



**DEFENSE LOGISTICS AGENCY**  
**WEAPONS SUPPORT**  
**P.O. BOX 3990**  
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July 24, 2026

**MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION**

**SUBJECT:** Initial Draft of: MIL-DTL-28731/38A Amd 2  
Project Number: 5935-2026-046

The initial draft for the subject document, is now available for viewing and downloading from the DLA Weapons Support (Columbus)-VA Web site:

<https://landandmaritimeapps.dla.mil/programs/milspec/default.aspx>

Major changes to this document include: Update cancelled reference ASTM-B211 with superseding reference ASTM B211/B211M. Update all else per MIL-STD-961.

Concurrence or comments are required at this Center within 30 days from the date of this letter. Late comments will be held for the next coordination of the document. Comments from military departments must be identified as either "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians of this office, as applicable, in sufficient time to allow for consolidating the department reply. Lack of response to this draft will be construed as concurrence.

If this document is of interest to you, please provide your comments or suggested changes. The point of contact for this document is Ed Pfeifer, phone number 614-693-3034, e-mail [Eddie.Pfeifer@dlamail](mailto:Eddie.Pfeifer@dlamail), or may be mailed via the US Postal Service to DLA WEAPONS SUPPORT, ATTN: VAI (Attention: Ed Pfeifer), P.O. Box 3990, Columbus, OH 43218-3990.

Sincerely,

-/Signed/-  
MUHAMMAD AKBAR  
Acting Chief,  
Interconnection Branch

NOTE: This draft, dated 24 July 2026 prepared by DLA-CC, has not been approved and is subject to modification. DO NOT USE PRIOR TO APPROVAL. (Project 5935-2026-046)

INCH-POUND

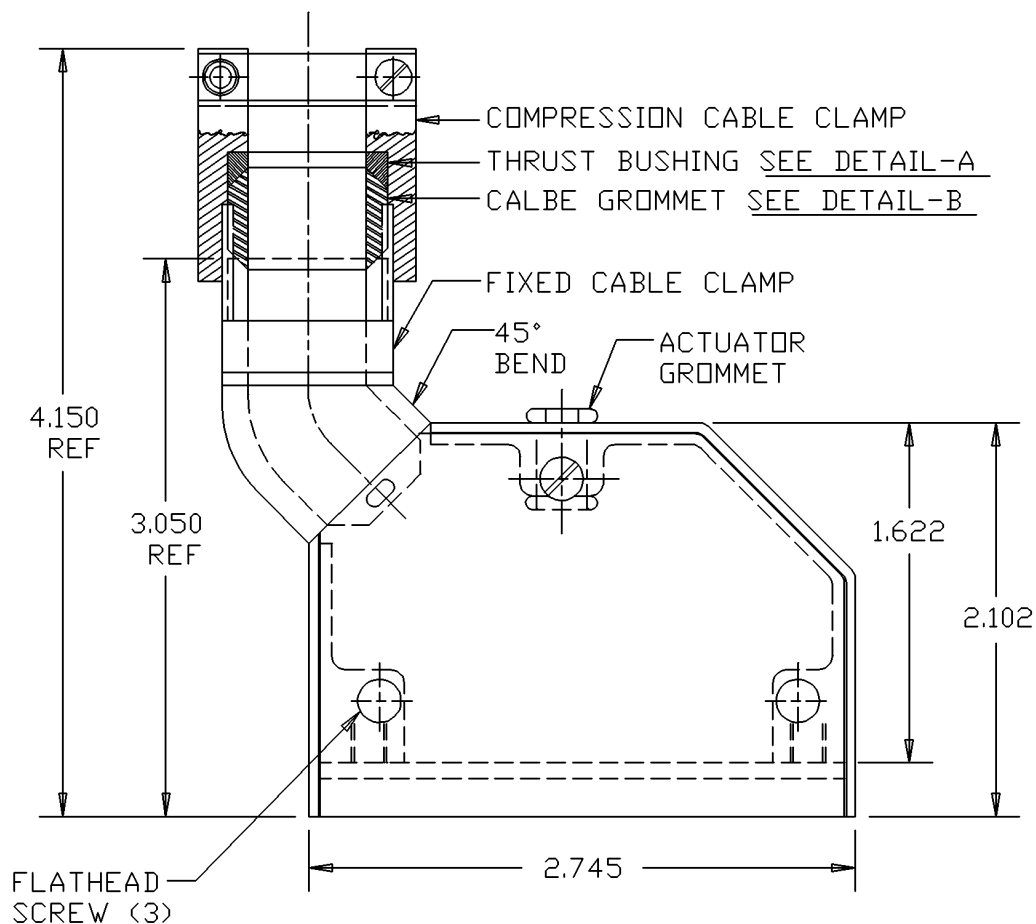
MIL-DTL-28731/38A  
w/AMENDMENT 2  
DRAFT  
SUPERSEDING  
MIL-DTL-28731/38A  
w/AMENDMENT 1  
29 October 2018

## DETAIL SPECIFICATION SHEET

### CONNECTOR, ELECTRICAL, RECTANGULAR SHIELD, FOR USE WITH MIL-DTL-28731/32

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 sheet and MIL-DTL-28731.



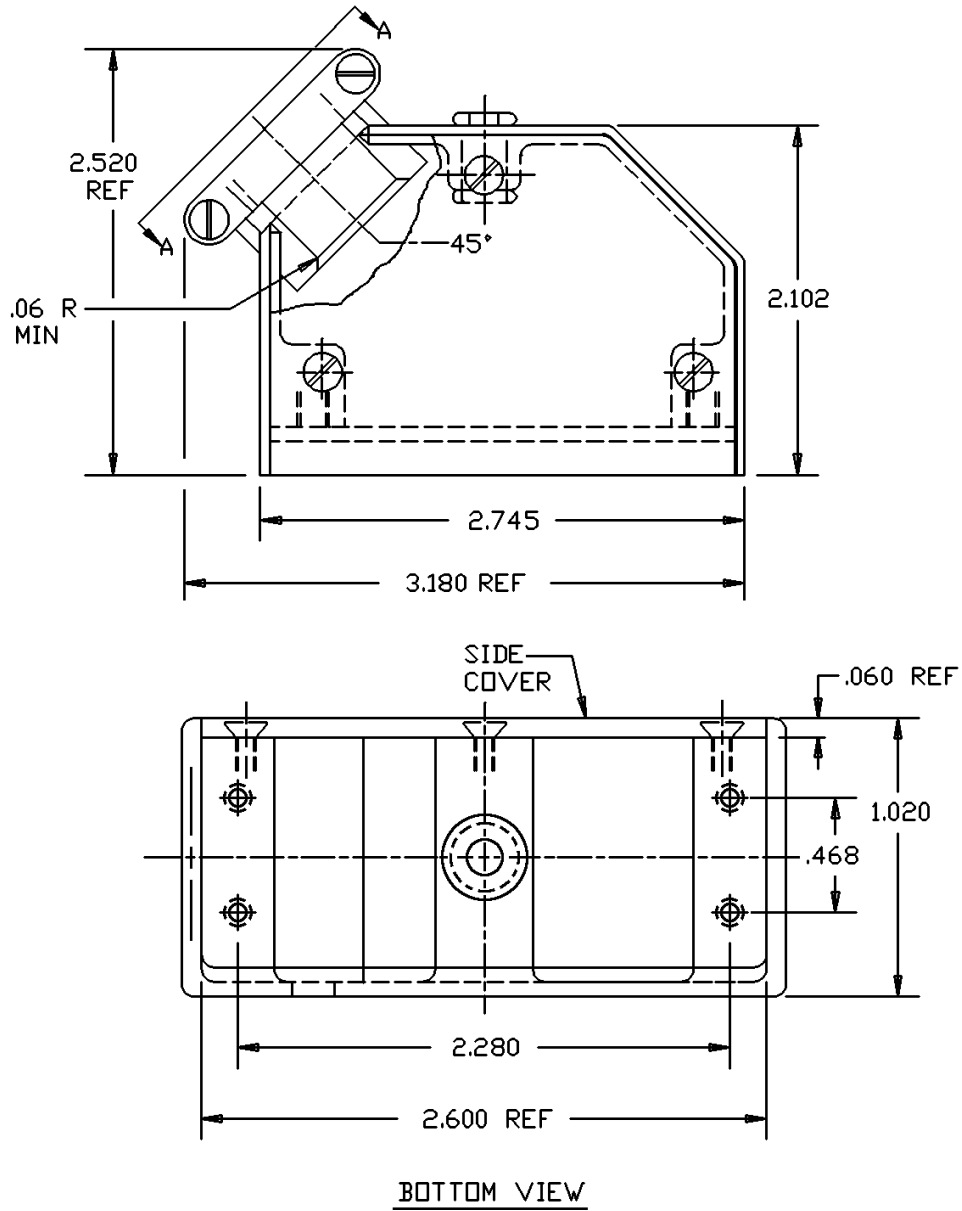
Style A

AMSC N/A  
DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

FSC 5935



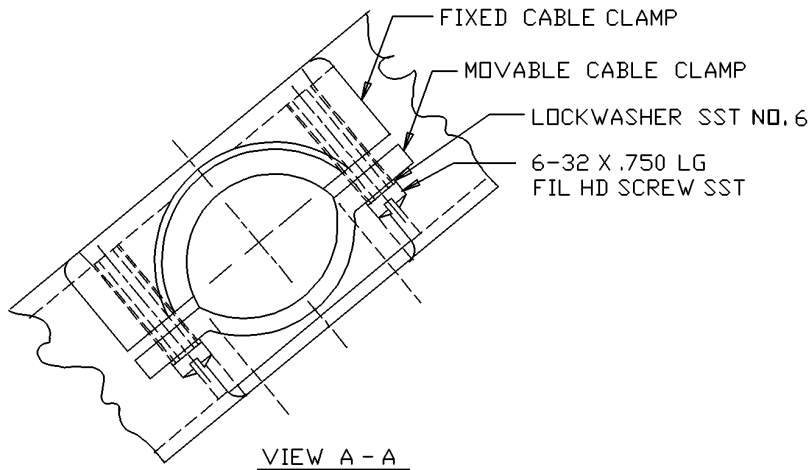
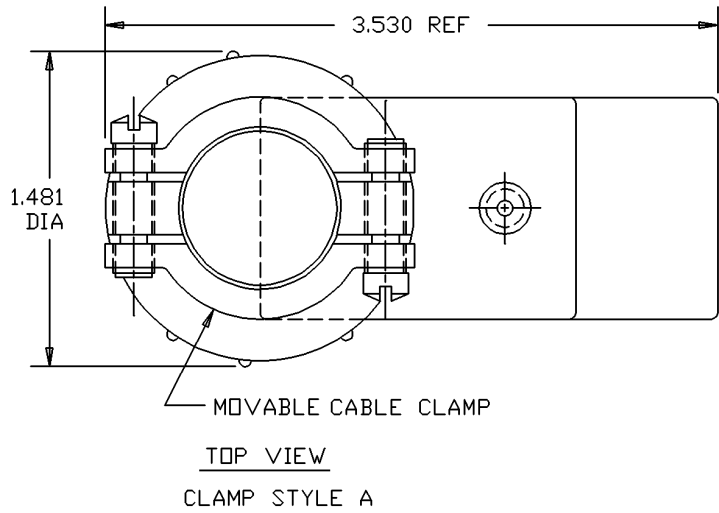
FIGURE 1. Shield rectangular cable clamp.



CONNECTOR MOUNTING  
CLAMP STYLES A AND B

Style B

FIGURE 1. Shield rectangular cable clamp - Continued.



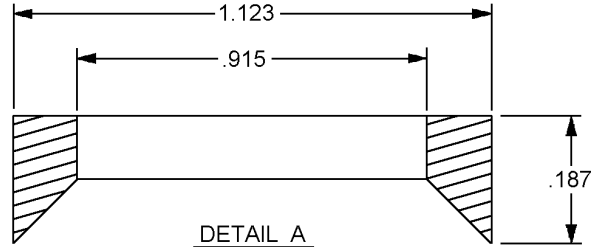
| Inches | mm     |
|--------|--------|
| .060   | 1.52   |
| .468   | 11.89  |
| .750   | 19.05  |
| 1.020  | 25.91  |
| 1.481  | 37.61  |
| 1.622  | 41.20  |
| 2.102  | 53.39  |
| 2.280  | 57.91  |
| 2.520  | 64.00  |
| 2.600  | 66.04  |
| 2.745  | 69.72  |
| 3.050  | 77.47  |
| 3.180  | 80.77  |
| 3.530  | 89.66  |
| 4.150  | 105.41 |

NOTES:

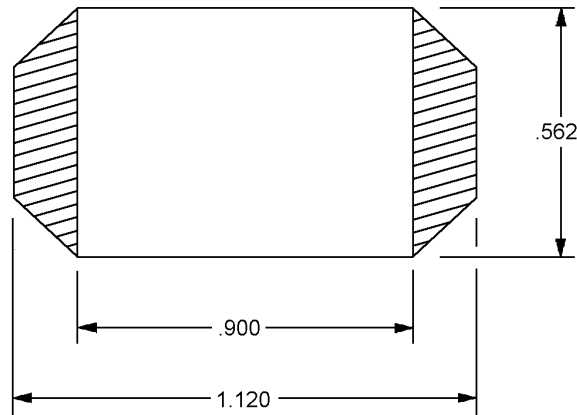
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is  $\pm .015$  (0.37 mm).

FIGURE 1. Shield rectangular cable clamp - Continued.

MIL-DTL-28731/38A  
w/AMENDMENT 2  
DRAFT DATED 24 JULY 2026



DETAIL A  
THRUST BUSHING



DETAIL B  
CABLE GROMMET

| Inches | mm    |
|--------|-------|
| .187   | 4.75  |
| .562   | 14.27 |
| .900   | 22.86 |
| .915   | 23.24 |
| 1.120  | 28.45 |
| 1.123  | 28.52 |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is  $\pm .015$  (0.37 mm).
4. Unless otherwise specified, shields are supplied assembled as shown on figure 1.
5. Shield assembly is used with connector assembly M28731/32-0002.
6. Maximum cable size for both styles is .900 inch diameter.

## REQUIREMENTS

Dimensions and configurations: See Figure 1.

Materials and finishes:

Grommets, actuator, and cable: Rubber, nominal hardness in accordance with ASTM-D2000.

Thrust bushing: Aluminum alloy 2024-14, in accordance with SAE-AMS-QQ-A-225 and ASTM-B211/B211M gold chromate finish.

Compression cable clamp: Aluminum alloy No. 380, ASTM-B85/B85M, and SAE-AMS-4291 olive drab chromate finish.

Hardware:

Shield assemblies are supplied with four No. 4-40 UNC 2A, 0.5 inch screws for mounting shield to insulator.

Packaging:

Complete unit to be packaged in accordance with MIL-STD-2073-1, method 10.

Part or Identifying Number (PIN):

M28731/38-0001: Cable clamp style A.

M28731/38-0002: Cable clamp style B.

Amendment Notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Referenced documents. In addition to MIL-DTL-28731, this document references the following:

|                 |                  |                  |
|-----------------|------------------|------------------|
| ASTM-B85/B85M   | MIL-STD-2073-1   | SAE-AMS-QQ-A-225 |
| ASTM-B211/B211M | MIL-DTL-28731/32 | SAE-AMS-4291     |
| ASTM-D2000      |                  |                  |

MIL-DTL-28731/38A  
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DRAFT DATED 24 JULY 2026

CONCLUDING MATERIAL

Custodians:

Army - CR

Navy - EC

Air Force - 44<sup>85</sup>

DLA - CC

Preparing activity:

DLA - CC

(Project 5935-2026-046)

Review activities:

Army - AR, AT, AV, CR4

Navy - AS, MC, OS

Air Force - 19

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 <https://assist.dla.mil>.