

REV.  
A

SAE AS7431

FEDERAL SUPPLY CLASS  
5340

RATIONALE

DOCUMENT COMPLETELY REVISED, FIGURES AND TABLES REDRAWN TO MAKE READABLE, CADMIUM PLATE NOTICE ADDED, MATERIALS COMPLETELY REVISED TO BRING UP TO DATE.

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THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD AN743 REV 7. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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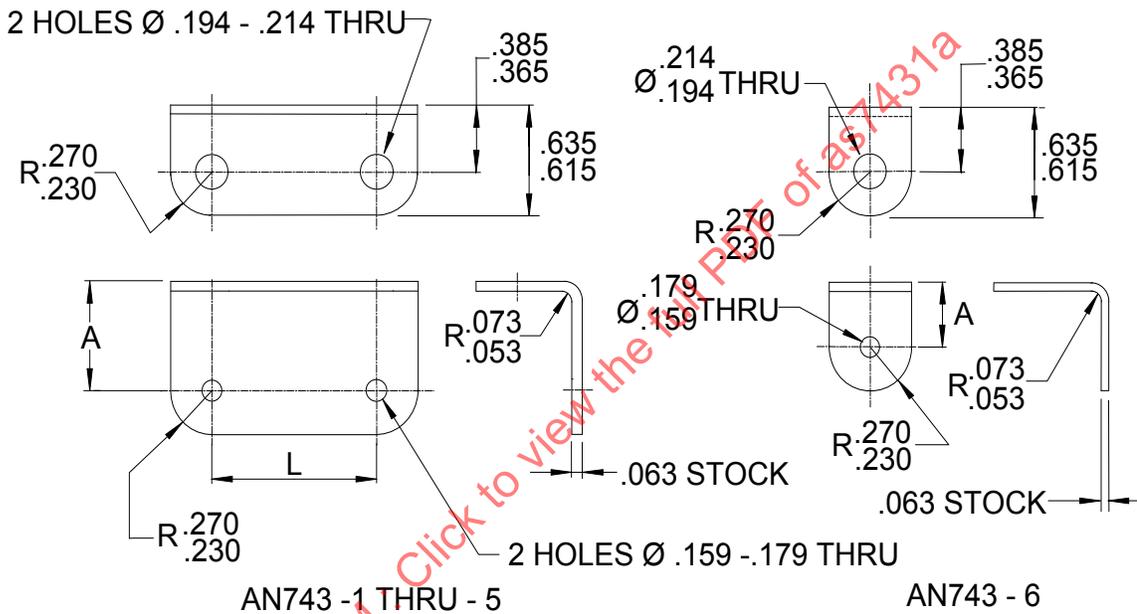
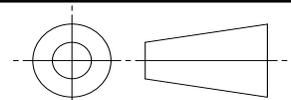


FIGURE 1 - BRACKETS

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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**

(R) BRACKET, SUPPORT CLAMP

**SAE AS7431**  
SHEET 1 OF 4

**REV. A**

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ISSUED 1998-05 REAFFIRMED 2007-06 REVISED 2013-03

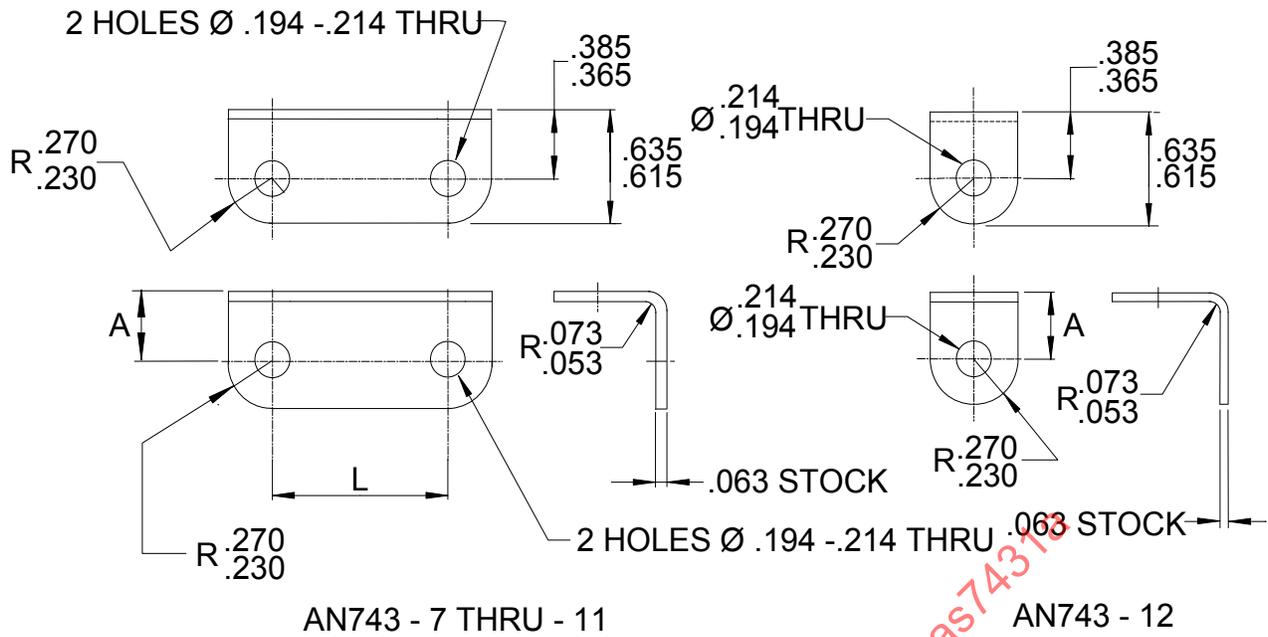


FIGURE 1 - BRACKETS (CONTINUED)

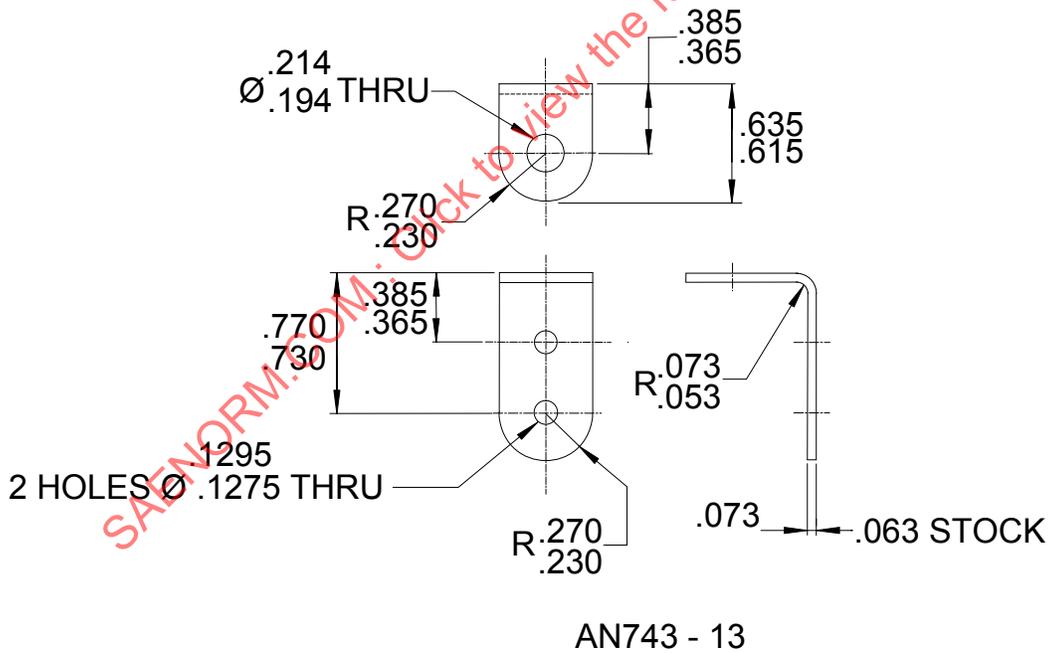
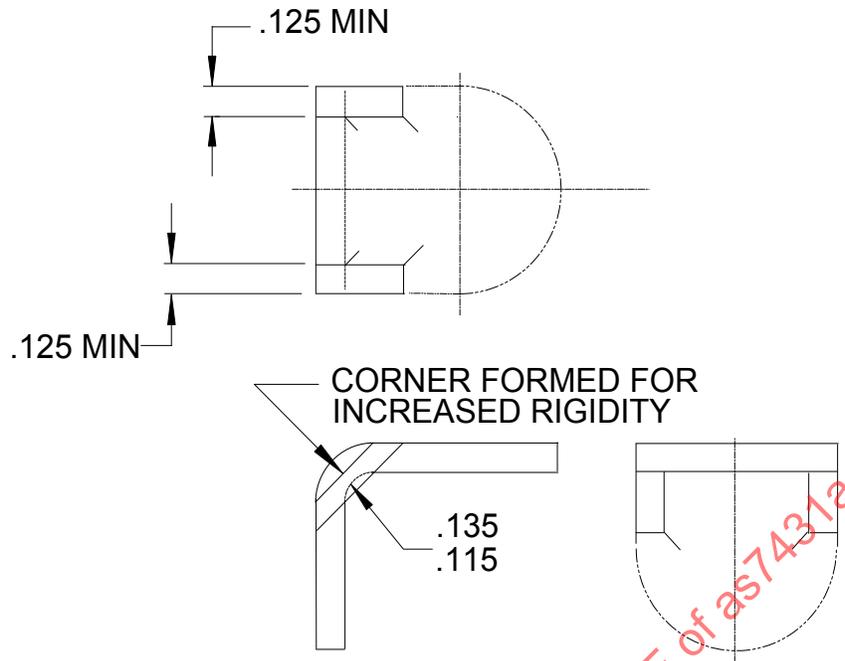


FIGURE 1 - BRACKETS (CONTINUED)

<p>SAE Aerospace An SAE International Group</p>	<p><b>AEROSPACE STANDARD</b></p>	<p><b>SAE AS7431</b> SHEET 2 OF 4</p>	<p><b>REV.</b> <b>A</b></p>
	<p>(R) BRACKET, SUPPORT CLAMP</p>		



### REINFORCING CORNER BEADS

FIGURE 1 - BRACKETS (CONTINUED)

TABLE 1 - DIMENSIONS

PART NUMBER	A	L	RECOMMENDED FOR USE WITH AN742	
			PLAIN CLAMP	CUSHIONED CLAMP
AN743 - 1	.57 - .61	.300 - .310	2 to 8 Inclusive	4C to 10C Inclusive
AN743 - 2	.57 - .61	.445 - .455	9 to 16 Inclusive	11C to 18C Inclusive
AN743 - 3	.57 - .61	1.175 - 1.185	17 to 32 Inclusive	19C to 34C Inclusive
AN743 - 4	.57 - .61	1.675 - 1.685	34 to 48 Inclusive	35C to 50C Inclusive
AN743 - 5	.57 - .61	2.175 - 2.185	52 to 64 Inclusive	54C to 86C Inclusive
AN743 - 6	.42 - .46		FOR ONE HOLE MOUNTING	
AN743 - 7	.36 - .40	.495 - .505	- 8 to - 11 Inclusive	- 10C to - 13C Inclusive
AN743 - 8	.36 - .40	.620 - .630	- 12 to - 15 Inclusive	- 14C to - 17C Inclusive
AN743 - 9	.36 - .40	.745 - .755	- 16 to - 24 Inclusive	- 18C to - 26C Inclusive
AN743 - 10	.36 - .40	.995 - 1.005	- 25 to - 40 Inclusive	- 27C to - 42C Inclusive
AN743 - 11	.36 - .40	1.495 - 1.505	FOR LONG BASE MOUNTING	
AN743 - 12	.42 - .46		FOR ONE HOLE MOUNTING	
AN743 - 13				

PART NUMBERS AN743 - 1, - 2, - 3, - 4 AND - 5 INACTIVE FOR DESIGN AFTER 31 JULY 1945,  
 PART NUMBERS AN743 - 7, - 8, - 9, - 10 AND - 11 REPLACE AND ARE INTERCHANGEABLE WITH AN743 - 1, - 2, - 3, - 4 AND - 5  
 RESPECTIVELY.

PART NUMBER AN743 - 6 INACTIVE FOR DESIGN AFTER 21 APRIL 1950,  
 PART NUMBER AN743 - 12 REPLACES AND IS INTERCHANGEABLE WITH AN743 - 6.