

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.

AS5763

FEDERAL SUPPLY CLASS
5340

RATIONALE

AS5763 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

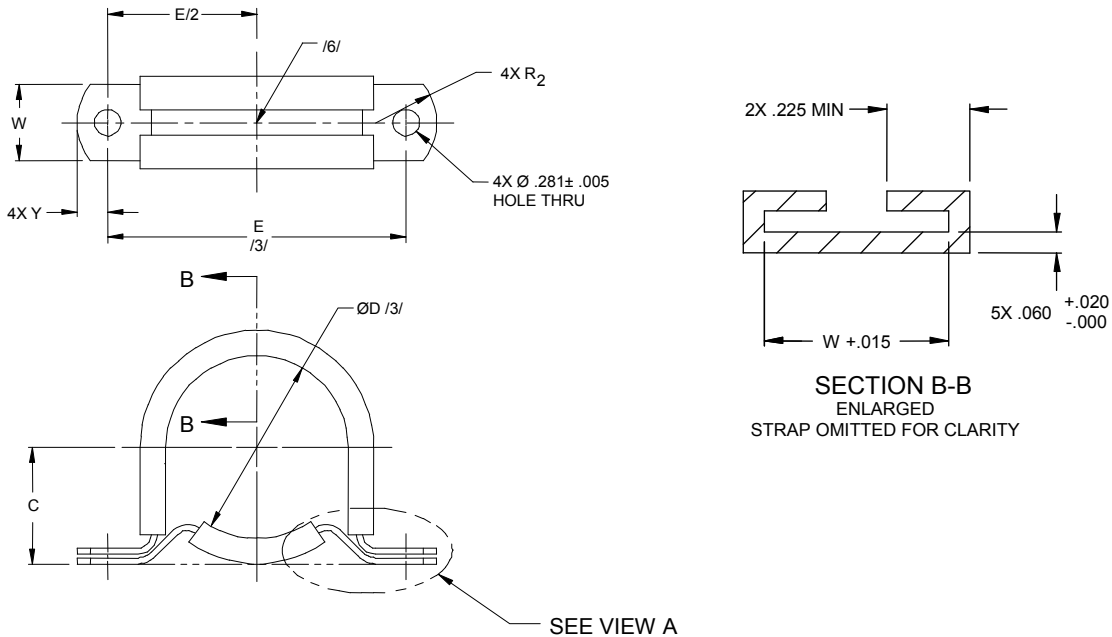
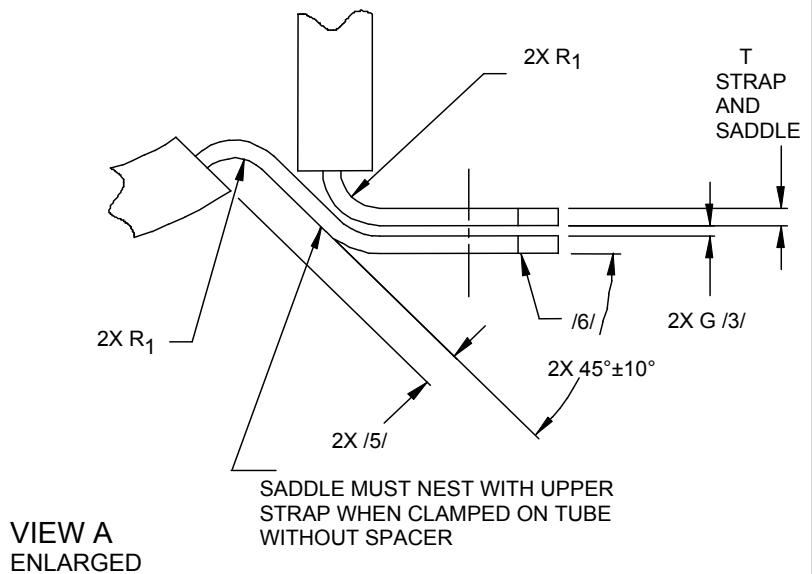
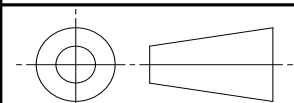


FIGURE 1 - CLAMP



SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS5763>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3E

PROCUREMENT SPECIFICATION: AS85449 I/7/



AEROSPACE STANDARD

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

AS5763
SHEET 1 OF 3

Documents

Copyright 2015 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

TABLE 1 - CLAMP DIMENSIONS

BASIC NO. AS5763 SIZE CODE /11/	TUBE SIZE	C ±.030	ØD	E ±.015	G ±.001	R ₁	R ₂ ±.03	T TOLERANCE PER AMS 2242	W ±.005	Y
-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 SADDLE - CRES 321 SHEET AND STRIP PER AMS 5510, EXCEPT THAT A MINIMUM TENSILE STRENGTH OF 100 KSI SHALL BE REQUIRED.

CUSHION - NITRILE BUTADIENE RUBBER, 65-75 DUROMETER, COLOR YELLOW, PER AMS 3224 AND WITH OZONE RESISTANCE REQUIREMENT PER AS85449.
2. FINISH: STRAP AND SADDLE - PASSIVATE PER AMS 2700, 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. WITH CLAMP ASSEMBLED ON TUBE, NO GAP IS PERMITTED BETWEEN CUSHION AND TUBE FOR UPPER HALF OF STRAP AND CUSHIONED LENGTH OF SADDLE BASE.
- /5/ WITH CUSHION PUSHED TO EITHER END OF SADDLE, SUFFICIENT CUSHION SHALL BE AVAILABLE TO PREVENT SADDLE FROM CONTACTING TUBE.
- /6/ 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.
- /7/ PROCUREMENT SPECIFICATION: AS85449 EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS85449 FOR THIS STANDARD. SEE www.eauditnet.com FOR CURRENT QPL ON-LINE.
8. REMOVE ALL BURRS AND SHARP EDGES.
9. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±0° 30'.
10. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.

	AEROSPACE STANDARD		AS5763 SHEET 2 OF 3 
	CLAMP ASSEMBLY, SADDLE TYPE, CUSHIONED, FUEL AND PETROLEUM BASED HYDRAULIC FLUID		

