

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.

NOTICE

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.

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL) MAY CONTINUE TO BE MANDATORY FOR DOD CONTRACTS. REQUIREMENTS RELATING TO QPLS HAVE NOT BEEN ADOPTED BY THE SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.

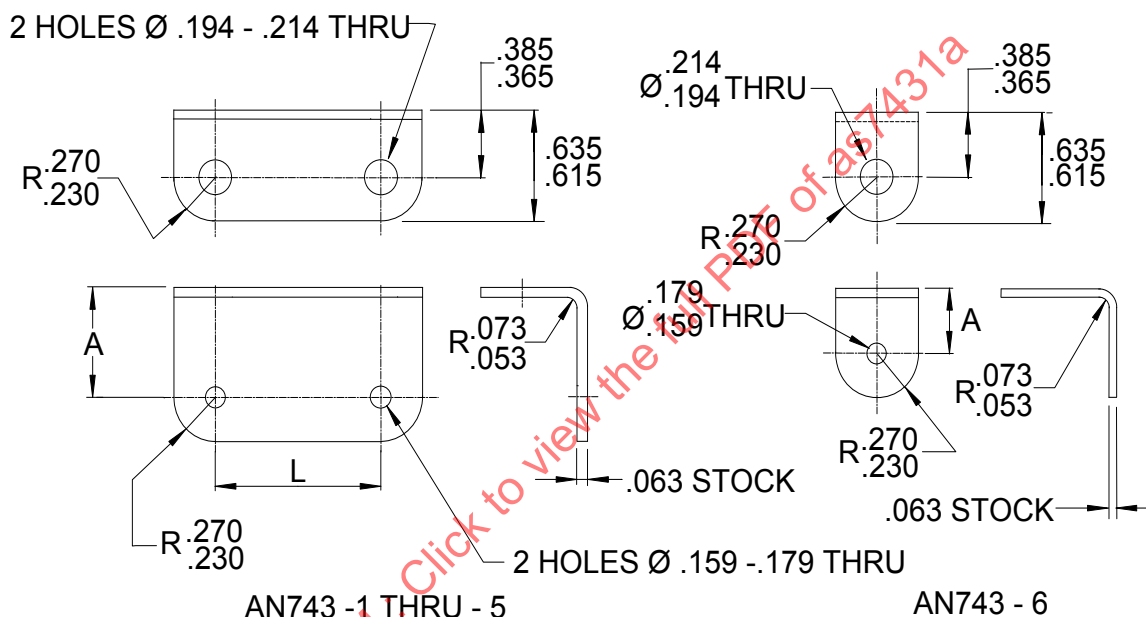
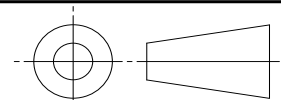


FIGURE 1 - BRACKETS

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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
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AEROSPACE STANDARD

(R) BRACKET, SUPPORT CLAMP

SAE AS7431
SHEET 1 OF 4

REV.
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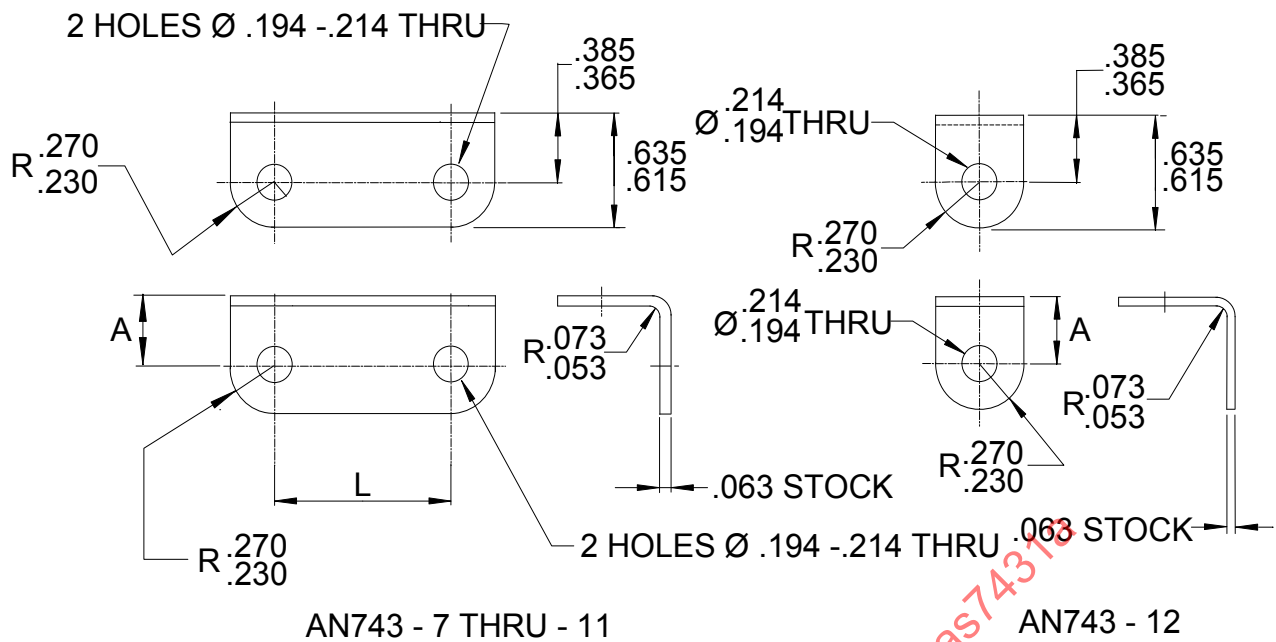


FIGURE 1 - BRACKETS (CONTINUED)

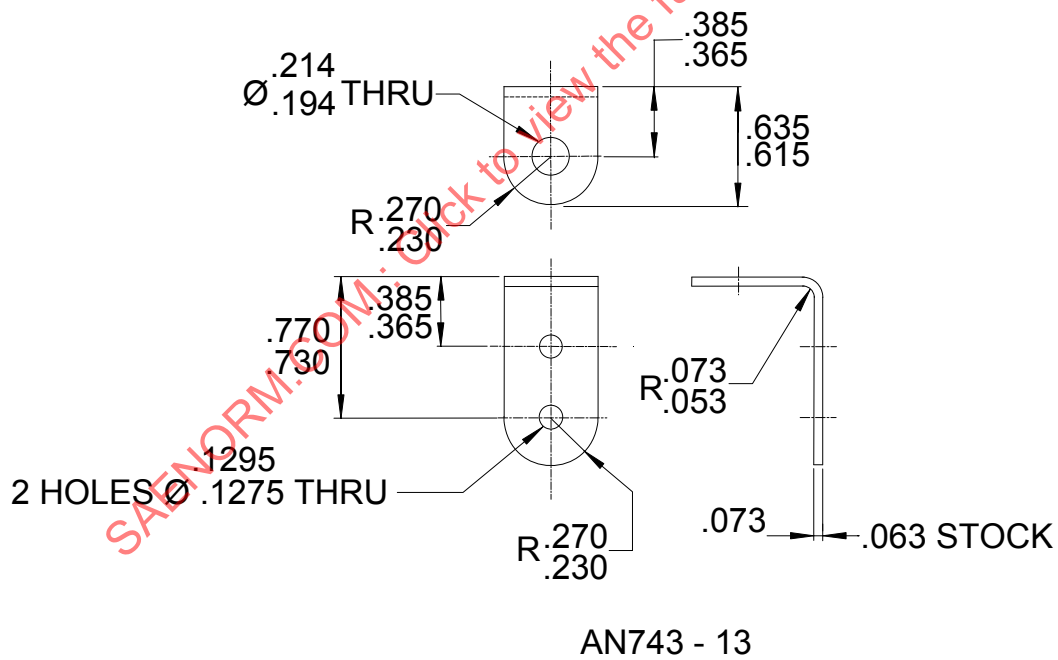
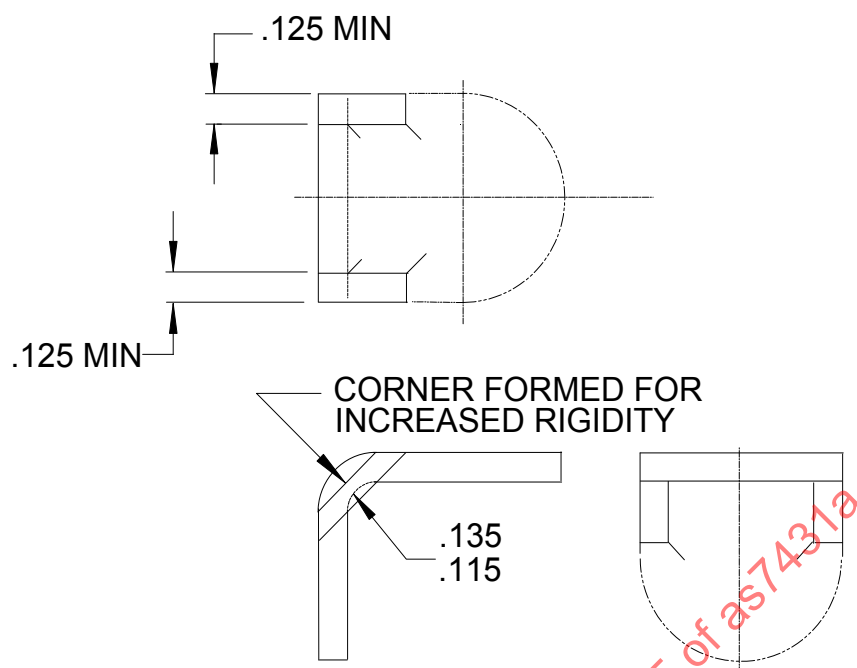


FIGURE 1 - BRACKETS (CONTINUED)



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.