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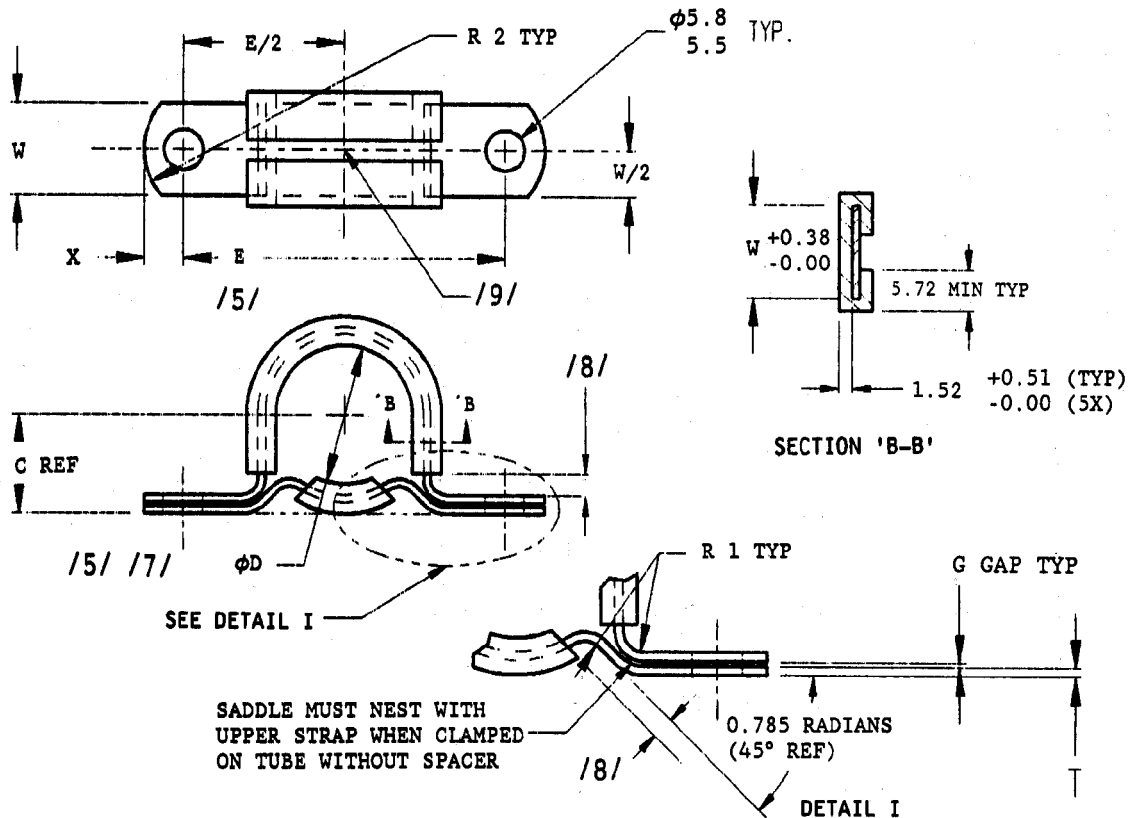
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MA2151/1

FEDERAL SUPPLY CLASS
5340

RATIONALE

MA2151/1 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

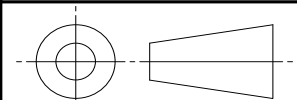


NOTE: GEOMETRIC DIMENSIONING AND TOLERANCING ARE SUBJECT TO INTERPRETATION OF ANSI 14.5M-1982.

FIGURE 1

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on this Technical Report, please visit
<http://www.sae.org/technical/standards/MA2151/1>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3E

PROCUREMENT SPECIFICATION: MA2151



AEROSPACE STANDARD

CLAMP, SADDLE TYPE, CUSHIONED,
HYDROCARBON FLUID RESISTANT, METRIC

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TABLE 1 - DIMENSIONAL TABULATION

Size Code	Ø D Nom mm Tolerance	C Ref	E ±0.38	G ±0.03	R ₁ ±0.25	R ₂ ±0.76	T Per Spec	W ±0.13	X ±0.25
-014	14.00	11.57	36.86	0.51	2.29	9.53	1.02	12.70	5.54
-016	16.00	12.57	38.86	0.51	2.29	9.53	1.02	12.70	5.54
-018	18.00	13.57	40.86	0.51	2.29	9.53	1.02	12.70	5.54
-020	20.00	14.57	42.86	0.51	2.29	9.53	1.02	12.70	5.54
-022	22.00	15.57	44.86	0.51	2.29	9.53	1.02	12.70	5.54
-025	25.00	17.33	49.33	0.76	2.77	9.53	1.27	15.88	6.35
-028	28.00	18.83	52.33	0.76	2.77	9.53	1.27	15.88	6.35
-032	32.00	20.83	56.33	0.76	2.77	12.70	1.27	15.88	6.35
-036	36.00	22.83	60.33	0.76	2.77	12.70	1.27	15.88	6.35
-040	40.00	24.83	64.33	0.76	2.77	12.70	1.27	15.88	6.35
-045	45.00	27.66	70.81	0.76	3.18	12.70	1.59	19.05	6.35
-050	50.00	30.16	75.81	0.76	3.18	12.70	1.59	19.05	6.35
-056	56.00	33.16	81.81	0.76	3.18	12.70	1.59	19.05	6.35
-063	63.00	36.66	88.81	0.76	3.18	12.70	1.59	19.05	6.35
-070	70.00	40.16	95.81	0.76	3.18	12.70	1.59	19.05	6.35
-080	80.00	45.16	105.81	0.76	3.18	12.70	1.59	19.05	6.35
-090	90.00	50.16	115.81	0.76	3.18	12.70	1.59	19.05	6.35
-100	100.00	55.16	125.81	0.76	3.18	12.70	1.59	19.05	6.35

GENERAL NOTES:

1. MATERIALS: BAND AND BASE - 321 CORROSION RESISTANT STEEL PER AMS-5510, EXCEPT THAT A MINIMUM TENSILE STRENGTH OF 655.0 MPa SHALL BE REQUIRED.

CUSHION - NITRILE BUTADIENE RUBBER, 65-75 DUROMETER, COLOR YELLOW, PER MA2151 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 MA2151
 3. COMPRESSION SET - SEE MA2151
 - AIR AGE AT 100°C
 - NOT TO EXCEED 55% AVERAGE OF 3 SPECIMENS
 4. FLAMMABILITY - SEE MA2151
 - SPECIMENS: SIZE (-25) CLAMP ASSEMBLIES UNBENT UNTIL FLAT
 - VERTICAL BURN TEST



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