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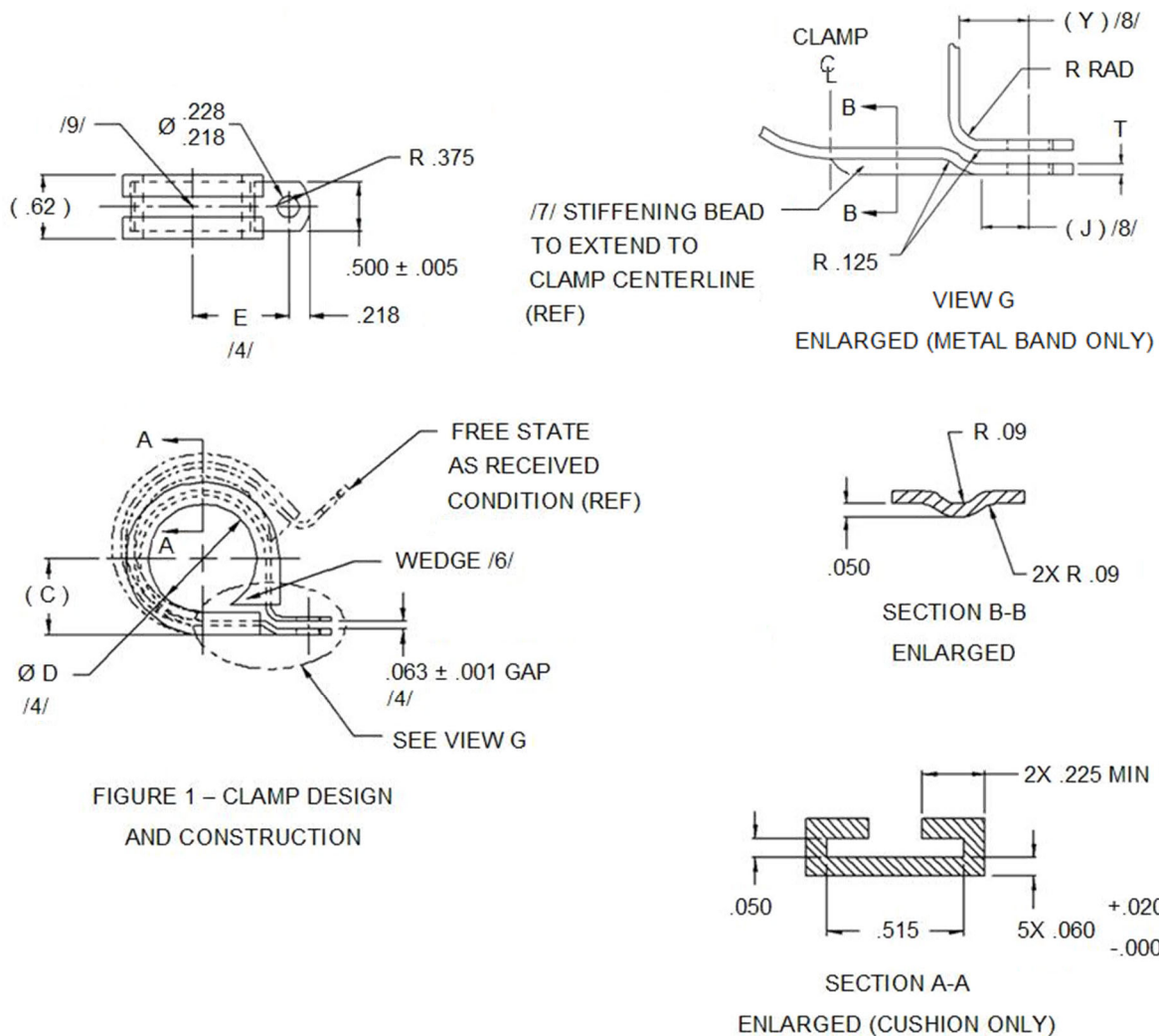
REV.
B

AS85052™/1

FEDERAL SUPPLY CLASS
5340

RATIONALE

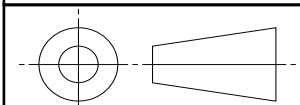
EXISTING QPL NOTE REVISED TO THE LATEST STANDARDIZED QML REQUIREMENT NOTE. INVENTORIED PARTS DISPOSITION NOTE ADDED.



For more information on this standard, visit

<https://www.sae.org/standards/content/AS85052/1B/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3E

PROCUREMENT SPECIFICATION: AS85052 /5/



AEROSPACE STANDARD

CLAMP, LOOP, TUBE, 17-7PH, 275 °F,
FUEL AND PETROLEUM BASED
HYDRAULIC FLUID RESISTANT

AS85052™/1
SHEET 1 OF 3

REV.
B



Documents

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TABLE 1 - CLAMP DIMENSIONS

BASIC NO. AS85052/1 SIZE CODE	TUBE SIZE	(C)	Ø D	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 - NITRILE BUTADIENE RUBBER, 65-75 DUROMETER, COLOR YELLOW, PER AMS3224
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
- /4/ DIAMETER "D" IS THE NOMINAL DIAMETER FOR WHICH A CLAMP SIZE IS INTENDED FOR USE. DIAMETER "D" SHALL BE VERIFIED BY THE "DIAMETER RETENTION" TEST OF THE PROCUREMENT SPECIFICATION. DIMENSION "E" SHALL BE MEASURED WITH THE CLAMP INSTALLED ON A MANDREL OF "D" DIAMETER ±.001 AND A .063 ± .001 GAP SPACER BETWEEN UPPER AND LOWER FOOT AS SHOWN.
- /5/ PROCUREMENT SPECIFICATION: AS85052 EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT MANUFACTURED TO THIS STANDARD SHALL MEET THE REQUIREMENTS SPECIFIED HEREIN AND THE PROCUREMENT SPECIFICATION. ORIGINAL COMPONENT MANUFACTURERS (OCM) AND VALUE ADDED DISTRIBUTORS (VAD) SHALL BE LISTED IN THE NADCAP QUALIFIED MANUFACTURER LIST (QML) FOR THIS PRODUCT TYPE. THE QML IS AVAILABLE AT www.eAuditNet.com.
- /6/ WEDGE SHALL BE REQUIRED ON SIZE -06 AND LARGER. THE WEDGE SHALL BE MOLDED AS AN INTEGRAL PART OF THE CUSHION AND CONTOURED TO FIT "D" DIAMETER. WEDGE MUST TOUCH CUSHION ON LOWER FOOT WITH CLAMP INSTALLED ON A MANDREL WITHOUT SPACER.

	AEROSPACE STANDARD	AS85052™/1 SHEET 2 OF 3	REV. B 
	CLAMP, LOOP, TUBE, 17-7PH, 275 °F, FUEL AND PETROLEUM BASED HYDRAULIC FLUID RESISTANT		

