466                    |
|                  | 15.7-16.3   | 050016                 | 2.1      | 0.5      | 0.491                    |
|                  | 17.7-18.3   | 050018                 | 2.1      | 0.5      | 0.517                    |
|                  | 19.7-20.3   | 050020                 | 4.0      | 0.9      | 0.542                    |
|                  | 21.7-22.3   | 050022                 | 6.0      | 2.9      | 0.568                    |
|                  | 23.7-24.3   | 050024                 | 8.0      | 4.9      | 0.593                    |
|                  | 25.7-26.3   | 050026                 | 10.0     | 6.9      | 0.619                    |
|                  | 27.7-28.3   | 050028                 | 12.0     | 8.9      | 0.644                    |
|                  | 29.7-30.3   | 050030                 | 14.0     | 10.9     | 0.670                    |
|                  | 31.7-32.3   | 050032                 | 16.0     | 12.9     | 0.695                    |
|                  | 33.7-34.3   | 050034                 | 18.0     | 14.9     | 0.721                    |
|                  | 35.7-36.3   | 050036                 | 20.0     | 16.9     | 0.746                    |
|                  | 37.7-38.3   | 050038                 | 22.0     | 18.9     | 0.772                    |
|                  | 39.7-40.3   | 050040                 | 24.0     | 20.9     | 0.797                    |
|                  | 41.7-42.3   | 050042                 | 26.0     | 22.9     | 0.823                    |
|                  | 43.7-44.3   | 050044                 | 28.0     | 24.9     | 0.849                    |
|                  | 45.7-46.3   | 050046                 | 30.0     | 26.9     | 0.874                    |
|                  | 47.7-48.3   | 050048                 | 32.0     | 28.9     | 0.900                    |
|                  | 49.7-50.3   | 050050                 | 34.0     | 30.9     | 0.925                    |
|                  | 51.7-52.3   | 050052                 | 36.0     | 32.9     | 0.951                    |
|                  | 53.7-54.3   | 050054                 | 38.0     | 34.9     | 0.976                    |
|                  | 55.7-56.3   | 050056                 | 40.0     | 36.9     | 1.002                    |
|                  | 57.7-58.3   | 050058                 | 42.0     | 38.9     | 1.027                    |
|                  | 59.7-60.3   | 050060                 | 44.0     | 40.9     | 1.046                    |
|                  | 63.7-64.3   | 050064                 | 48.0     | 44.9     | 1.104                    |
|                  | 67.7-68.3   | 050068                 | 52.0     | 48.9     | 1.155                    |
|                  | 71.7-72.3   | -----                  | -----    | -----    | -----                    |
|                  | 75.7-76.3   | -----                  | -----    | -----    | -----                    |
|                  | 79.7-80.3   | -----                  | -----    | -----    | -----                    |
|                  | 83.7-84.3   | -----                  | -----    | -----    | -----                    |



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