

REV. A

AS85052/3

FEDERAL SUPPLY CLASS
5340

RATIONALE

AS85052/3A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

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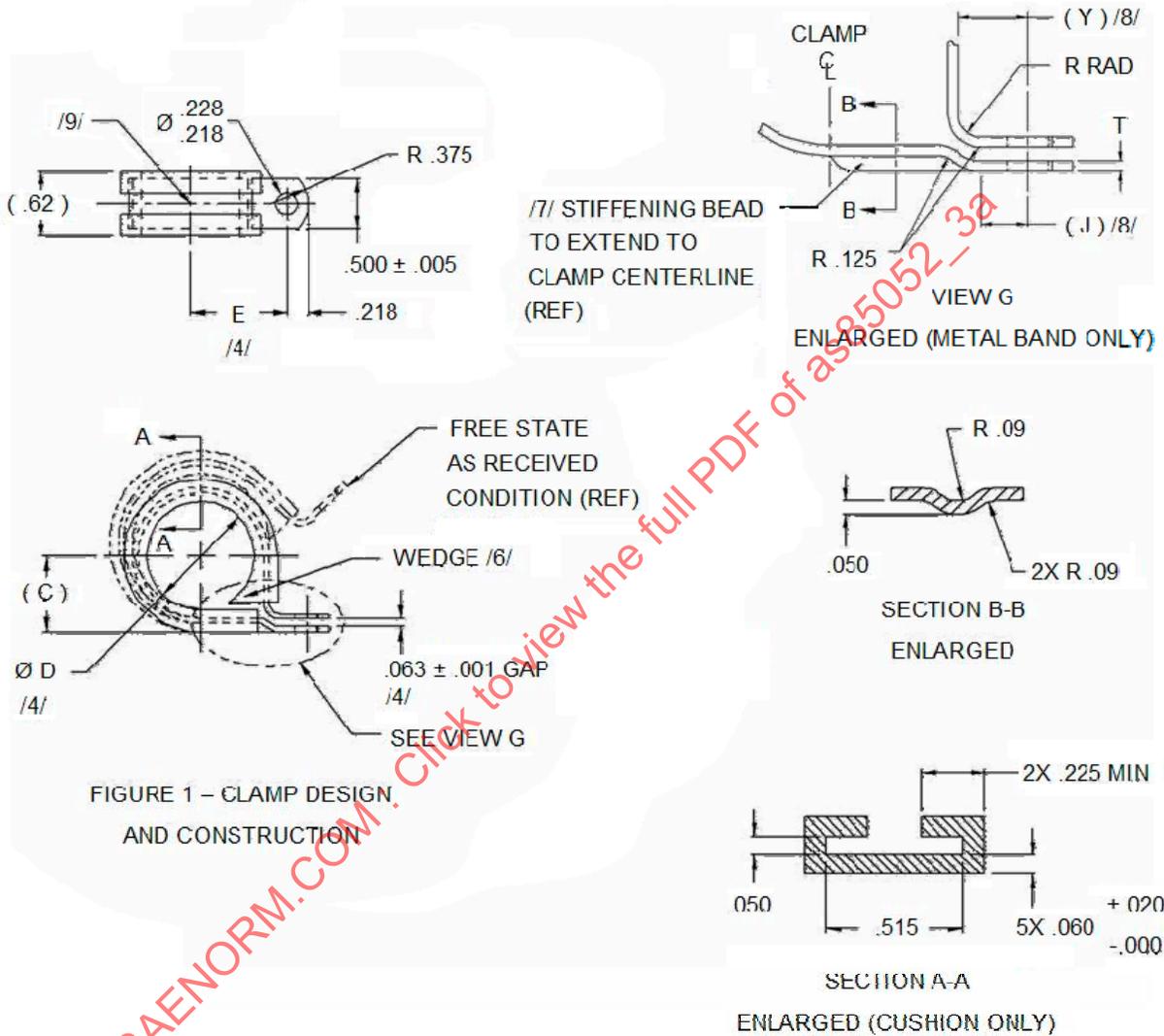
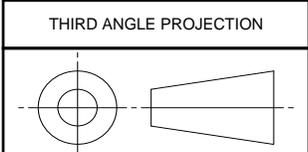


FIGURE 1 - CLAMP DESIGN AND CONSTRUCTION

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CUSTODIAN: G-3/G-3E

PROCUREMENT SPECIFICATION: AS85052 /5/



AEROSPACE STANDARD

(R) CLAMP, LOOP, TUBE 17-7 PH CRES, 500 °F

AS85052/3
SHEET 1 OF 3

REV. A

ISSUED 2001-03 REVISED 2008-08 REAFFIRMED 2015-04

TABLE 1 - CLAMP DIMENSIONS

BASIC NO. AS85052/3 SIZE CODE /13/	TUBE SIZE	(C)	ØD	E ±.032	(J)	R RAD ±.010	T TOLERANCE PER AMS2242	(Y)
-02	.125	.192	.125	.468	—	.090	.020	.325
-03	.188	.224	.188	.499	—	.090	.020	.325
-04	.250	.255	.250	.530	.235	.090	.020	.325
-05	.312	.286	.312	.561	.235	.090	.020	.325
-06	.375	.318	.375	.592	.235	.090	.020	.325
-07	.438	.349	.438	.624	.235	.090	.020	.325
-08	.500	.380	.500	.655	.235	.090	.020	.325
-09	.562	.423	.562	.741	.256	.125	.032	.368
-10	.625	.454	.625	.772	.256	.125	.032	.368
-11	.688	.486	.688	.804	.256	.125	.032	.368
-12	.750	.517	.750	.835	.256	.125	.032	.368
-13	.812	.548	.812	.866	.256	.125	.032	.368
-14	.875	.580	.875	.898	.256	.125	.032	.368
-15	.938	.611	.938	.929	.256	.125	.032	.368
-16	1.000	.642	1.000	.960	.256	.125	.032	.368
-17	1.062	.681	1.062	1.001	.262	.125	.040	.370
-18	1.125	.712	1.125	1.032	.262	.125	.040	.370
-19	1.188	.744	1.188	1.064	.262	.125	.040	.370
-20	1.250	.775	1.250	1.095	.262	.125	.040	.370
-21	1.312	.806	1.312	1.126	.262	.125	.040	.370
-22	1.375	.838	1.375	1.158	.262	.125	.040	.370
-23	1.438	.869	1.438	1.189	.262	.125	.040	.370
-24	1.500	.900	1.500	1.220	.262	.125	.040	.370

NOTES:

1. MATERIALS: BAND - 17-7PH, CORROSION RESISTANT STEEL PER AMS5528 OR AMS5529, ANNEALED
- CUSHION - FABRIC REINFORCED SILICONE RUBBER, 65-75 DUROMETER (ON UNREINFORCED MATERIAL), COLOR LIGHT BLUE, PER AMS3316 WITH ADDITIONAL REQUIREMENTS SHOWN ON THIS SPECIFICATION SHEET. THE FABRIC REINFORCING MATERIAL SHALL BE MOLDED INTO THE BAND SIDE OF THE CLAMP CUSHION AT (45°) ANGLE (SEE FIGURE 2)

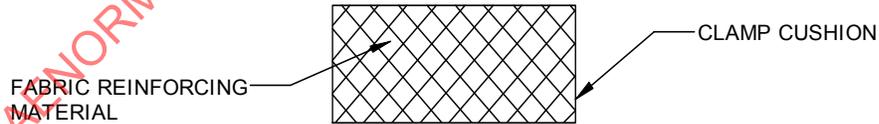


FIGURE 2 - CUSHION REINFORCEMENT

2. HEAT TREATMENT: BAND - STRESS RELIEVE AND HEAT TREAT TO CONDITION TH1100 PER AMS2759/3 AFTER FORMING.
- CUSHION - NONE
3. FINISH: BAND - REMOVE SCALE. PASSIVATE PER AMS2700 TYPE 2 OR 8.
- CUSHION - NONE

	AEROSPACE STANDARD	AS85052/3 SHEET 2 OF 3	REV. A
	(R) CLAMP, LOOP, TUBE 17-7 PH CRES, 500 °F		