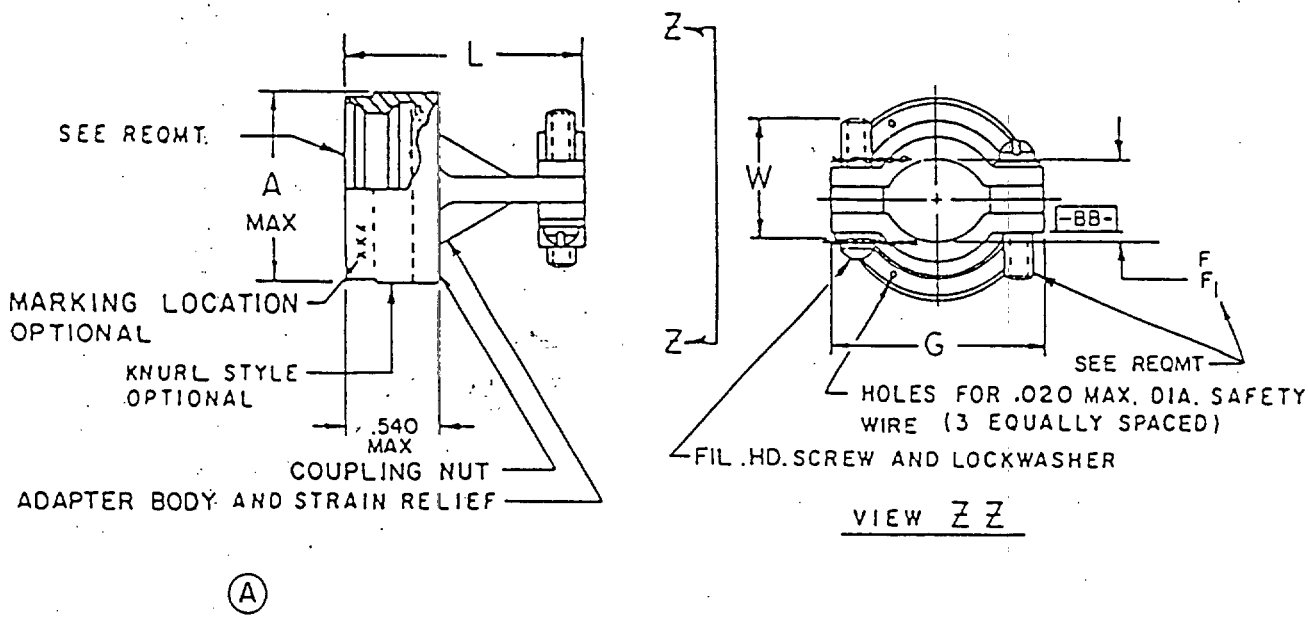
MILITARY SPECIFICATION SHEET

CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, STRAIGHT, CATEGORY 4B (FOR MIL-C-38999 SERIES III AND IV CONNECTORS)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for acquiring the accessories described herein shall consist of this specification sheet and the latest issue of MIL-C-85049.



Ⓐ

FIGURE 1. Configuration and dimensions.

Ⓐ denotes changes

FSC 5935

Source: https://assist.dla.mil -- Downloaded: 2026-10-17T20:09Z
Check the source to verify that this is the current version before use.

Downloaded from Arrow.com.

Ⓐ

Shell size	A MAX DIA. of coupling ring	F MAX CLOSED	F_1 MIN FULL OPEN	G MAX	L MAX	W ±.032 screw length	Screw size
9	.75 (19.1)	.082 (2.08)	.234 (5.94)	.85 (21.6)	1.10 (27.9)	.500 (12.7)	6-32
11	.85 (21.6)	.082 (2.08)	.234 (5.94)	.90 (22.9)	1.10 (27.9)	.500 (12.7)	6-32
13	1.00 (25.4)	.114 (2.90)	.328 (8.33)	1.10 (27.9)	1.20 (30.5)	.625 (15.88)	6-32
15	1.10 (27.9)	.176 (4.47)	.457 (11.61)	1.15 (29.2)	1.25 (31.8)	.750 (19.05)	6-32
17	1.25 (31.8)	.238 (6.05)	.634 (16.10)	1.30 (33.0)	1.35 (34.3)	.750 (19.05)	6-32
19	1.40 (35.6)	.208 (5.28)	.614 (15.60)	1.50 (38.1)	1.60 (40.6)	.750 (19.05)	8-32
21	1.50 (38.1)	.302 (7.67)	.698 (17.73)	1.60 (40.6)	1.70 (43.2)	.875 (22.23)	8-32
23	1.65 (41.9)	.302 (7.67)	.823 (20.90)	1.70 (43.2)	1.85 (47.0)	1.000 (25.40)	8-32
25	1.75 (44.5)	.332 (8.43)	.853 (21.67)	1.80 (45.7)	1.95 (49.5)	1.125 (28.58)	8-32

NOTES:
1. Dimensions are in inches.
2. Dimensions apply after plating.
3. Metric equivalents are given for general informaition only and are based upon 1.00 inch = 25.4 mm.

FIGURE 1. Configuration and dimensions - Continued.

Source: https://assist.dla.mil -- Downloaded: 2026-10-17T20:09Z
Check the source to verify that this is the current version before use.

Downloaded from Arrow.com.

REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figure 1.

Interface dimensions shall conform to MIL-C-38999 series III and IV.

The coupling nut shall be captivated to the adapter body and free to rotate.

Ⓐ Figure 1 dimension F_1 is applicable when the end of screw is flush with -BB-.

Ⓐ Material:

Adapter body, coupling nut, and saddle bars - Aluminum alloy in accordance with MIL-C-85049.

Clamp screws and lockwashers - Corrosion resisting steel, passivate.

Ⓐ Finish: In accordance with MIL-C-85049.

A - Black anodize

Part number:, See example below:

M85049/ 38 - 11 A

Military designator

Specification sheet

Shell size

Finish

QUALIFICATION: See MIL-C-85049, category 4B.

Ⓐ QPL evaluating activity: Naval Avionics Center, Code D/714, 6000 East 21st Street, Indianapolis, Indiana 46218.

Custodians:
Army - CR
Navy - AS
Air Force - 85

Review activities:
Army - AR, MI
Navy - EC
Air Force - 11, 15, 17, 19, 99
DLA - ES

User activity:
Army - AV

Agent:
DLA - ES

Preparing activity:
Air Force - 85

(Project 5935-3294-5)

Source: https://assist.dla.mil -- Downloaded: 2026-10-17T20:09Z
Check the source to verify that this is the current version before use.

Downloaded from Arrow.com.