



**DEFENSE LOGISTICS AGENCY**  
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IN REPLY  
REFER TO

DSCC-VAI (Mr. Jeffery Tunstall) (614) 692-0569

May 12, 2004

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Drafts of Revisions to MIL-DTL-38999/32D and MIL-DTL-38999/33D  
(Connectors, electrical, circular, cover), Project Numbers 5935-4666 and 5935-4665.

These initial drafts of the subject documents, are now available for viewing and downloading from the DSCC-VAI Web site:

<http://www.dsccl.dla.mil/Programs/MilSpec/initialdrafts.asp>

Major change to these documents includes:

Page 1: Add Dimensional changes to figure 1.

If these documents are of interest to you, provide your comments or suggested changes by e-mail to [Jeffery.tunstall@dla.mil](mailto:Jeffery.tunstall@dla.mil) or by fax (614) 692-6939. You may also send comments or suggested changes on Compilation of Comments Form 155, shown at the end of the document posted on the web.

Comments or suggested changes that are not editorial in nature should include justification. Industrial activities should indicate whether they are commenting from the standpoint of a "user" or "manufacturer" Military review activities should forward their comments to their custodians in sufficient time to allow for consolidating the departmental reply. Military departments must identify their comments as either "Essential" or "Suggested." Essential comments, which must be accepted or withdrawn, should be supported by test data unless they obviously require test data unless they obviously require no data.

Please return comments to this Center no later than 45 days from the date of this letter. Any further coordination concerning this document will be circulated only to firms and organizations that furnish comments or reply that they have an interest.

The point of contact for these documents is Mr. Jeffery Tunstall. The preferred method of contact is via e-mail: [Jeffery.Tunstall@dla.mil](mailto:Jeffery.Tunstall@dla.mil). Mr.Tunstall can also be reached at 614-692-0569/DSN 850-0569, or by facsimile 614-692-6939, or by e-mail to: [Jeffery.Tunstall@dla.mil](mailto:Jeffery.Tunstall@dla.mil) .

Sincerely,

/signed/

Richard L. Taylor  
Chief,  
Interconnection Devices Team

Cc:  
DSCC-VQP (Richard Marbais)  
DSCC-VSS (Vivian Cox)  
DSCC-CDAB (Dave Barman)

Note: This draft dated 12 May 2004 prepared by DSCC-VAI, has not been approved and is subject to modification. DO NOT USE FOR ACQUISITION PURPOSES. Project Number: 5935-4666

METRIC

MIL-DTL-38999/32D  
 NOT DATED  
 SUPERSEDING  
 MIL-DTL-38999/32C  
 AMENDMENT 1  
 7 February 2003

DETAIL SPECIFICATION SHEET

CONNECTOR, ELECTRICAL CIRCULAR, COVER,  
 PROTECTIVE, PLUG, SERIES III, METRIC

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

The requirements for acquiring the product described herein shall consist of this specification and MIL-DTL-38999.

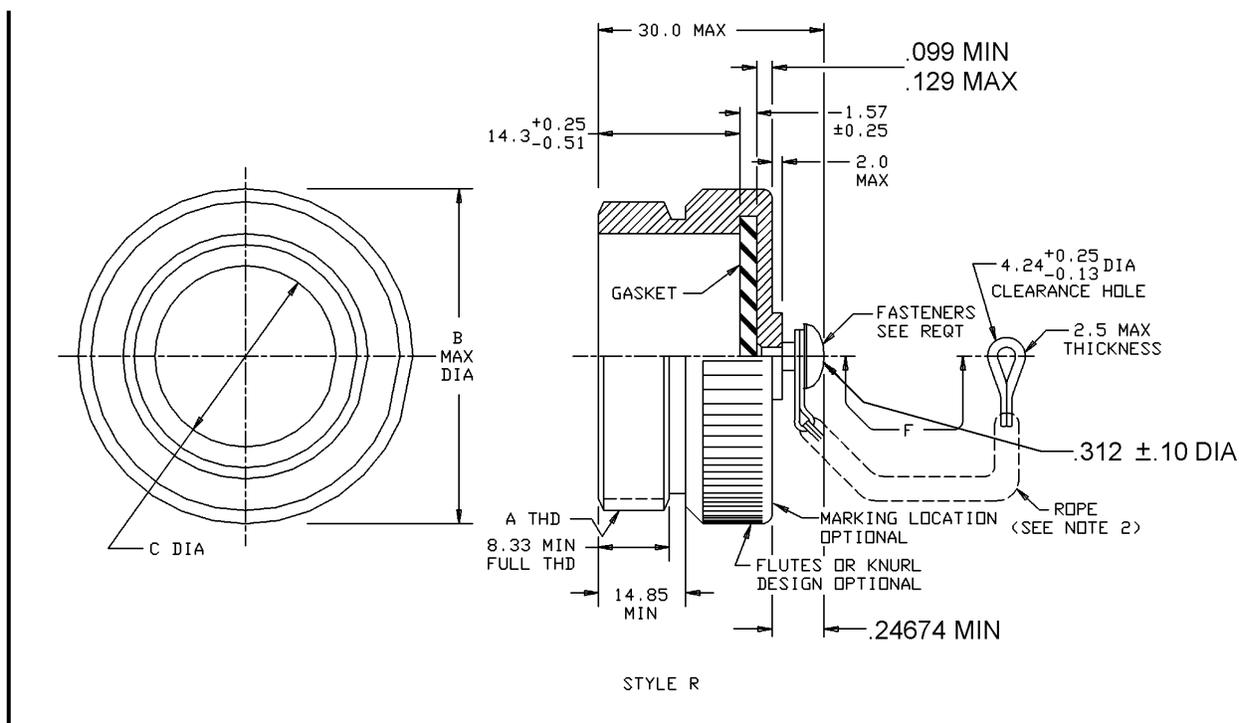
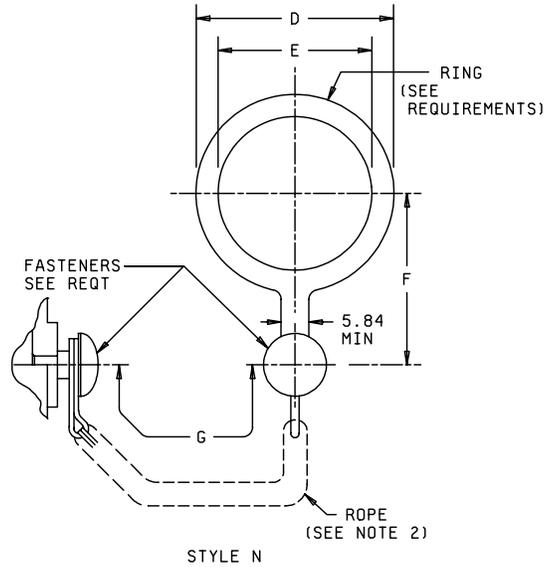


FIGURE 1. Protective cover, plug, all classes.

MIL-DTL-38999/32C



Dimensions							
Shell size	A THD-2A	B max dia	C dia + .00 - .15	D max dia	E min dia	F	G + 13.0 - 7.0
9	.6250-0.1P-0.3L-TS	23.0	12.50	24.0	13.0	24.00 14.50	127.00
11	.7500-0.1P-0.3L-TS	26.0	15.75	27.0	18.0	20.50 18.00	127.00
13	.8750-0.1P-0.3L-TS	31.0	19.53	30.0	20.0	27.00 20.00	127.00
15	1.0000-0.1P-0.3L-TS	33.0	22.71	31.0	23.0	22.50 18.00	127.00
17	1.1875-0.1P-0.3L-TS	37.0	25.88	37.0	26.0	30.50 23.50	127.00
19	1.2500-0.1P-0.3L-TS	40.0	28.55	40.0	29.0	31.50 25.00	127.00
21	1.3750-0.1P-0.3L-TS	44.0	31.72	44.0	32.0	33.00 26.50	127.00
23	1.5000-0.1P-0.3L-TS	46.0	34.90	46.0	34.0	34.00 27.50	127.00
25	1.6250-0.1P-0.3L-TS	50.0	38.07	49.0	39.0	38.00 30.00	127.00

NOTES:

1. Dimensions are in millimeters, except "A threads" which are in inches.
2. Method of attachment to cover and or ring is optional.

FIGURE 1. Protective cover, plug, all classes - Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Material:

Cover - Classes C, F, G, R, W and X: Impact extruded or machined aluminum alloy.  
 Classes H, K, N, S and Y: Corrosion resistant steel.  
 Classes J and M: High performance resin in accordance with MIL-DTL-38999.  
 (Class F inactive for new design.)

Gasket - Silicone elastomer.

Ring - Corrosion resistant steel, passivated, 1.020 maximum thickness.

Rope - Insulated stainless steel, passivated.  
 Insulation shall withstand 200°C environment.

Fastener - Stainless steel, passivated.  
 Option: Aluminum integral to cover.

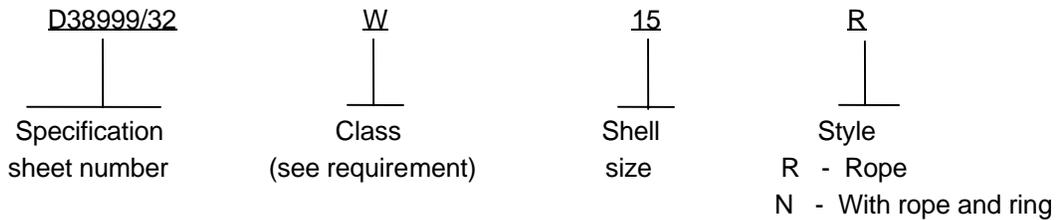
Mating connectors: MIL-DTL-38999, series III.

Gasket shall be bonded to cover, or mechanically retained.

Rope shall rotate freely on fastener.

Fastener tensile strength: Both axial and longitudinal directions shall be 25 pounds. The load shall be applied to the end of the rope.

Part or Identifying Number (PIN) example:



Specification restrictions:

Navy	Army	Air Force
Entire specification sheet inactive for new design	For ground equipment only.	

Qualification:

- Examination of product.
- Mating and unmating forces.
- Moisture resistance.
- Salt spray (corrosion).
- Fastener tensile strength (see requirement).
- Altitude immersion.

For classes J and M also perform temperature cycling and hydrolytic stability.

CONCLUDING MATERIAL

Custodians:

- Army - CR
- Navy - AS
- Air Force – 11
- DLA - CC

Preparing activity:  
DLA - CC

(Project 5935-4666-000)

Review activities:

- Army - MI
- Navy - EC, MC, OS
- Air Force - 19, 99

NOTE: The activities listed above were interested in this document as of the date of this Document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://www.dodssp.daps.mil>.