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AS8443™

NEW PART STANDARD.

RATIONALE

FEDERAL SUPPLY CLASS
5340

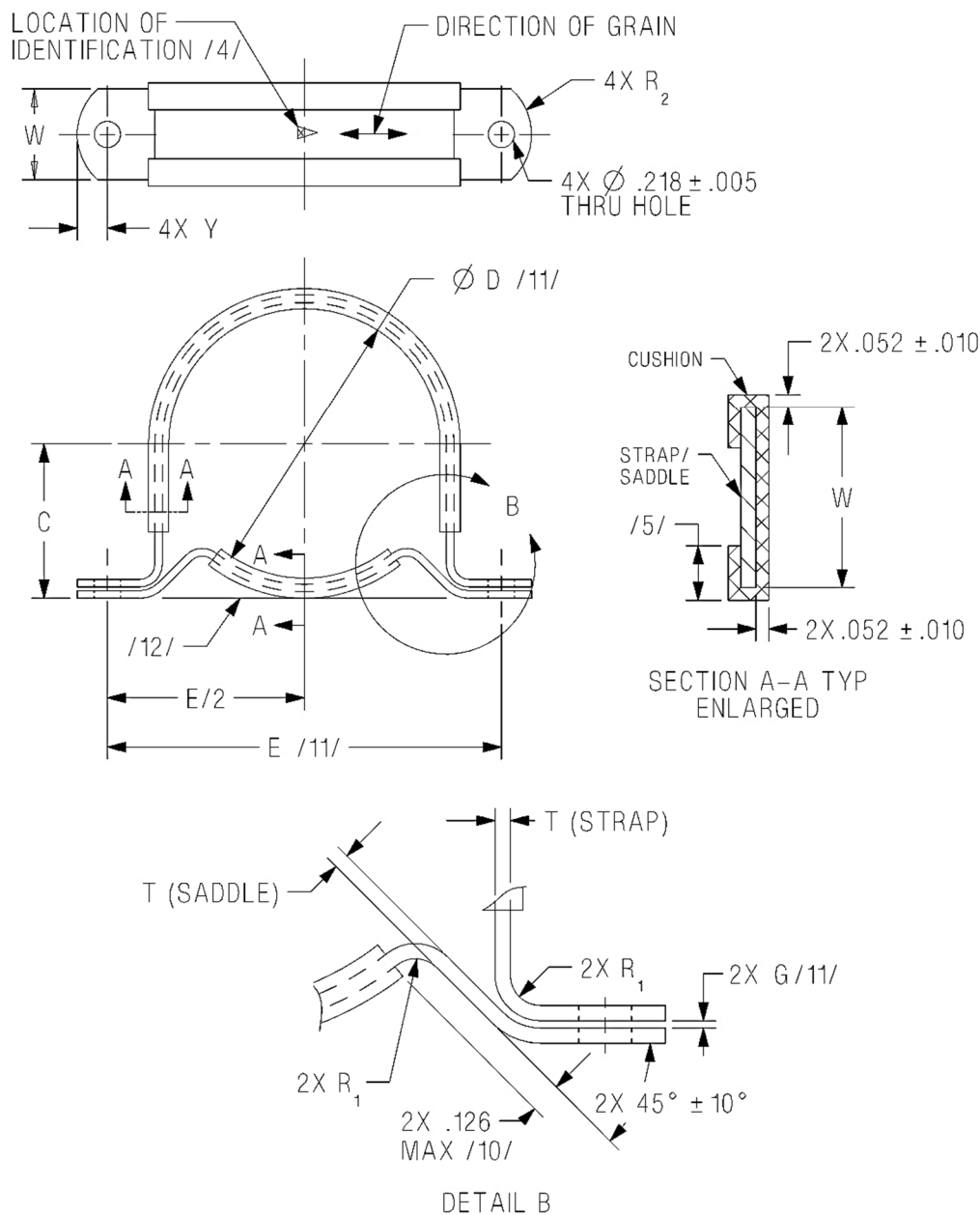
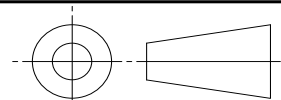


FIGURE 1 - CLAMP, SADDLE

SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS8443>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3E

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

CLAMP ASSEMBLY, SADDLE TYPE, CUSHIONED

AS8443™
SHEET 1 OF 4

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TABLE 1 - CLAMP DIMENSIONS

BASIC NO. AS8443 /15/ SIZE CODE	TUBE OD REF	C ±.030	D DIA /11/	E ±.015 /11/	G ±.001 /11/	R ₁ ±.010 /12/	R ₂ ±.010	T TOLERANCE PER AMS2262	W +.015 -.000	Y ±.010
10	.625	.477	.625	1.525	.020	.090	.375	.040	.500	.218
12	.750	.539	.750	1.650	.020	.090	.375	.040	.500	.218
14	.875	.602	.875	1.775	.020	.090	.375	.040	.500	.218
16	1.000	.684	1.000	1.958	.030	.109	.500	.050	.625	.250
18	1.125	.747	1.125	2.083	.030	.109	.500	.050	.625	.250
20	1.250	.809	1.250	2.208	.030	.109	.500	.050	.625	.250
24	1.500	.934	1.500	2.458	.030	.109	.500	.050	.625	.250
28	1.750	1.059	1.750	2.708	.030	.109	.500	.050	.625	.250
32	2.000	1.197	2.000	3.016	.030	.125	.500	.063	.750	.250
36	2.250	1.322	2.250	3.266	.030	.125	.500	.063	.750	.250
40	2.500	1.447	2.500	3.516	.030	.125	.500	.063	.750	.250
44	2.750	1.572	2.750	3.766	.030	.125	.500	.063	.750	.250
48	3.000	1.697	3.000	4.016	.030	.125	.500	.063	.750	.250

NOTES:

1. INTENDED USE: THIS SAE AEROSPACE STANDARD PROVIDES TECHNICAL AND DIMENSIONAL REQUIREMENTS FOR TUBE SUPPORTS AT TEMPERATURES UP TO 554 °F (290 °C), BUT USAGE IS NOT LIMITED TO SUCH APPLICATIONS.
2. MATERIAL:

STRAP AND SADDLE: TYPE 625 NICKEL ALLOY SHEET METAL PER AMS5599.

CUSHION: POLYBENZIMIDAZOLE (PBI) POLYIMIDE FIBERGLASS PER AMS3677.
3. SURFACE IRREGULARITIES FOR SHEET METAL:
 - a. MAXIMUM DEPTH SHALL NOT EXCEED .006 INCH.
 - b. MAXIMUM LENGTH SHALL NOT EXCEED .25 INCH.
 - c. MAXIMUM COMBINED LENGTH PER PART SHALL NOT EXCEED 1.0 INCH.
 - d. MINIMUM SPACING: .10 INCH.
 - e. BURNISH MARKS WITH NO MEASURABLE DEPTH ARE ACCEPTABLE.
- /4/ IDENTIFICATION AT LOCATION SHOWN: MARK PER AS478 METHODS 2A1, 2B1, 2F, 15A, OR 15B: MANUFACTURER'S NAME OR CAGE CODE AND COMPLETE PART NUMBER. IN ADDITION TO PERMANENT MARKING BAG AND TAG RETAINED ASSEMBLY PER METHOD 35 IS PERMITTED. SEE NOTE /9/.
- /5/ BOX TYPE CUSHION IS PERMITTED PROVIDED THE OPENING ON THE STRAP IS SUFFICIENT AS TO PERMIT READING OF PART MARKING.
6. METAL PARTS SHALL HAVE ALL BURRS AND SHARP EDGES REMOVED.

	AEROSPACE STANDARD		AS8443™ SHEET 2 OF 4
	CLAMP ASSEMBLY, SADDLE TYPE, CUSHIONED		



