

INCH-POUND

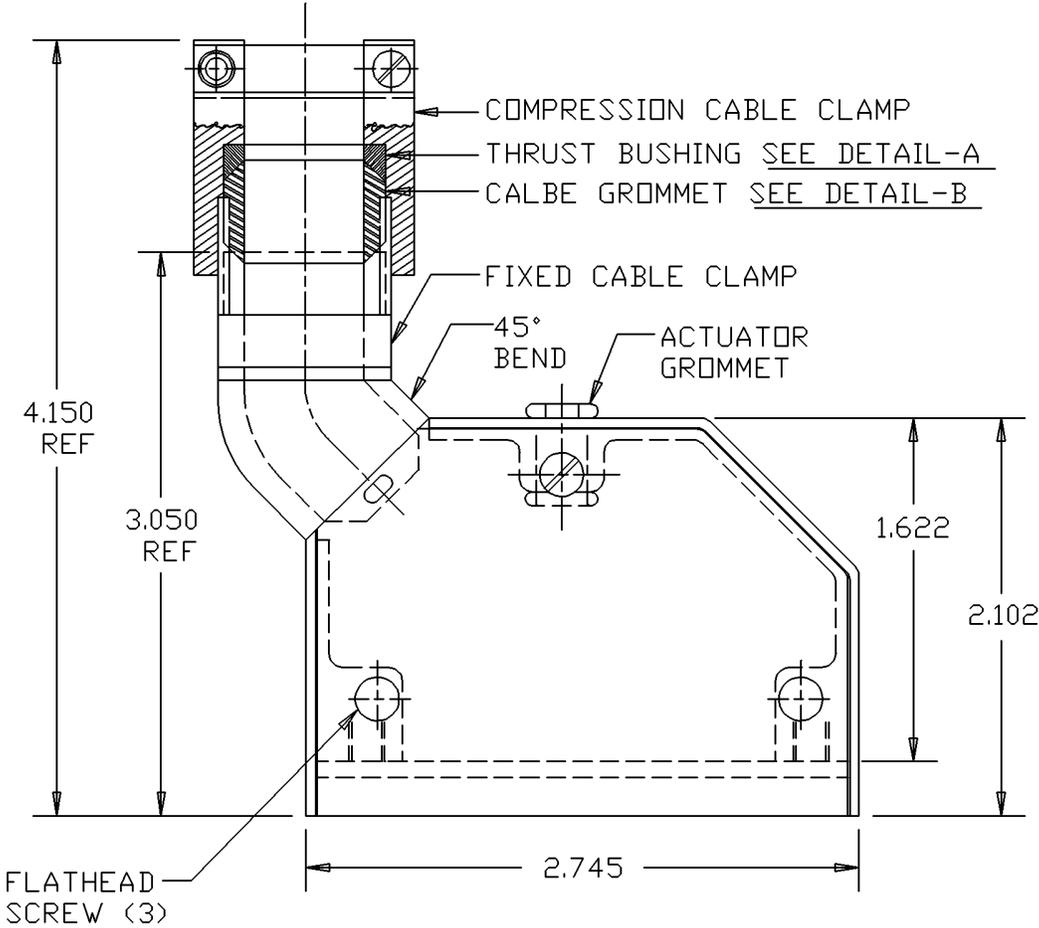
MIL-DTL-28731/38A
15 March 2004
SUPERSEDING
MIL-C-28731/38
15 January 1986

DETAIL SPECIFICATION SHEET

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

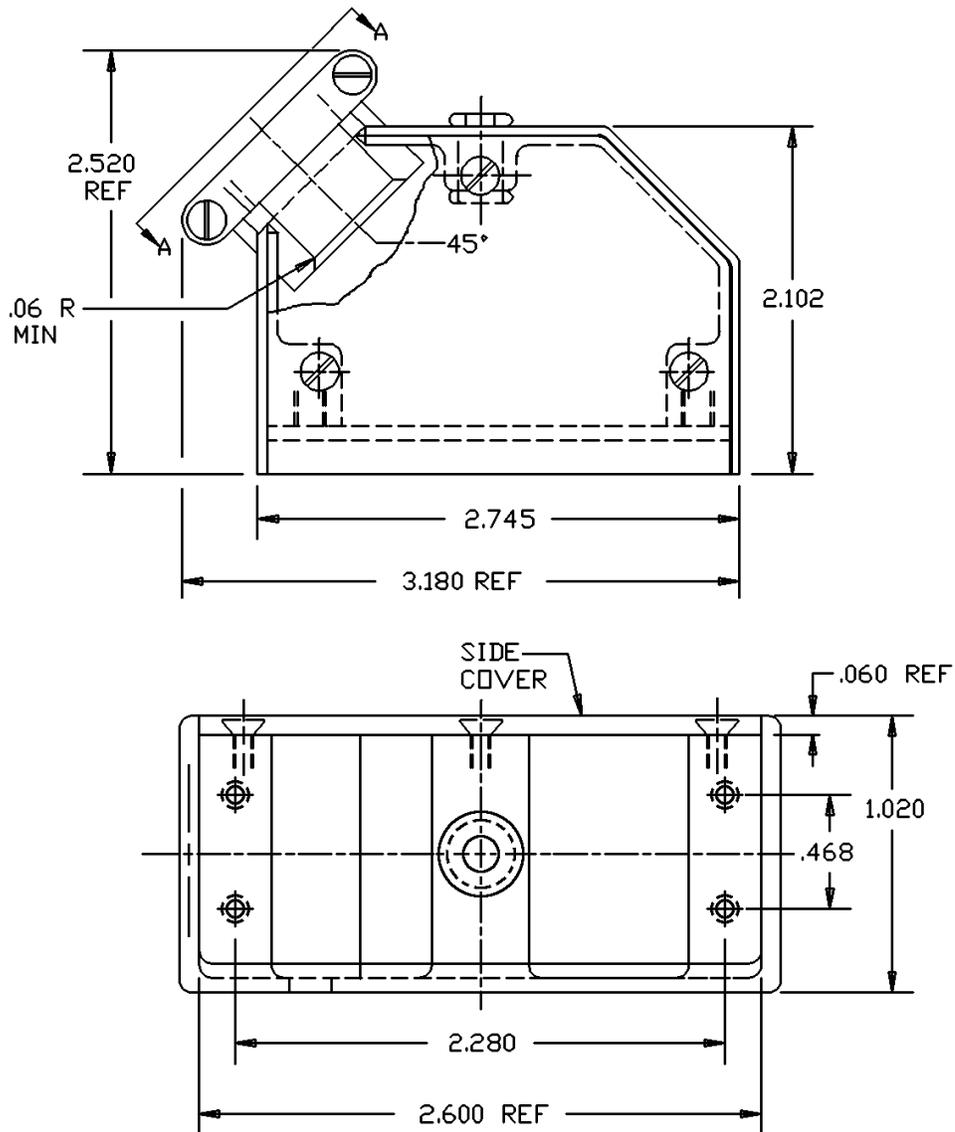
This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and
MIL-DTL-28731.



Style A

FIGURE 1. Shield rectangular cable clamp.

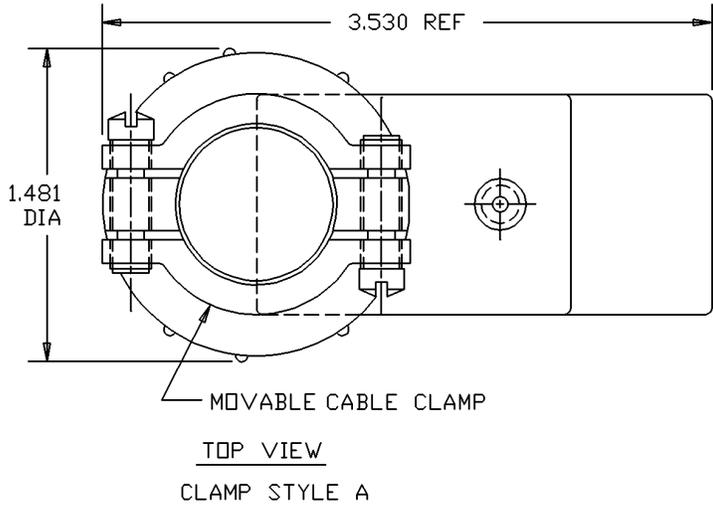


BOTTOM VIEW

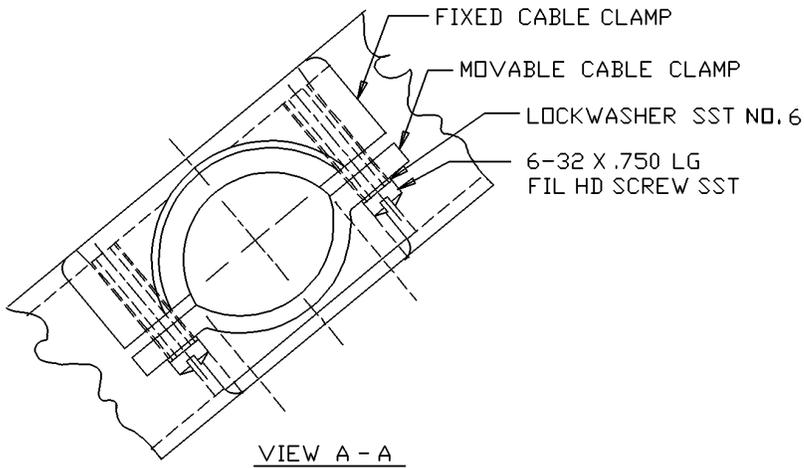
CONNECTOR MOUNTING
CLAMP STYLES A AND B

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

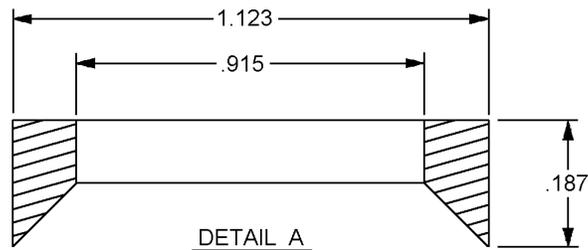


NOTES:

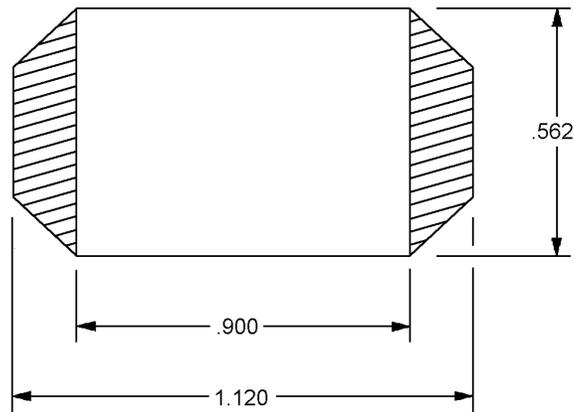
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is $\pm .015$ (0.37 mm).

FIGURE 1. Shield rectangular cable clamp - Continued.

MIL-DTL-28731/38A



THRUST BUSHING



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.

FIGURE 2. Shield rectangular.

REQUIREMENTS

Dimensions and configurations: See figures 1 and 2.

Materials and finishes:

Grommets, actuator, and cable: Rubber, nominal hardness in accordance with ASTM D2000 and RR-S-615.

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, 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.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

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

ASTM B85	MIL-STD-2073-1	RR-S-615
ASTM B211	MIL-DTL-28731/32	SAE-AMS-QQ-A-225
ASTM D2000		SAE-AMS-4291

CONCLUDING MATERIAL

Custodians:

Army - CR

Navy - EC

Air Force - 11

DLA - CC

Preparing activity:

DLA - CC

(Project 5935-4508-008)

Review activities:

Army - AR, AT, AV, CR4

Navy - AS, 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 data at <http://www.dodssp.daps.mil>.