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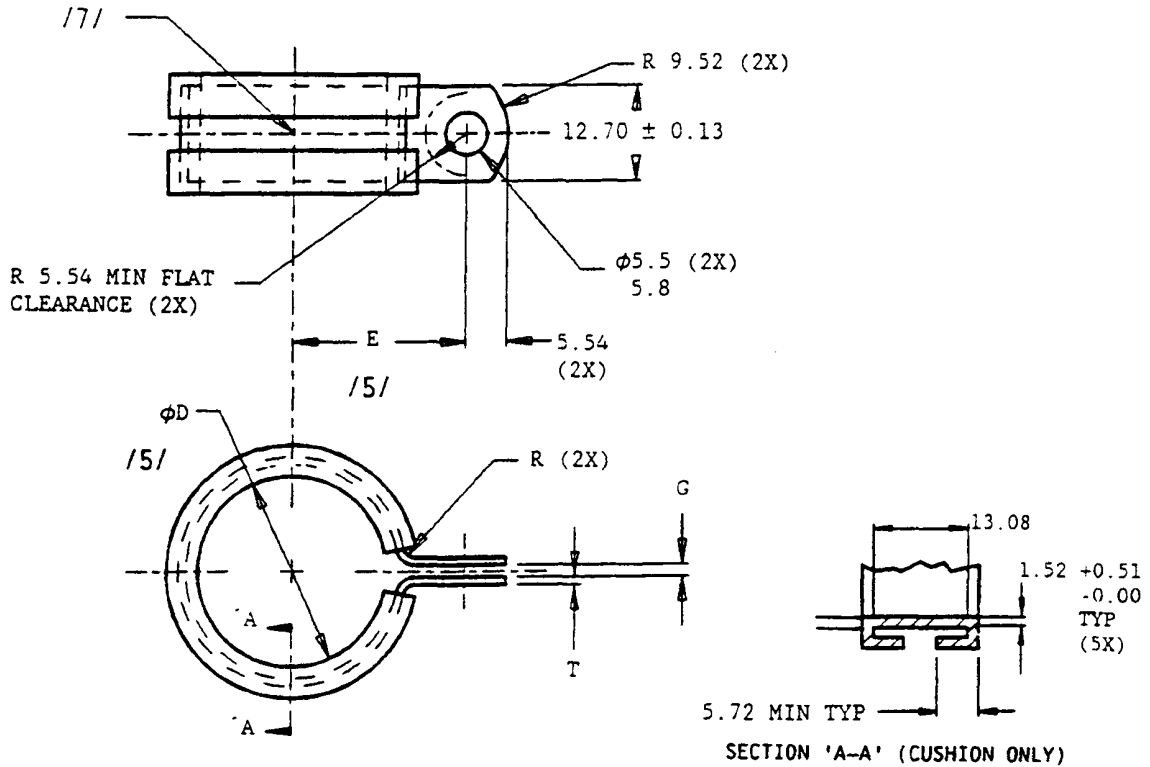
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MA2156/2

FEDERAL SUPPLY CLASS  
5340

# RATIONALE

MA2156/2 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.



NOTE: GEOMETRIC DIMENSIONING AND TOLERANCING ARE SUBJECT TO INTERPRETATION OF ANSI 14.5M-1982.

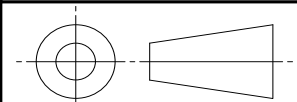
FIGURE 1

TABLE 1 - DIMENSIONAL TABULATION

| ØD Coded In<br>One Millimeter<br>Increments Ref | E<br>/5/      | G              | R     | T        |
|-------------------------------------------------|---------------|----------------|-------|----------|
| Tolerance                                       | ±0.38         | +0.79<br>-0.00 | ±0.38 | Per Spec |
| 006 to 012                                      | (D/2) + 10.21 | 1.57           | 1.57  | 0.813    |
| 013 to 026                                      | (D/2) + 10.41 | 1.57           | 1.57  | 1.016    |
| 027 to 051                                      | (D/2) + 12.44 | 3.18           | 3.43  | 1.295    |
| 052 to 102                                      | (D/2) + 13.56 | 3.18           | 3.43  | 1.626    |

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on this Technical Report, please visit  
<http://www.sae.org/technical/standards/MA2156/2>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3E

PROCUREMENT SPECIFICATION: MA2150



## AEROSPACE STANDARD

CLAMP, CENTER MOUNT, CUSHIONED,  
PHOSPHATE ESTER FLUID RESISTANT,  
METRIC

MA2156/2  
SHEET 1 OF 3

Documents

**GENERAL NOTES:**

1. MATERIALS: BAND - 321 STAINLESS STEEL, ANNEALED, PER AMS-5510

CUSHION - ETHYLENE PROPYLENE RUBBER, 65-75 DUROMETER, COLOR PURPLE, PER MA2150 WITH  
ADDITIONAL REQUIREMENTS SHOWN BELOW

CUSHION REQUIREMENTS: 1. PHYSICAL PROPERTIES - AS SPECIFIED IN TABLE 2. UNLESS OTHERWISE SPECIFIED  
RESULTS ARE AN AVERAGE OF 5 SPECIMENS AND TOLERANCE ON TEMPERATURE IS  
( $\pm 2.8^{\circ}\text{C}$ ). UNLESS OTHERWISE SPECIFIED PROPERTY MEASUREMENTS SHALL BE  
PERFORMED IMMEDIATELY AFTER REMOVAL FROM THE IMMERSION BATHS.

2. COMPRESSION SET - SEE MA2150  
- AIR AGE AT  $100^{\circ}\text{C}$   
- NOT TO EXCEED 30% AVERAGE OF 3 SPECIMENS

3. FLAMMABILITY - SEE MA2150  
- SPECIMENS - STANDARD ASTM TEST SLABS  
- HORIZONTAL BURN TEST

2. HEAT TREATMENT: NONE

3. BAND HARDNESS: 90 HRB

4. FINISH: BAND - PASSIVATE PER QQ-P-35

CUSHION - NONE

/5/ "D" DIAMETER IS THE SIZE A CLAMP IS INTENDED FOR USE. "D" DIAMETER AND DIMENSION "E" SHALL BE MEASURED  
WITH THE CLAMP INSTALLED ON A MANDREL OF "D" DIA  $\pm 0.025$  AND A SPACER EQUAL TO "G"  $\pm 0.013$  BETWEEN  
UPPER AND LOWER FOOT AS SHOWN.

6. PROCUREMENT SPECIFICATION: MA2150 (EXCEPT VIBRATION TEST)

/7/ IDENTIFICATION: MARK THE COMPLETE STANDARD PART NUMBER AND MANUFACTURER'S NAME, TRADEMARK  
OR CAGE NUMBER ON THE BAND ABOVE THE THEORETICAL CENTERLINE IN AN AREA NOT  
COVERED BY CUSHION PER AS478 (2A1)

8. SURFACE TEXTURE (SEE MA2150)

9. METAL BANDS SHALL HAVE ALL BURRS AND SHARP EDGES REMOVED

10. DIMENSIONS IN MILLIMETERS. UNLESS OTHERWISE SPECIFIED TOLERANCES: LINEAR DIMENSIONS  $\text{X.XX} \pm 0.25$ ,  
 $\text{X.X} \pm 0.76$ , ANGLES  $\pm 0.035$  RADIANS

|                                                                                     |                                                                               |                                 |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------|
|  | <b>AEROSPACE STANDARD</b>                                                     | <b>MA2156/2</b><br>SHEET 2 OF 3 |  |
|                                                                                     | CLAMP, CENTER MOUNT, CUSHIONED,<br>PHOSPHATE ESTER FLUID RESISTANT,<br>METRIC |                                 |                                                                                       |



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