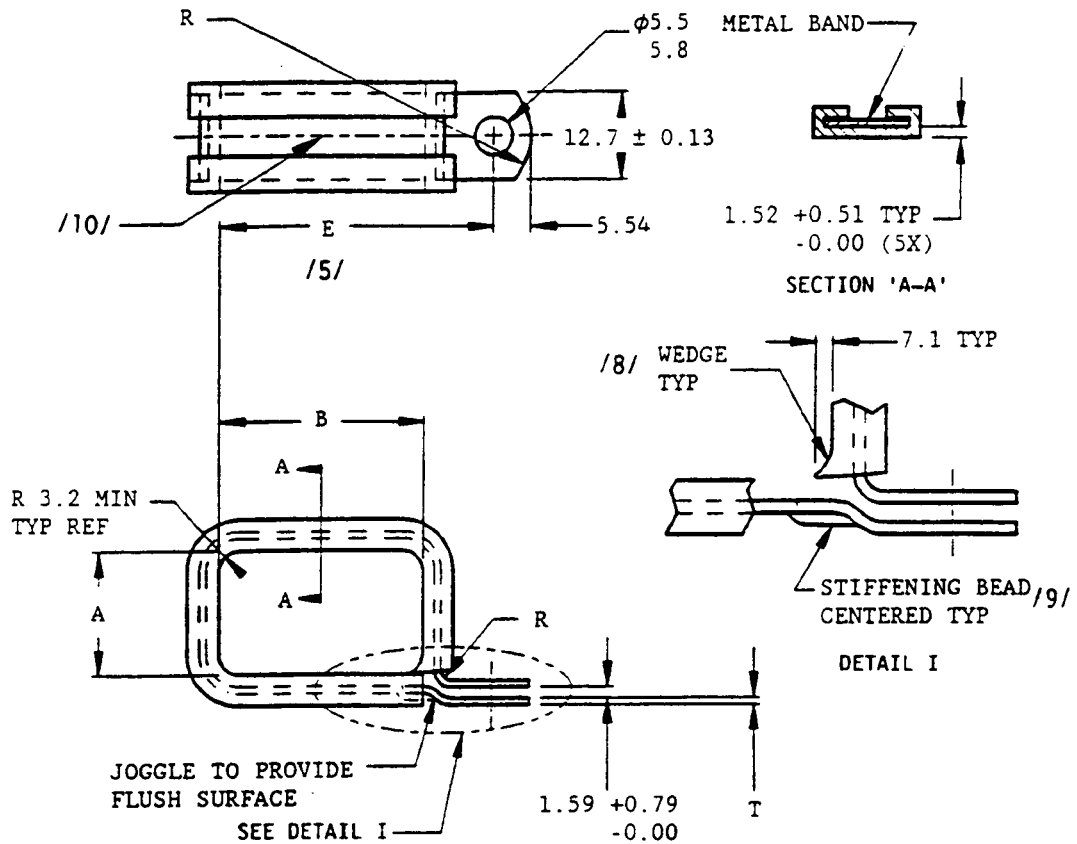


RATIONALE

MA2155/1 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.

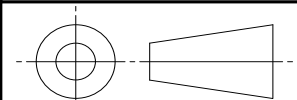
FIGURE 1

TABLE 1

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/MA2155/1>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3E

PROCUREMENT SPECIFICATION: MA2150



AEROSPACE STANDARD

CLAMP, RECTANGULAR LOOP, CUSHIONED,
WITH WEDGE, HYDROCARBON FLUID
RESISTANT, ALUMINUM, METRIC

MA2155/1
SHEET 1 OF 4

Documents

GENERAL NOTES:

1. MATERIALS: BAND - ALUMINUM ALLOY 2024-0 PER QQ-A-250/5

CUSHION - NITRILE BUTADIENE RUBBER, 65-75 DUROMETER, COLOR YELLOW, 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. OZONE RESISTANCE - REQUIRED PER MA2150

3. COMPRESSION SET - SEE MA2150
- AIR AGE AT 100°C
- NOT TO EXCEED 55% AVERAGE OF 3 SPECIMENS

4. FLAMMABILITY - SEE MA2150

2. HEAT TREATMENT: HEAT TREAT TO CONDITION T42 PER MIL-H-6088

3. BAND HARDNESS: 100 HB

4. FINISH: BAND - CHEMICAL FILM PER MIL-C-5541 CLASS 1A

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 RADII 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)

11. SURFACE TEXTURE (SEE MA2150)

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

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

	AEROSPACE STANDARD	MA2155/1 SHEET 2 OF 4	
	CLAMP, RECTANGULAR LOOP, CUSHIONED, WITH WEDGE, HYDROCARBON FLUID RESISTANT, ALUMINUM, METRIC		



Documents

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