

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

MA2155/5

RATIONALE

MA2155/5 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

FEDERAL SUPPLY CLASS
5340

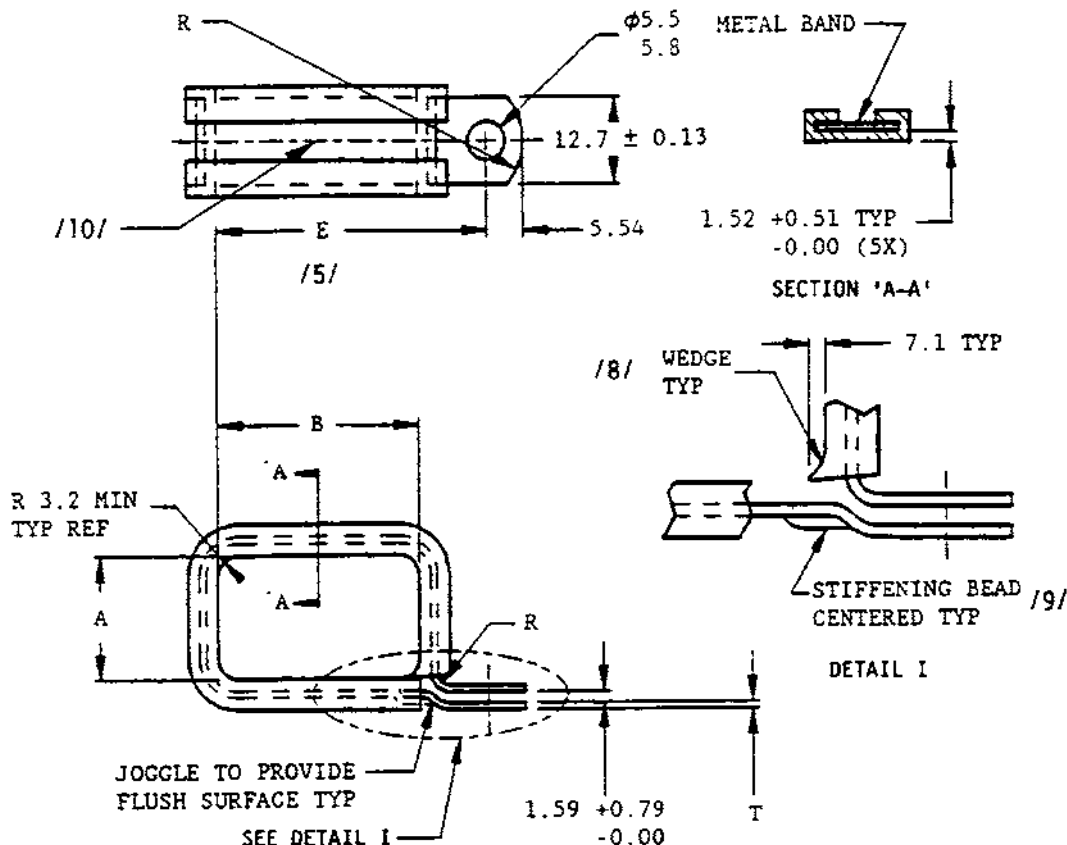


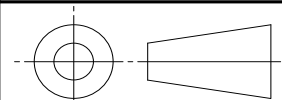
FIGURE 1

TABLE 1

A /7/ /14/	B /7/ /14/	E /5/	R	T
± 0.38	± 0.38	± 0.38	± 0.38	Per Spec
06 Min	13 Min	"B" Dim + 10.21	1.59	0.81
13 Max	24 Max	"B" Dim + 10.21	1.59	0.81
14 Min	13 Min	"B" Dim + 10.21	3.18	1.02
25 Max	38 Max	"B" Dim + 10.21	3.18	1.02
26 Min	13 Min	"B" Dim + 10.21	3.18	1.30
51 Max	76 Max	"B" Dim + 10.21	3.18	1.30

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/MA2155/5>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3E

PROCUREMENT SPECIFICATION: MA2150



AEROSPACE STANDARD

CLAMP, RECTANGULAR LOOP, CUSHIONED, WITH
WEDGE, HIGH TEMPERATURE, STAINLESS STEEL,
METRIC

MA2155/5
SHEET 1 OF 4

Documents

GENERAL NOTES:

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

CUSHION - FABRIC REINFORCED SILICONE RUBBER, 65-75 DUROMETER (ON UNREINFORCED MATERIAL), COLOR LIGHT BLUE, PER MA2155 WITH ADDITIONAL REQUIREMENTS SHOWN ON THIS SPECIFICATION SHEET. THE FABRIC REINFORCING MATERIAL SHALL BE MOLDED INTO THE BAND SIDE OF THE CLAMP CUSHION AT 0.785 RADIANS (45°) ANGLE (SEE FIGURE 2)



FIGURE 2 - CUSHION REINFORCEMENT

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 ($\pm 2.8^{\circ}\text{C}$).

2. COMPRESSION SET - SEE MA2150, PARAGRAPH 4.5.3.2

3. FLAMMABILITY - SEE MA2150, PARAGRAPH 4.5.3.3.2, VERTICAL BURN TEST

2. HEAT TREATMENT: NONE

3. BAND AND BASE HARDNESS: 90 HRB

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

CUSHION - NONE

/5/ DIMENSION "E" SHALL BE MEASURED WITH THE CLAMP INSTALLED ON A BAR OR MANDREL HAVING REQUIRED "A" AND "B" DIMENSIONS ± 0.03 AND A 1.59 ± 0.01 GAP SPACER BETWEEN THE UPPER AND LOWER FEET AS SHOWN

6. PROCUREMENT SPECIFICATION: MA2150 (EXCEPT VIBRATION TEST)

/7/ MINIMUM AND MAXIMUM "A" AND "B" DIMENSION CAN BE REVERSED

/8/ WEDGE SHALL BE REQUIRED ON ALL SIZES. THE WEDGE SHALL TOUCH CUSHION ON LOWER FOOT WITH CLAMP INSTALLED ON MANDREL OR BAR WITHOUT GAP SPACER.

/9/ STIFFENING BEAD SHALL BE REQUIRED ON ALL SIZES. ALL RADIUS ON THE STIFFENING BEAD SHALL BE SMOOTH AND BLENDED. NO SHARP TOOL MARKS SHALL BE ALLOWED.

/10/ 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)

	AEROSPACE STANDARD	MA2155/5 SHEET 2 OF 4	
	CLAMP, RECTANGULAR LOOP, CUSHIONED, WITH WEDGE, HIGH TEMPERATURE, STAINLESS STEEL, METRIC		



Documents

Document Sharing Hub