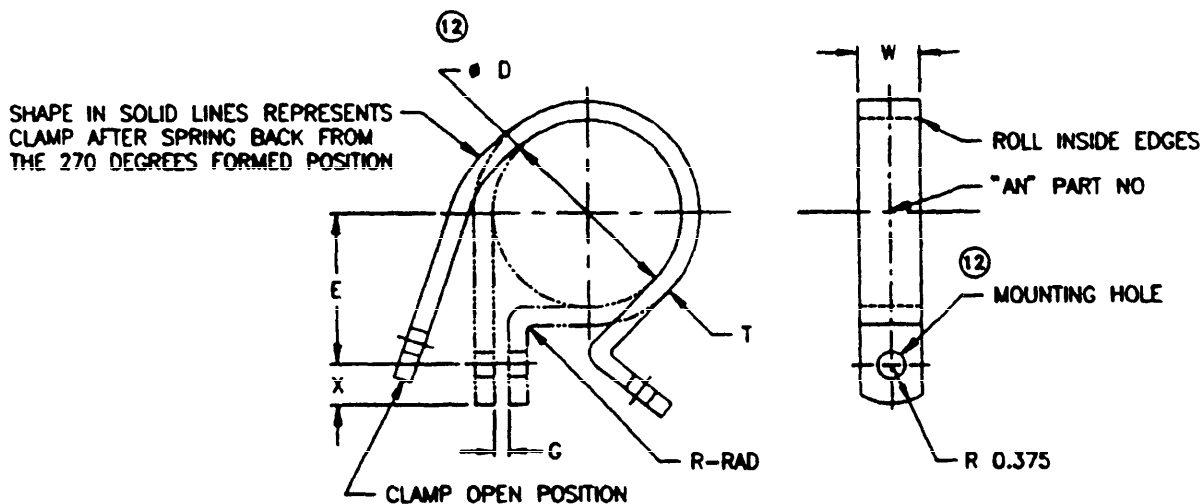


INACTIVE FOR NEW DESIGN DATED 13 APRIL 1995

VIEW ACTIVITIES:
-82
-87-M
DLA-15
MARINE CORP-MC**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: $\pm .015$

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 CODE "H" CLAMP HAS BEEN SUPERSEDED BY CODE "F" CLAMP EFFECTIVE FROM THE DATE OF THIS DOCUMENT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-AVAIR FORCE-NAVY AERONAUTICAL STANDARD
CLAMP, LOOP, PLAIN, SUPPORT, AIRCRAFT

AN742

PROCUREMENT SPECIFICATION
MIL-C-8603SUPERSEDES USAF DWG 742 AND (WITH AN743)
SUPERSEDES NAF DWG 1051 TYPES 1 AND 2

SHEET 1 OF 3

PROJECT NO. 5340-2221

NOTED: When Government drawings, specifications or other data are used for any purpose other than in connection with a specific procurement operation, the Government assumes no responsibility for any claims, damages, losses, or expenses that may be incurred by or for the Government or any other person or corporation, or for any patented invention that may be related thereto.

Approved for public release, distribution is unlimited.
This drawing is approved by joint action of the Air Force and Navy.
Force - Navy standard for this product. This drawing
supercedes 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 from
ASCC I/A

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

REVIEW ACTIVITIES
AF-B2
ARMY-1A
DIA-15
MARINE CORP-1C

FED. SUP. CLASS
5340

NOTES: When Government drawings, specifications or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility, or any obligation whatsoever, and the fact that the Government may have furnished such data in any way is not to be regarded as an implied license, or in any manner intended to be construed as conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.
NOTES: 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.
ANEC N/A

DASH NUMBERS	RIGID TUBE NOMINAL OD (REF)	D DIA $\pm .010$	E		G	R $\pm .010$	T			AL ALLOY		ALL STEEL		X
			ALUMI-NUM ALLOY	ALL STEEL			AL ALLOY	CARBON STEEL	HIGH TEMP CRES	W	MTG HOLE DIA $\pm .005$	W	MTG HOLE DIA $\pm .005$	
2	.125	.125	.360	.360	.062 +.016 -.000	.062	.0320 $\pm .0025$.020 $\pm .003$.375	.204	.188
3	.188	.188	.423	.423										
4	.250	.250	.457	.457										
5	.313	.313	.498	.498										
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										
11	.688	.688	.752	.749										
12	.750	.750	.783	.780	.094 +.031 -.000	.109	.050 $\pm .004$.0320 $\pm .0035$.500	.218			
13	.813	.813	.814	.811										
14	.875	.875	.845	.842										
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		.125	.063 $\pm .005$.032 $\pm .004$.500	.218	.218
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										
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

P.A.: NAVY-AS
CUSTODIANS:
AIR FORCE-99
ARMY-AV

AIR FORCE-NAVY AERONAUTICAL STANDARD

CLAMP, LOOP, PLAIN, SUPPORT, AIRCRAFT

AN742

PROCUREMENT SPECIFICATION
MIL-C-8603

SUPERSEDES USAF DWG 742 AND (WITH AN743)
SUPERSEDES NAF DWG 1051 TYPES 1 AND 2

SHEET 2 OF 3

