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REV.
A

AS85449™/1

RATIONALE

FEDERAL SUPPLY CLASS
5340

EXISTING QPL NOTE REVISED TO THE LATEST STANDARDIZED QML REQUIREMENT NOTE. INVENTORIED PARTS DISPOSITION NOTE ADDED. CHANGE BAR NOTE ADDED. GENERAL UPDATES INCLUDED.

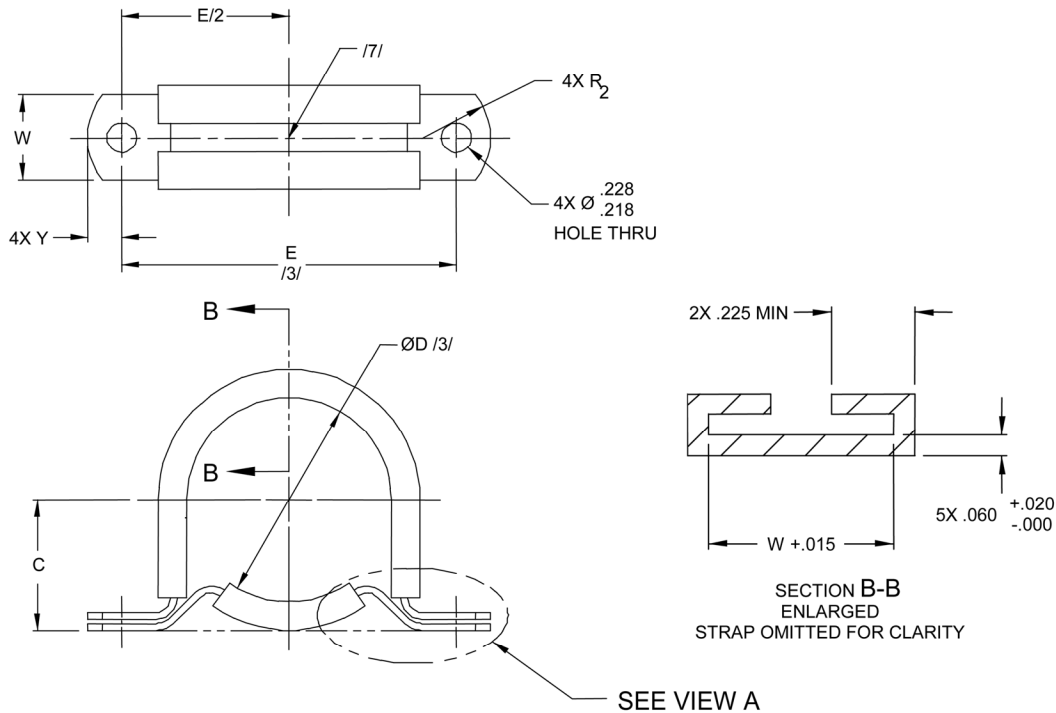
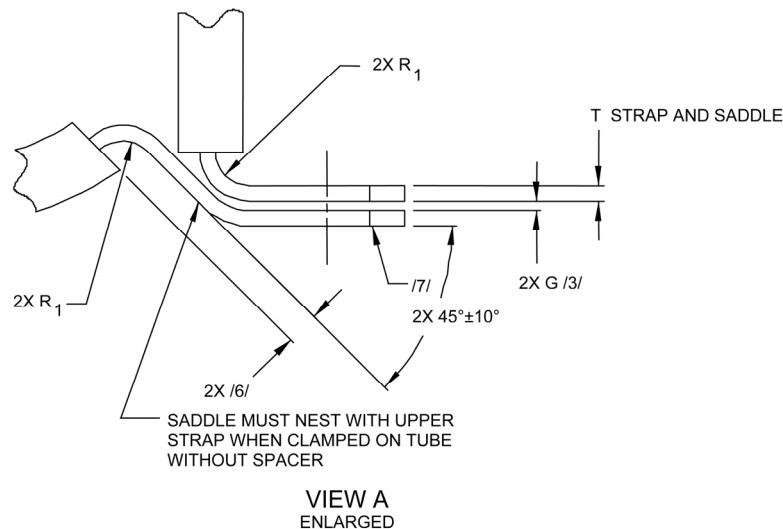
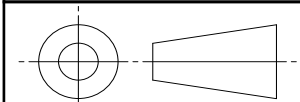


FIGURE 1 - CLAMP



For more information on this standard, visit
<https://www.sae.org/standards/content/AS85449/1A/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3

PROCUREMENT SPECIFICATION: AS85449 /4/



AEROSPACE STANDARD

CLAMP ASSEMBLY, SADDLE TYPE,
CUSHIONED, FUEL AND PETROLEUM
BASED HYDRAULIC FLUID

AS85449™/1
SHEET 1 OF 3

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TABLE 1 - CLAMP DIMENSIONS

BASIC NO. AS85449/1	TUBE SIZE	C	D	E	G	R ₁	R ₂	T TOLERANCE	W	Y
SIZE CODE /11/	REF	±.030		±.015	±.001	±.020	±.03	PER AMS2242		
-10	.625	.493	.625	1.525	.020	.090	.37	.040	.500	.218
-12	.750	.555	.750	1.650	.020	.090	.37	.040	.500	.218
-14	.875	.618	.875	1.775	.020	.090	.37	.040	.500	.218
-16	1.000	.690	1.000	1.958	.030	.109	.50	.050	.625	.250
-18	1.125	.753	1.125	2.083	.030	.109	.50	.050	.625	.250
-20	1.250	.815	1.250	2.208	.030	.109	.50	.050	.625	.250
-24	1.500	.940	1.500	2.458	.030	.109	.50	.050	.625	.250
-28	1.750	1.065	1.750	2.708	.030	.109	.50	.050	.625	.250
-32	2.000	1.203	2.000	3.016	.030	.125	.50	.063	.750	.250
-36	2.250	1.328	2.250	3.266	.030	.125	.50	.063	.750	.250
-40	2.500	1.453	2.500	3.516	.030	.125	.50	.063	.750	.250
-44	2.750	1.578	2.750	3.766	.030	.125	.50	.063	.750	.250
-48	3.000	1.703	3.000	4.016	.030	.125	.50	.063	.750	.250

NOTES:

1. MATERIALS: STRAP AND BASE: CRES 321 SHEET PER AMS5510, EXCEPT THAT A MINIMUM TENSILE STRENGTH OF 100 KSI SHALL BE REQUIRED.
CUSHION: NITRILE BUTADIENE RUBBER, 65-75 DUROMETER, COLOR YELLOW, PER AMS3224 AND WITH OZONE RESISTANCE REQUIREMENT PER AS85449.
2. FINISH: STRAP AND BASE: PASSIVATE PER AMS2700, TYPE 6 OR 7.
CUSHION: NONE.
- /3/ THE "D" AND "E" DIMENSION WILL BE MEASURED WITH MANDREL CLAMPED AND A "G" DIMENSION THICKNESS SPACER BETWEEN THE CLAMP FEET. "G" DIMENSION IS FOR THICKNESS OF SHIM REQUIRED TO INSPECT ASSEMBLED CLAMP.
- /4/ PROCUREMENT SPECIFICATION: AS85449 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.
5. WITH CLAMP ASSEMBLED ON TUBE, NO GAP IS PERMITTED BETWEEN CUSHION AND TUBE FOR UPPER HALF OF STRAP AND CUSHIONED LENGTH OF SADDLE BASE.
- /6/ WITH CUSHION PUSHED TO EITHER END OF STRAP, SUFFICIENT CUSHION SHALL BE AVAILABLE TO PREVENT STRAP FROM CONTACTING TUBE.
- /7/ IDENTIFICATION: MARK THE COMPLETE STANDARD PART NUMBER AND MANUFACTURER'S NAME, TRADEMARK OR CAGE CODE ON STRAP, IN AN AREA NOT COVERED BY THE CUSHION AND SHALL BE VISIBLE PER AS478, METHOD 2A1. THE SADDLE SHALL HAVE THE DASH SIZE IMPRESSION STAMPED IN THE VICINITY OF THE MOUNTING HOLE AWAY FROM ANY BEND RADII.
8. REMOVE ALL BURRS AND SHARP EDGES.
9. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±0°30'.

	AEROSPACE STANDARD	AS85449™/1 SHEET 2 OF 3	REV. A
	CLAMP ASSEMBLY, SADDLE TYPE, CUSHIONED, FUEL AND PETROLEUM BASED HYDRAULIC FLUID		


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