

FED. SUP CLASS

5340

User activities:

Review activities:
ARMY-AR,MI
NAVY-YD
AIR FORCE-II
DLA-IS

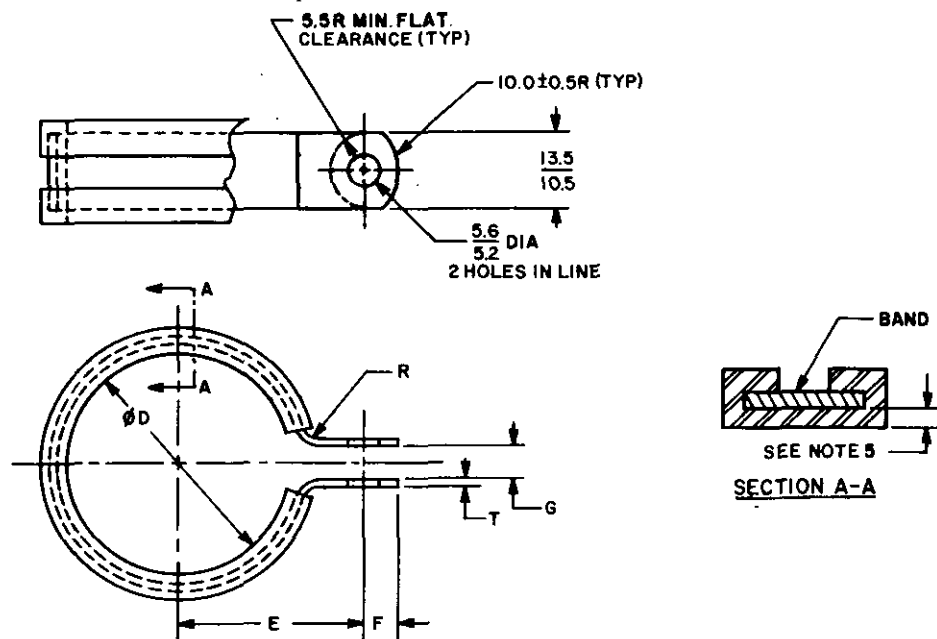


TABLE I. DASH NUMBERS AND DIMENSIONS.

DASH NO	RIGID TUBE NOMINAL OD (REF)	$\phi D \pm 0.4$	THICKNESS (T)		E ± 0.4	G $+0.8 -0$	R ± 0.4	P ± 0.3
			AL 1/ ALLOY	1/ CRES				
06	6	6.0	0.80	0.80	13.3	1.6	1.6	5.8
08	8	8.0	0.80	0.80	14.3	1.6	1.6	5.8
10	10	10.0	0.80	0.80	15.3	1.6	1.6	5.8
12	12	12.0	0.80	0.80	16.3	1.6	1.6	5.8
14	14	14.0	1.00	1.00	17.5	1.6	1.6	5.8
16	16	16.0	1.00	1.00	18.5	1.6	1.6	5.8
18	18	18.0	1.00	1.00	19.5	1.6	1.6	5.8
20	20	20.0	1.00	1.00	20.5	1.6	1.6	5.8
22	22	22.0	1.00	1.00	21.5	1.6	1.6	5.8
25	25	25.0	1.00	1.00	23.0	1.6	1.6	5.8
28	28	28.0	1.40	1.40	26.5	3.2	3.5	6.6
32	32	32.0	1.40	1.40	28.5	3.2	3.5	6.6
40	40	40.0	1.40	1.40	32.5	3.2	3.5	6.6
45	45	45.0	1.40	1.40	35.0	3.2	3.5	6.6
50	50	50.0	1.40	1.40	37.5	3.2	3.5	6.6

1/ SEE NOTE 4

Ⓐ DENOTES CHANGES

METRIC

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document, when applicable.

P. A. AS Other Cust.	International interest	TITLE CLAMP, LOOP, CUSHIONED, CENTER MOUNTING, METRIC	MILITARY STANDARD DS14242
PROCUREMENT SPECIFICATION MIL-C-8603		SUPERSEDES:	PAGE OF 3

DD FORM 1 MAR 72 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5340-1575

APPROVED 14 OCT 1983 REVISED 25 MAY 1984

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REQUIREMENTS:

1. MATERIAL:

BAND - ALUMINUM ALLOY, 2024-O HEAT TREATED TO T42 CONDITION IN ACCORDANCE WITH MIL-H-6088.
CORROSION RESISTANT STEEL, 302 IN ACCORDANCE WITH MIL-S-7090 OR 321 IN ACCORDANCE WITH
AMS 5510-73.

- (A) CUSHION - CHLOROPRENE RUBBER, 65-75 DUROMETER "A" IN ACCORDANCE WITH AMS 3201-31 AND PROCUREMENT SPECIFICATION, 1.6 mm THICK.
SILICON RUBBER, 55-65 DUROMETER "A" IN ACCORDANCE WITH AMS 3303-75, 1.6 mm THICK.
POLYTETRAFLUOROETHYLENE (PTFE), IN ACCORDANCE WITH ASTM D1457-81 TYPE I, 0.6 mm THICK.
FLUOROSILICONE RUBBER IN ACCORDANCE WITH MIL-B-29983, TYPE II, CLASS 1, GRADE 60, 1.6 mm THICK.
NITRILE RUBBER 65-75 IN ACCORDANCE WITH AMS 321 5-73 AND PROCUREMENT SPECIFICATION, 1.6 mm THICK.
ETHYLENE PROPYLENE IN ACCORDANCE WITH PROCUREMENT SPECIFICATION, 1.6 mm THICK.

2. FINISH: CRES - PASSIVATE IN ACCORDANCE WITH ASTM-A780-73.
ALUMINUM ALLOY - CHEMICAL FILM PER MIL-C-5541, CLASS 1A.

- (A) 3. CUSHIONS FABRICATED FROM PTFE SHALL BE SODIUM TREATED IN ACCORDANCE WITH THE SURFACE TREATMENT PARAGRAPHS OF AMS 2491-31 TO REDUCE THE MATERIAL'S LUBRICITY. ALL OTHER PARAGRAPHS OF AMS 2491-31 SHALL NOT APPLY.

4. CUSHION SELECTION GUIDE:

CHLOROPRENE - RECOMMENDED FOR GENERAL PURPOSE USE IN AREAS CONTAMINATED WITH PETROLEUM BASE HYDRAULIC FLUIDS AND OCCASIONAL FUEL SPLASH. EXCELLENT OZONE RESISTANCE. NOT RESISTANT TO PHOSPHATE ESTER BASED FLUIDS. NOT FOR USE WITH TITANIUM TUBING. COLOR SHALL BE BLACK WITH A BLUE IDENTIFIER IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

- (A) ETHYLENE PROPYLENE - RECOMMENDED FOR USE IN AREAS CONTAMINATED WITH PHOSPHATE ESTER HYDRAULIC FLUID AND OTHER SYNTHETIC FLUIDS. EXCELLENT OZONE RESISTANCE. NOT RESISTANT TO PETROLEUM BASED FLUIDS. COLOR SHALL BE SOLID PURPLE.

- (A) POLYTETRAFLUOROETHYLENE (PTFE) - RECOMMENDED FOR USE AT ELEVATED TEMPERATURES IN HYDROCARBON FUEL CONTAMINATED AREAS. ALSO RECOMMENDED FOR USE IN AREAS CONTAMINATED WITH PHOSPHATE TYPE HYDRAULIC FLUIDS AND OTHER SYNTHETIC LUBRICANTS. EXCELLENT OZONE RESISTANCE. COLOR SHALL BE SOLID BROWN.

FLUOROSILICONE - RECOMMENDED FOR USE AT ELEVATED TEMPERATURES IN PETROLEUM BASED FLUID CONTAMINATED AREAS. EXCELLENT OZONE RESISTANCE. NOT RESISTANT TO PHOSPHATE ESTER BASED FLUIDS. COLOR SHALL BE SOLID BLUE.

- (A) NITRILE - RECOMMENDED FOR USE PRIMARILY IN FUEL IMMERSION AND FUEL VAPORS. GOOD OZONE RESISTANCE. NOT RESISTANT TO PHOSPHATE ESTER BASED FLUIDS. NOT FOR USE WITH TITANIUM TUBING. COLOR SHALL BE SOLID YELLOW.

- (A) SILICONE - RECOMMENDED FOR USE AT ELEVATED TEMPERATURE IN PHOSPHATE ESTER BASED FLUID AND OTHER SYNTHETIC FLUID CONTAMINATED AREAS. EXCELLENT OZONE RESISTANCE. NOT RESISTANT TO PETROLEUM BASED FLUIDS. COLOR SHALL BE SOLID (PIGMENTED) WHITE.

5. MATERIAL CODES:

CODES INDICATE BAND AND CUSHION MATERIALS. DO NOT SPECIFY BAND AND CUSHION COMBINATIONS NOT LISTED.
MAXIMUM RECOMMENDED TEMPERATURE IS INDICATED IN PARENTHESIS.

CE = CRES BAND WITH ETHYLENE PROPYLENE CUSHION (135°C)

CF = CRES BAND WITH NITRILE CUSHION (100°C).

CG = CRES BAND WITH CHLOROPRENE CUSHION (100°C).

CH = CRES BAND WITH SILICONE CUSHION (204°C).

CI = CRES BAND WITH FLUOROSILICONE CUSHION (232°C).

- (A) CT = CRES BAND WITH PTFE CUSHION (260°C).

DE = ALUMINUM BAND WITH ETHYLENE PROPYLENE CUSHION (100°C).

DF = ALUMINUM BAND WITH NITRILE CUSHION (100°C).

DG = ALUMINUM BAND WITH CHLOROPRENE CUSHION (100°C).

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PROCUREMENT SPECIFICATION MIL-C-8603	SUPERSEDES:	PAGE 2 OF 3	

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APPROVED 14 OCT 1983 REVISED (A) FOR CHANGES SEE PAGES 1,2 AND 3

