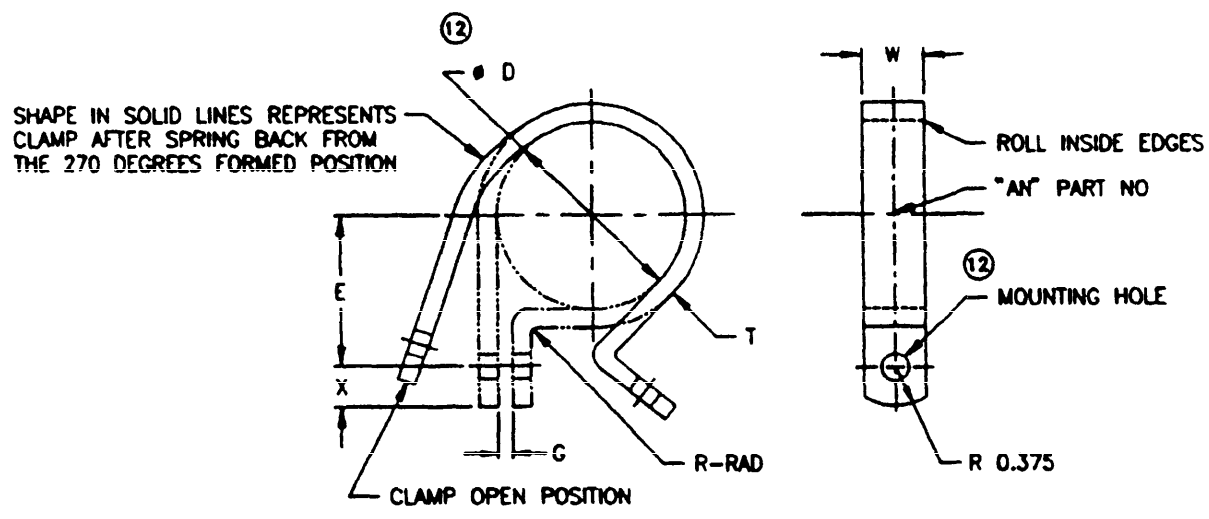


INACTIVE FOR NEW DESIGN DATED 13 APRIL 1995

VIEW ACTIVITIES:  
 -82  
 -M  
 DLA-15  
 MARINE CORP-MC

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**REQUIREMENTS:**

**MATERIALS AND FINISH**

- (-) = AISI-1010 STEEL, TEMPER T 4 PER ASTM A 109  
 FINISH - CADMIUM PLATED PER QQ-P-416, TYPE II, CLASS 2
- (D) = ALCLAD 2024-0, ALUMINUM ALLOY PER QQ-A-250/5  
 HEAT TREATED PER MIL-H-8088 TO T42 CONDITION  
 FINISH - CHEMICAL FILM PER MIL-C-5541, CLASS 1A
- (F) = AISI-321 CORROSION RESISTANT STEEL PER AMS 5510  
 FINISH - PASSIVATED PER QQ-P-35

**NOTES:**

1. EXAMPLE OF PART NUMBERS:  
 AN742-B = CLAMP, STEEL .500 ID  
 AN742DB = CLAMP, ALUMINUM ALLOY .500 ID  
 AN742FB = CLAMP, CORROSION RESISTANT STEEL .500 ID
2. THE PART NUMBER AND THE MANUFACTURER'S IDENTIFICATION SHALL BE MARKED ON EACH CLAMP
3. REMOVE ALL BURRS AND SHARP EDGES
4. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: ±.015
5. CLAMPS SHALL BE FURNISHED IN THE OPEN POSITION
6. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENT REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID
7. CODE "F" CLAMP MANUFACTURED FROM AMS 5510 CRES SHALL BE USED IN BOTH CORROSIVE AND HIGH TEMPERATURE ENVIRONMENT
8. CODE "H" CLAMP HAS BEEN SUPERSEDED BY CODE "F" CLAMP EFFECTIVE FROM THE DATE OF THIS DOCUMENT. HOWEVER CODE "H" CLAMP SHALL BE USED UNTIL EXISTING STOCKS ARE DEPLETED

(12) DENOTES CHANGES

P.A.: NAVY-AS CUSTODIANS: AIR FORCE-99 ARMY-AV	AIR FORCE-NAVY AERONAUTICAL STANDARD	AN742
	CLAMP, LOOP, PLAIN, SUPPORT, AIRCRAFT	
PROCUREMENT SPECIFICATION MIL-C-8603	SUPERSEDES USAF DWG 742 AND (WITH AN743) SUPERSEDES NAF DWG 1051 TYPES 1 AND 2	SHEET 1 OF 3

APPROVED 21 JUL 44 REVISED (10) 26 AUG 87 (11) 30 DEC 93 (12) 13 APR 95

FED. SUP. CLASS  
5340

REVIEW ACTIVITIES  
AF-B2  
ARMY-LM  
DUA-15  
MARINE CORP-NC

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 NOTICE: This drawing was approved by joint action of the Air Force and Navy Departments as the Air Force - Navy standard for this product. This drawing supersedes all antecedent standard drawings for the same product and shall become effective for the procurement of aeronautical supplies or for use in new design not later than 6 months after the latest date of approval shown. ANSC N/A

DASH NUMBERS	RIGID TUBE NOMINAL OD (REF)	D DIA ±.010	E		G	R ±.010	T			AL ALLOY		ALL STEEL		X	
			ALUMI-NUM ALLOY	ALL STEEL			AL ALLOY	CARBON STEEL	HIGH TEMP CRES	W	MTG HOLE DIA ±.005	W	MTG HOLE DIA ±.005		
2	.125	.125	.360	.360											
3	.188	.188	.423	.423											
4	.250	.250	.457	.457											
5	.313	.313	.498	.498		.062	.0320 ±.0025			.020 ±.003			.375	.204	.188
6	.375	.375	.529	.529											
7	.438	.438	.560	.560											
8	.500	.500	.592	.592											
9	.563	.563	.623	.623											
10	.625	.625	.654	.654	.062 +.016 -.000										
11	.688	.688	.752	.749											
12	.750	.750	.783	.780											
13	.813	.813	.814	.811											
14	.875	.875	.845	.842		.109	.050 ±.004								
15	.938	.938	.877	.858											
16	1.000	1.000	.908	.889											
17	1.063	1.063	.939	.920											
18	1.125	1.125	.970	.951											
19	1.188	1.188	1.002	.983											
20	1.250	1.250	1.062	1.030											
21	1.313	1.313	1.093	1.061											
22	1.375	1.375	1.124	1.092											
23	1.438	1.438	1.156	1.124											
24	1.500	1.500	1.187	1.155											
25	1.563	1.563	1.218	1.186											
26	1.625	1.625	1.249	1.217	.094 +.031 -.000	.125	.063 ±.005								
27	1.688	1.688	1.281	1.249											
28	1.750	1.750	1.312	1.280											
29	1.812	1.812	1.344	1.312											
30	1.875	1.875	1.374	1.342											
31	1.938	1.938	1.406	1.374											
32	2.000	2.000	1.437	1.405											

(12) (12) (12)

(12) DENOTES CHANGES

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	CLAMP, LOOP, PLAIN, SUPPORT, AIRCRAFT	
PROCUREMENT SPECIFICATION MIL-C-8603	SUPERSEDES USAF DWG 742 AND (WITH AN743) SUPERSEDES NAF DWG 1091 TYPES 1 AND 2	SHEET 2 OF 3

APPROVED 21 JUL 44 REVISED (12) FOR CHANGES SEE SHEETS 1 AND 3

FED. SUP. CLASS  
 5340

REVIEW ACTIVITIES:  
 AF-B2  
 ARMY-M  
 DLA-S  
 MARINE CORP-UC

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DASH NUMBERS	RIGID TUBE NOMINAL OD (REF)	D DIA ±.010	E		G	R ±.010	T			AL ALLOY		ALL STEEL		X
			ALUMI-NUM ALLOY	ALL STEEL			AL ALLOY	CARBON STEEL	HIGH TEMP CRES	W	MTG HOLE DIA ±.005	W	MTG HOLE DIA ±.005	
33	2.062	2.062	1.468	1.444	.125 +.031 -.000	.125	.063 ±.005	.040 ±.004	.040 ±.004	.500	.218	.500	.218	.218
34	2.125	2.125	1.499	1.475										
35	2.188	2.188	1.531	1.507										
36	2.250	2.250	1.562	1.538										
37	2.312	2.312	1.594	1.570										
38	2.375	2.375	1.624	1.600										
40	2.500	2.500	1.687	1.663										
42	2.625	2.625	1.752	1.728										
43	2.680	2.680	1.778	1.754										
44	2.750	2.750	1.812	1.788										
45	2.812	2.812	1.844	1.820										
46	2.875	2.875	1.875	1.851										
48	3.000	3.000	1.937	1.913										
50	3.125	3.125	2.000	1.976										
52	3.250	3.250	2.062	2.038										
54	3.375	3.375	2.125	2.101										
56	3.500	3.500	2.187	2.163										
58	3.625	3.625	2.250	2.226										
64	4.000	4.000	2.437	2.413										
66	4.125	4.125	2.500	2.476										

⑫ DENOTES CHANGES

P.A.: NAVY-AS CUSTODIANS: AIR FORCE-99 ARMY-AV	AIR FORCE-NAVY AERONAUTICAL STANDARD	AN742
	CLAMP, LOOP, PLAIN, SUPPORT, AIRCRAFT	
PROCUREMENT SPECIFICATION MIL-C-8603	SUPERSEDES USAF DWG 742 AND (WITH AN743) SUPERSEDES NAF DWG 1051 TYPES 1 AND 2	SHEET 3 OF 3

APPROVED 21 JUL 44 REVISED ⑫ FOR CHANGES SEE SHEETS 1, 2, AND 3