

INCH-POUND

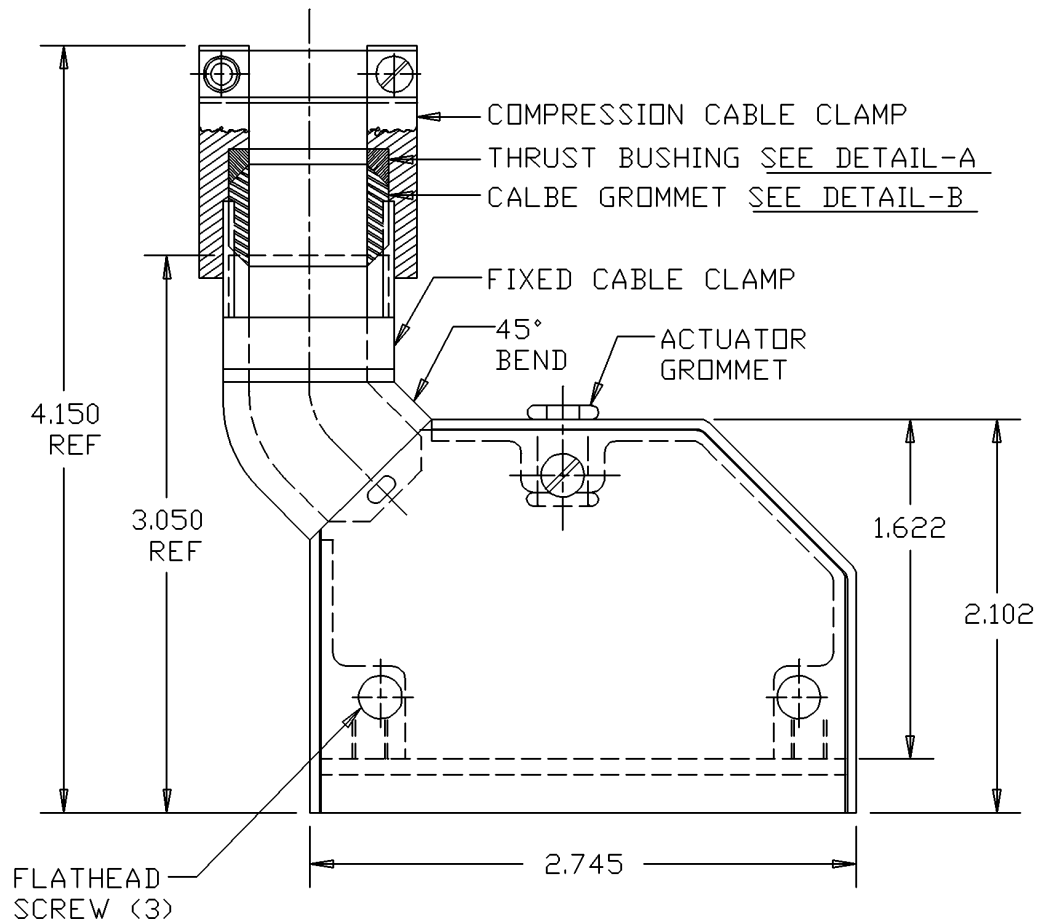
MIL-DTL-28731/38A
w/AMENDMENT 1
29 October 2018
SUPERSEDING
MIL-DTL-28731/38A
15 March 2004

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.



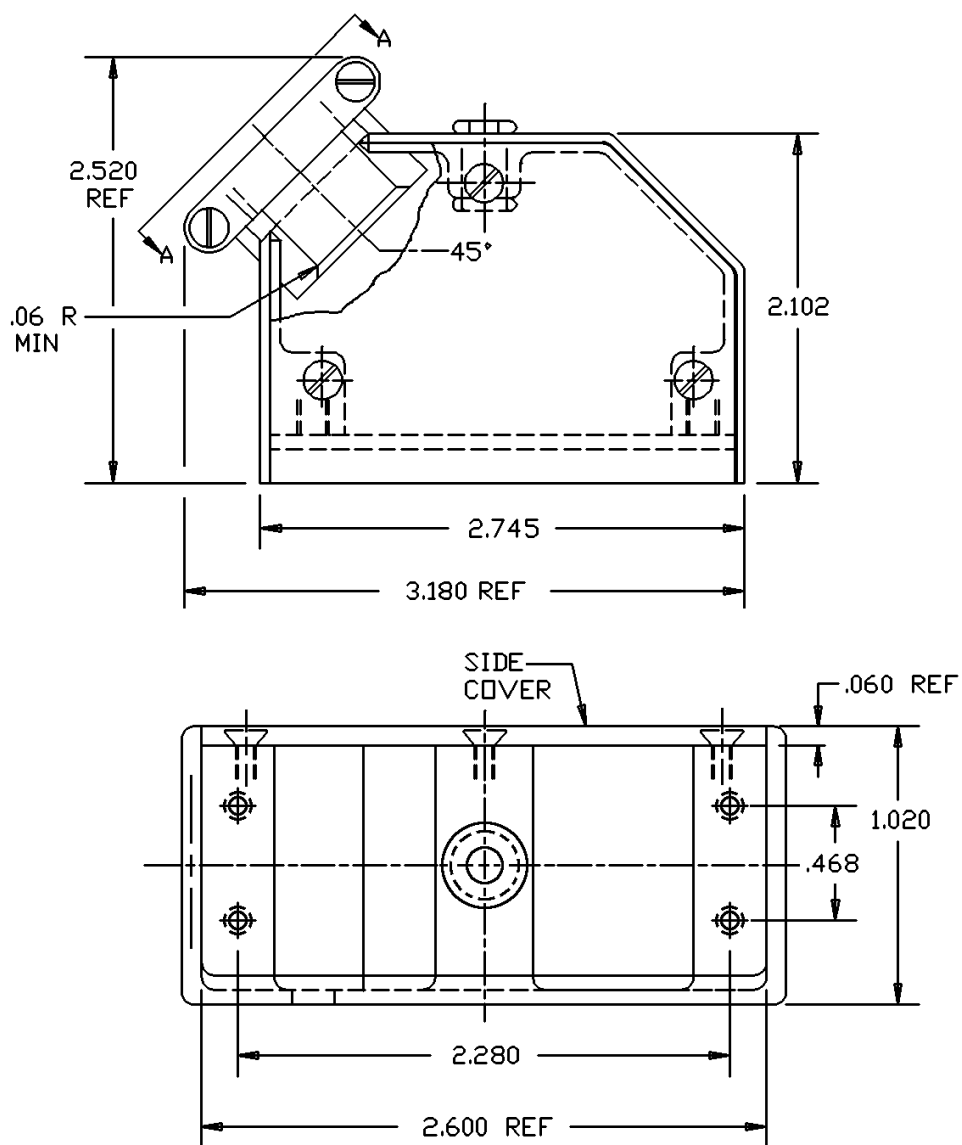
AMSC N/A

FSC 5935



Style A

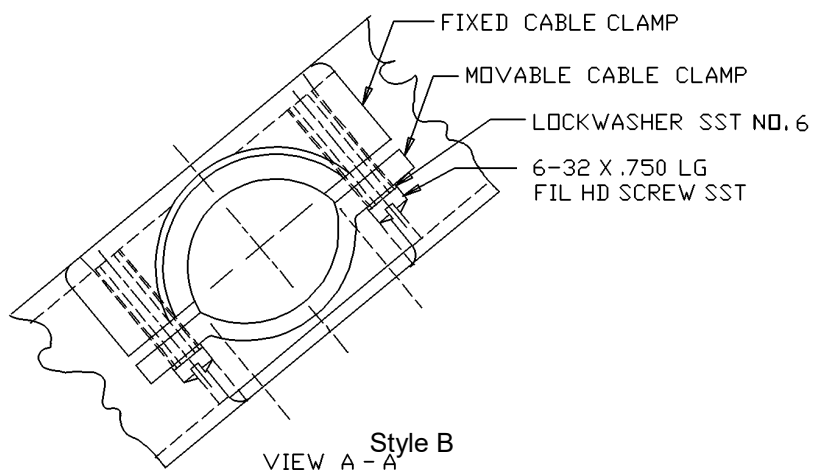
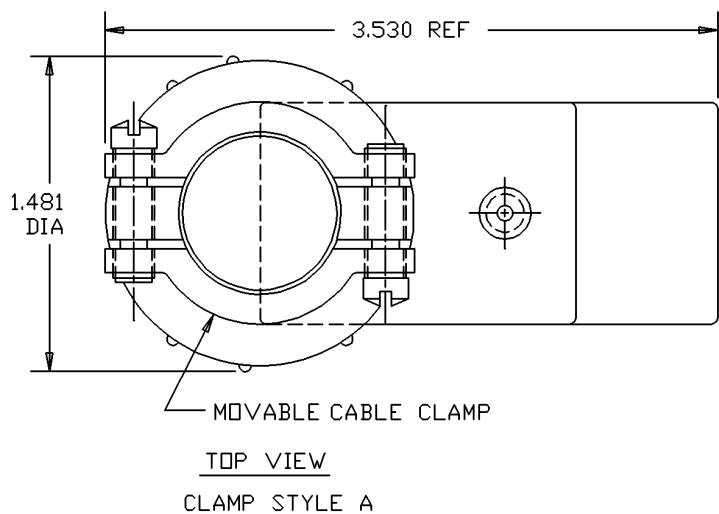
FIGURE 1. Shield rectangular cable clamp.



Style B

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FIGURE 1. Shield rectangular cable clamp - Continued.



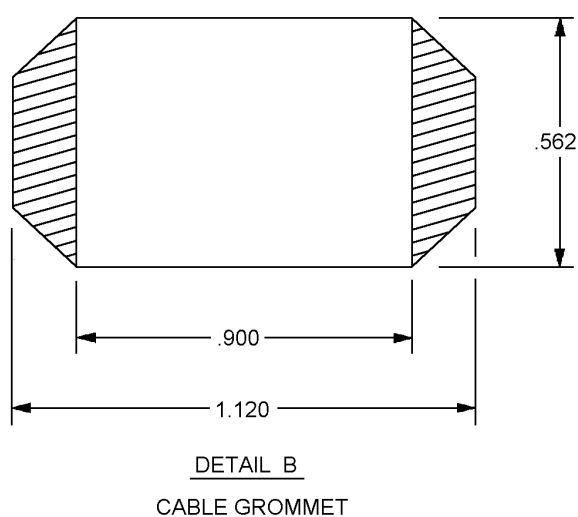
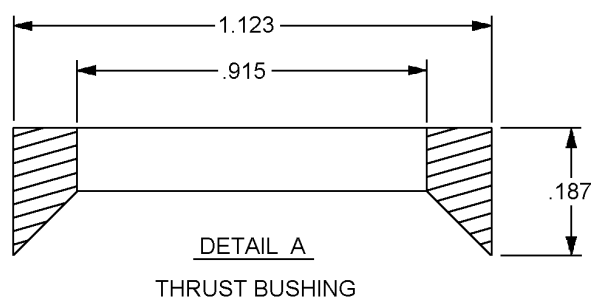
Inches	mm
.060	1.52
.468	11.89
.750	19.05
1.020	25.91
1.481	37.61
1.622	41.20
2.102	53.39
2.280	57.91
2.520	64.00
2.600	66.04
2.745	69.72
3.050	77.47
3.180	80.77
3.530	89.66
4.150	105.41

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).

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FIGURE 1. Shield rectangular cable clamp - Continued.



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.

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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 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	MIL-DTL-28731/32	SAE-AMS-4291
ASTM-D2000		

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CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-2018-152)

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>.