

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."

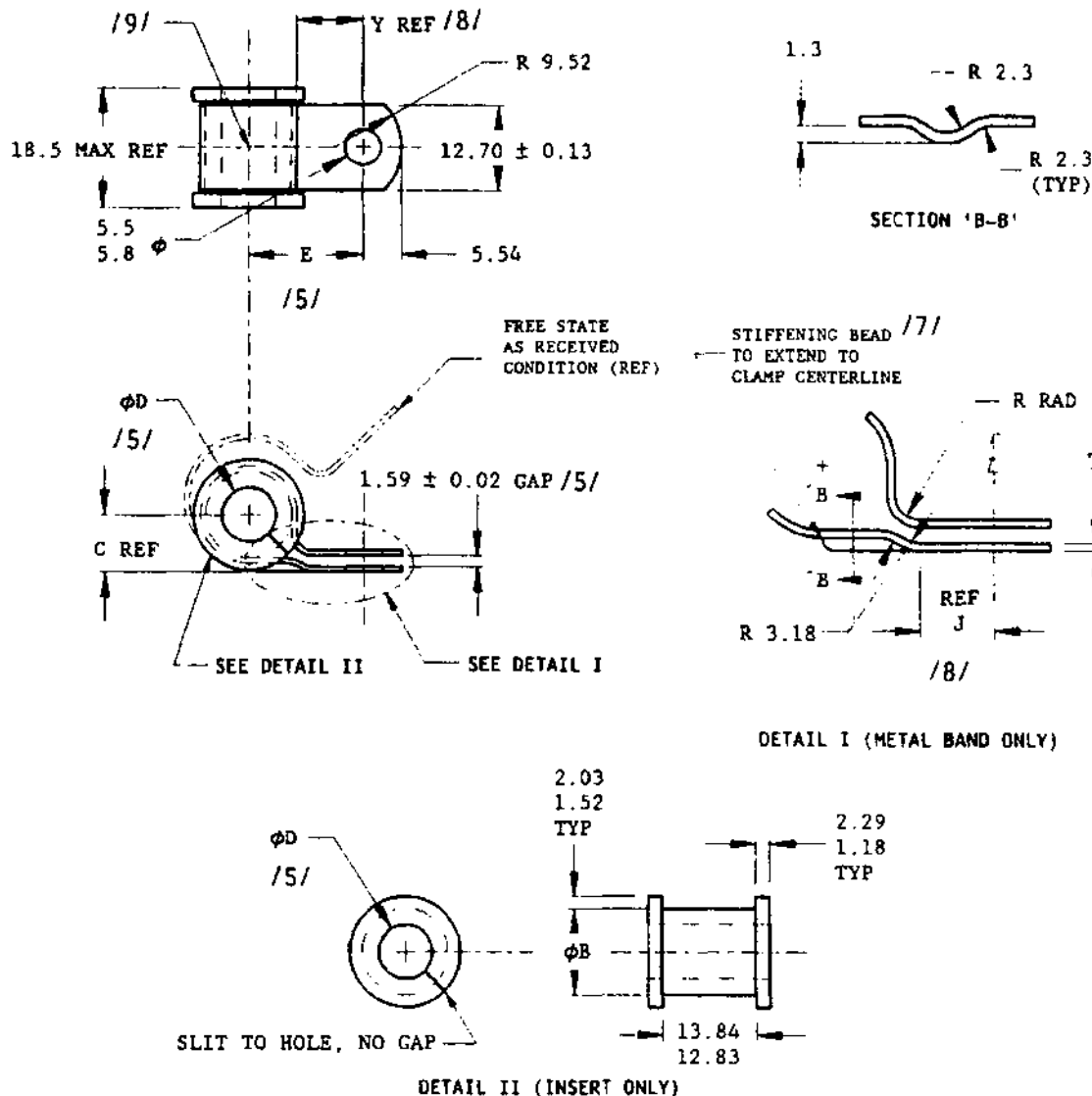
SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

MA2150/5

FEDERAL SUPPLY CLASS
5340

RATIONALE

MA2150/5 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

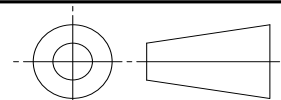


NOTE: GEOMETRIC DIMENSIONING AND TOLERANCING ARE SUBJECT TO INTERPRETATION OF ANSI 14.5M-1982.

FIGURE 1

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/MA2150/5>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3E

PROCUREMENT SPECIFICATION: MA2150



AEROSPACE STANDARD

CLAMP, LOOP STYLE, WITH INSERT,
HYDROCARBON FLUID RESISTANT, METRIC

MA2150/5
SHEET 1 OF 4

Documents

TABLE 1 - DIMENSIONAL TABULATION

Size Code	ϕ D Nom	ϕ B ± 0.51	C Ref	E ± 0.38	J Ref	R		Y Ref
	mm Tolerances					Rad ± 0.25	T Per Spec	
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 - NITRILE BUTADIENE RUBBER, 65-75 DUROMETER, COLOR YELLOW, 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). 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: 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.



AEROSPACE STANDARD

CLAMP, LOOP STYLE, WITH INSERT,
HYDROCARBON FLUID RESISTANT, METRIC

MA2150/5
SHEET 2 OF 4



Documents

Document Sharing Hub