

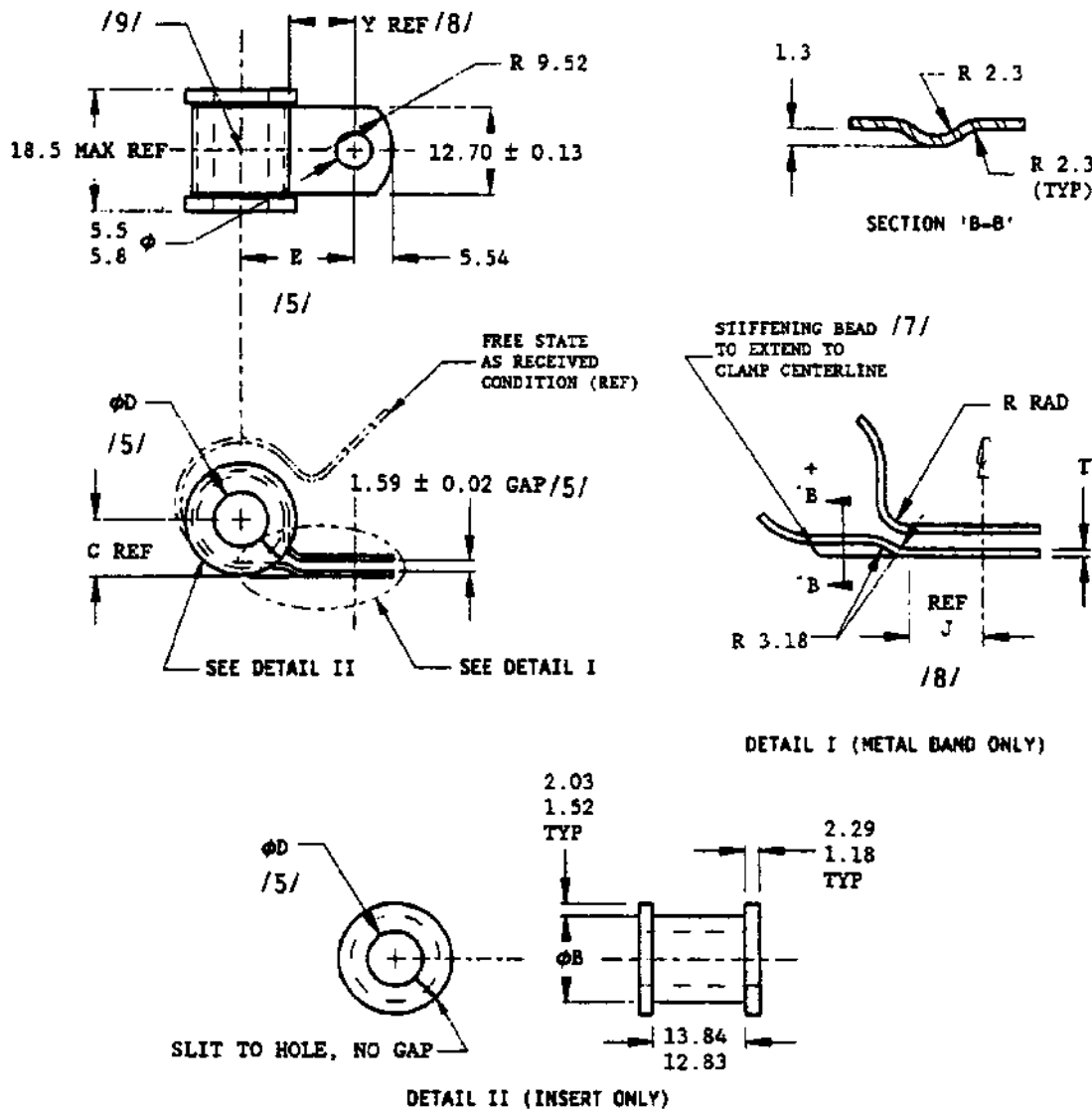
RATIONALE

MA2150/7 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

MA2150/7

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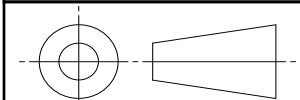


NOTE: GEOMETRIC DIMENSIONING AND TOLERANCING ARE SUBJECT TO INTERPRETATION OF ANSI 14.5M-1982.

FIGURE 1

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/MA2150/7>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3E

PROCUREMENT SPECIFICATION: MA2150



AEROSPACE STANDARD

CLAMP, LOOP STYLE, WITH INSERT,
HIGH TEMPERATURE, METRICMA2150/7
SHEET 1 OF 4

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TABLE 1 - DIMENSIONAL TABULATION

Size Code	ϕ D Nom mm	ϕ B	C	E	J	R Rad	T	Y
	Tolerances	± 0.51	Ref	± 0.38	Ref	± 0.25	Per Spec	Ref
03	3.2	9.53	6.35	15.06	5.97	2.29	0.51	8.26
04	4.0	9.53	6.35	15.06	5.97	2.29	0.51	8.26
05	5.0	12.70	7.94	16.64	5.97	2.29	0.51	8.26
06	6.0	12.70	7.94	16.64	5.97	2.29	0.51	8.26
07	7.0	12.70	7.94	16.64	5.97	2.29	0.51	8.26
08	8.0	12.70	7.94	16.64	5.97	2.29	0.51	8.26

GENERAL NOTES:

1. MATERIALS: BAND - 17-7PH, CORROSION RESISTANT STEEL PER AMS-5528, ANNEALED

INSERT - SILICONE RUBBER, UNREINFORCED, 65-75 DUROMETER, COLOR LIGHT BLUE, PER MA2150
WITH ADDITIONAL REQUIREMENTS SHOWN BELOW

INSERT REQUIREMENTS: 1. PHYSICAL PROPERTIES - AS SPECIFIED IN TABLE 2. UNLESS OTHERWISE SPECIFIED
RESULTS ARE AN AVERAGE OF 5 SPECIMENS AND TOLERANCE ON TEMPERATURE IS
(± 2.8 °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: BAND - STRESS RELIEVE AND HEAT TREAT TO CONDITION TH1100 PER MIL-H-6875 AFTER
FORMING.

INSERT - NONE

3. CLAMP BAND HARDNESS: 51-59 HR30N (SEE PROCUREMENT SPECIFICATION)

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

INSERT - NONE

- /5/ DIAMETER "D" IS THE NOMINAL DIAMETER FOR WHICH A CLAMP SIZE IS INTENDED FOR USE. DIMENSION "E" SHALL
BE MEASURED WITH THE CLAMP INSTALLED ON A MANDREL OF "D" DIAMETER ± 0.025 AND A 1.59 ± 0.013 GAP
SPACER BETWEEN UPPER AND LOWER FOOT AS SHOWN.

6. PROCUREMENT SPECIFICATION: MA2150

- /7/ STIFFENING BEAD SHALL BE REQUIRED ON ALL SIZES. ALL RADII ON THE STIFFENING BEAD SHALL BE SMOOTH AND
BLENDED. NO SHARP TOOL MARKS ARE ALLOWED.



AEROSPACE STANDARD

CLAMP, LOOP STYLE, WITH INSERT,
HIGH TEMPERATURE, METRIC

MA2150/7
SHEET 2 OF 4



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