

REV.
B

AS7351™

FEDERAL SUPPLY CLASS
5340

RATIONALE

CLARIFIED INSTRUCTIONS FOR INSPECTION OF D AND E DIMENSIONS IN THE RESTRAINED CONDITION. UPDATED HEAT TREATMENT AND FORMING REQUIREMENT OF ALUMINUM ALLOY CLAMPS. ADDED NOTE 3 TO TABLE 1. CHANGED CUSTODIAN FROM E-25 TO G3E.

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'S) MAY CONTINUE TO BE MANDATORY FOR DoD CONTRACTS. REQUIREMENTS RELATING TO QPL'S HAVE NOT BEEN ADOPTED BY THE SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.

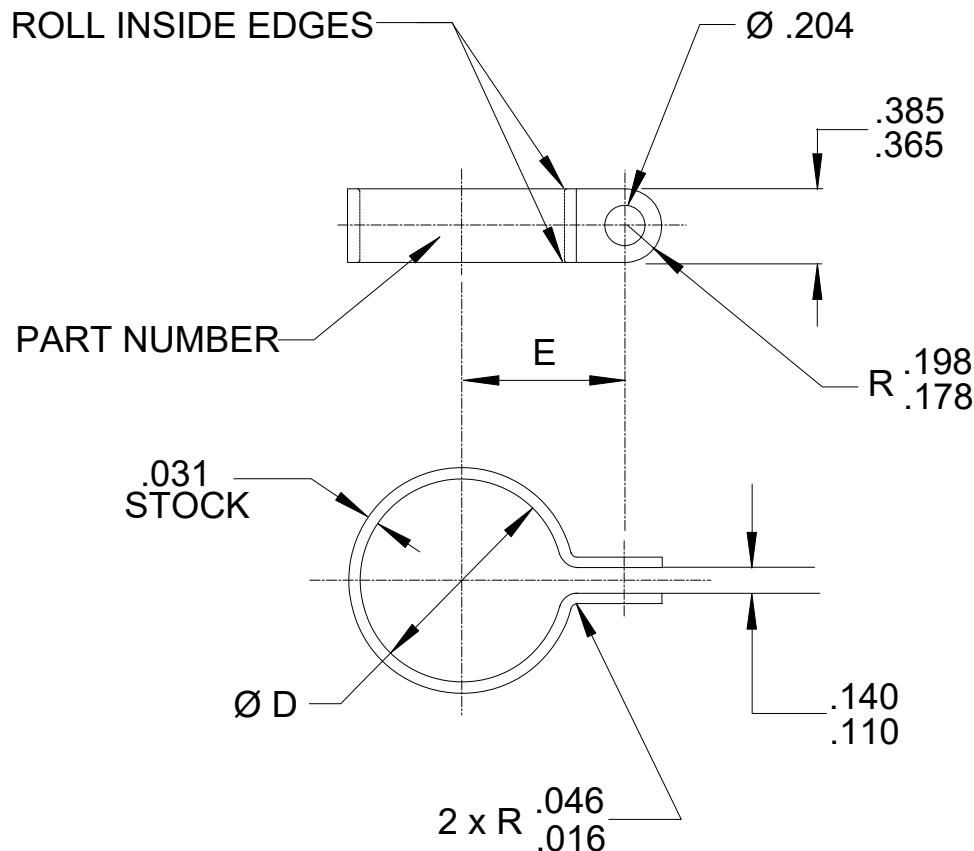
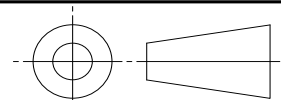


FIGURE 1 - CLAMP

For more information on this standard, visit
<https://www.sae.org/standards/content/AS7351B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3E

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

CLAMP, LOOP TYPE BONDING

AS7351™
SHEET 1 OF 3

REV.
B

Copyright © 2020 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 - DIMENSIONS

DASH NUMBER	DIMENSIONS		APPROX MASS LB/100		DASH NUMBER	DIMENSIONS		APPROX MASS LB/100	
	ØD ±.005 /3/	E ±.015 /3/	STEEL AND CRES	ALUMINUM ALLOY		ØD ±.005 /3/	E ±.015 /3/	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	2.563	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 AMS2770 TO T42 CONDITION
- (DC) = ALUMINUM ALLOY PER AMS- QQ-A-250/5
HEAT TREAT PER AMS2770 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 BENDS LESS THAN .120 RADIUS MUST BE FORMED IN THE ANNEALED CONDITION (O) OR WITHIN 1 HOUR AFTER SOLUTION HEATTREATMENT (W CONDITION) OR AFTER REMOVAL FROM COLD STORAGE. WHEN COLD STORAGE IS USED, PARTS MUST BE KEPT AT A TEMPERATURE OF -10 °F OR BELOW TO KEEP THE - W CONDITION.

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. B
	CLAMP, LOOP TYPE BONDING			





Document Sharing Hub