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REV.
A

AS7351

FEDERAL SUPPLY CLASS
5340

RATIONALE

DOCUMENT UPDATED, FIGURE REDRAWN WORD STOCK ADDED TO THICKNESS, TABLE RETYPED TO MAKE LEGIBLE AND CADMIUM PLATE NOTE ADDED SPECIFICATIONS IN NOTES UPDATED AND WORD FINISHED REPLACE BY WORD COATING.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD AN735 REV 5 NOTICE 1. 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.

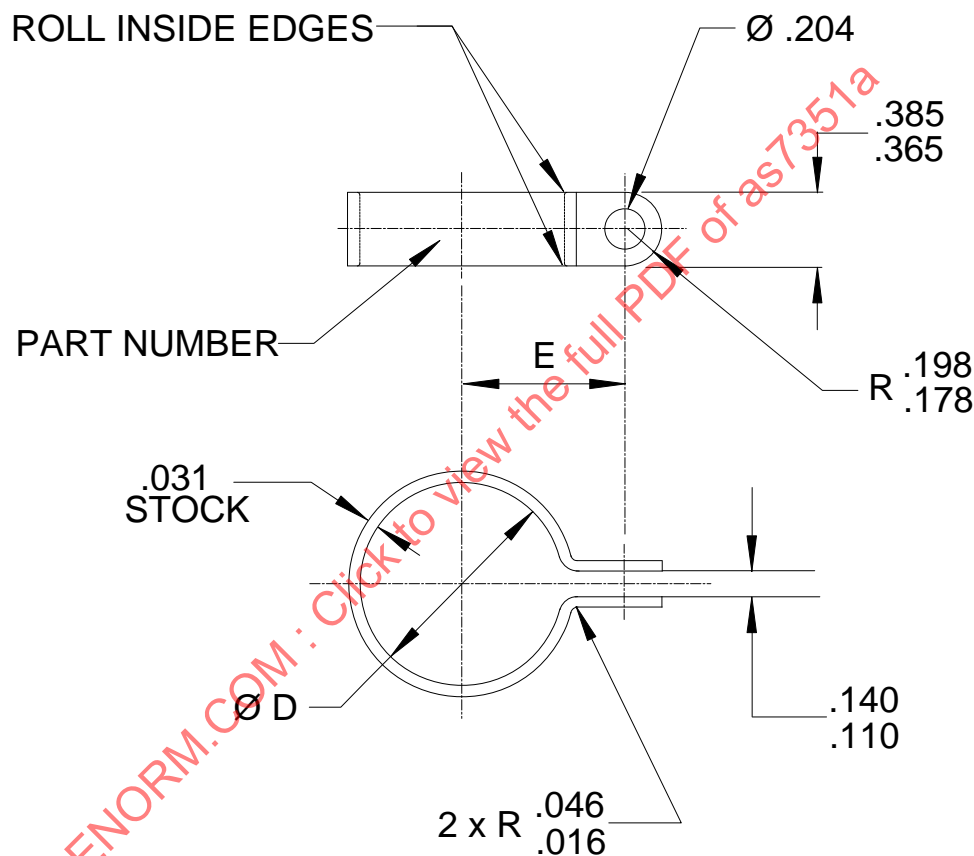
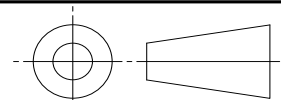


FIGURE 1 - CLAMP

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<http://www.sae.org/technical/standards/AS7351A>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

(R) CLAMP, LOOP TYPE BONDING

AS7351
SHEET 1 OF 3

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TABLE 1 - DIMENSIONS

DASH NUMBER	DIMENSIONS		APPROX MASS LB/100		DASH NUMBER	DIMENSIONS		APPROX MASS LB/100	
	ØD ±.005	E ±.015	STEEL AND CRES	ALUMINUM ALLOY		ØD ±.005	E ±.015	STEEL AND CRES	ALUMINUM ALLOY
2	.125	.313	.24	.08	27	1.688	1.156	1.90	.66
3	.188	.344	.31	.11	28	1.750	1.188	1.97	.68
4	.250	.375	.37	.13	30	1.875	1.250	2.09	.72
5	.313	.406	.44	.15	31	1.938	1.281	2.16	.75
6	.375	.469	.52	.18	32	2.000	1.313	2.22	.77
7	.438	.500	.59	.20	34	2.125	1.375	2.35	.81
8	.500	.531	.65	.22	35	2.188	1.406	2.42	.83
9	.563	.563	.72	.25	36	2.250	1.438	2.48	.86
10	.625	.594	.78	.27	38	2.375	1.500	2.61	.90
11	.688	.625	.85	.29	40	2.500	1.563	2.74	.95
12	.750	.656	.91	.31	43	2.688	1.656	2.93	1.01
13	.813	.688	.98	.34	44	2.750	1.688	2.99	1.03
14	.875	.719	1.04	.36	48	3.000	1.813	3.25	1.12
15	.938	.750	1.10	.38	52	3.250	1.938	3.51	1.21
16	1.000	.813	1.19	.41	56	3.500	2.063	3.77	1.30
17	1.063	.844	1.25	.43	64	4.000	2.313	4.29	1.48
18	1.125	.875	1.32	.46	72	4.500	2.663	4.81	1.65
19	1.188	.906	1.38	.48	80	5.000	2.813	5.33	1.84
20	1.250	.938	1.45	.50	88	5.500	3.063	5.84	2.02
21	1.313	.969	1.51	.52	96	6.000	3.313	6.36	2.19
22	1.375	1.000	1.57	.54					
23	1.438	1.031	1.64	.57					
24	1.500	1.063	1.71	.59					
25	1.563	1.094	1.77	.61					
26	1.625	1.125	1.84	.63					

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

1. MATERIAL HEAT TREATMENT AND COATING:

- (-) = 1010 STEEL, TEMPER 4 PER ASTM A109
COATING - CADMIUM PLATING PER AMS- QQ-P-416, TYPE II, CLASS 2
- (D) = ALUMINUM ALLOY PER AMS-QQ-A-250/5
HEAT TREAT PER AMS-H-6088 TO T42 CONDITION
- (DC) = ALUMINUM ALLOY PER AMS-QQ-A-250/5
HEAT TREAT PER AMS-H-6088 TO T42 CONDITION
COATING CHEMICAL FILM PER MIL-DTL-5541, CLASS 3, COLOR GOLD
- (C) = 302 CRES STEEL PER AMS5516, ANNEALED OR 321 CRES STEEL PER AMS5510, ANNEALED
CLEANED AND DESCALED IN ACCORDANCE WITH ASTM A380/380M AND PASSIVATED PER AMS2700

NOTE: ALUMINUM ALLOY CLAMPS MUST BE FORMED WITHIN 1 HOUR OF HEAT TREATMENT.

2. EXAMPLES OF PART NUMBER:

AN735-2 = STEEL CLAMP, .125 INSIDE DIA.
 AN735D2 = ALUMINUM ALLOY CLAMP, .125 INSIDE DIA.
 AN735DC2 = ALUMINUM ALLOY CLAMP WITH CHEMICAL FILM, .125 INSIDE DIA.
 AN735C2 = CRES, STEEL CLAMP, .125 INSIDE DIA.

	AEROSPACE STANDARD		AS7351 SHEET 2 OF 3	REV. A
	(R) CLAMP, LOOP TYPE BONDING			