

INCH-POUND

MIL-DTL-15743/7D

27 August 2018

SUPERSEDING

MIL-DTL-15743/7C

28 February 2007

DETAIL SPECIFICATION SHEET

SWITCH, ROTARY, ENCLOSED, SPLASHPROOF,
SNAP ACTION, 125 VOLTS ALTERNATING CURRENT, 10 AMPERE,
SYMBOL 814 (DPST)

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-15743.

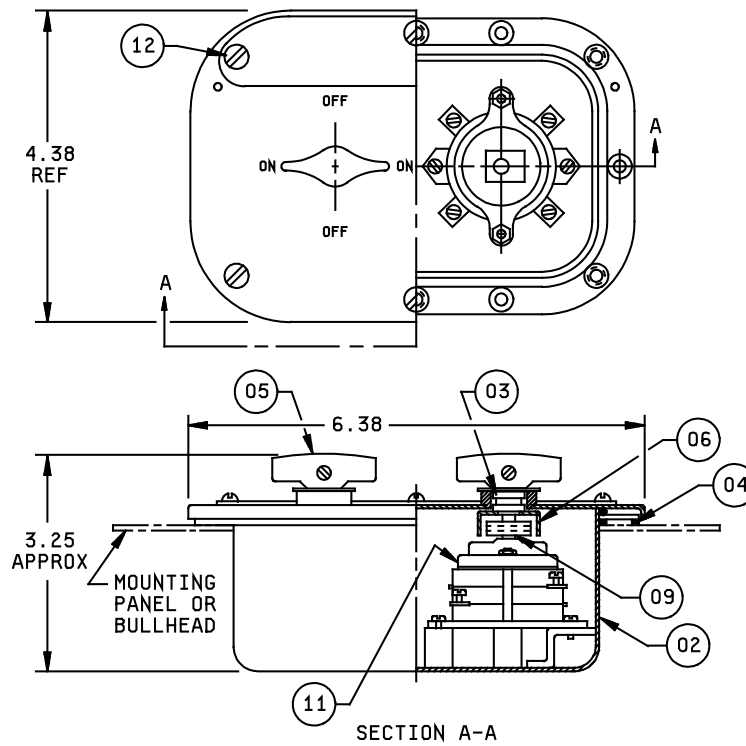


FIGURE 1. Switch, enclosed. ①

NOTES:

1. All dimensions in inches.
2. Unless otherwise specified herein, tolerances shall be as follows:
 - Two place decimals - plus or minus 0.02.
 - Three place decimals - plus or minus 0.005.
 - Angular dimensions – plus or minus 30 minutes

AMSC N/A

FSC 5930



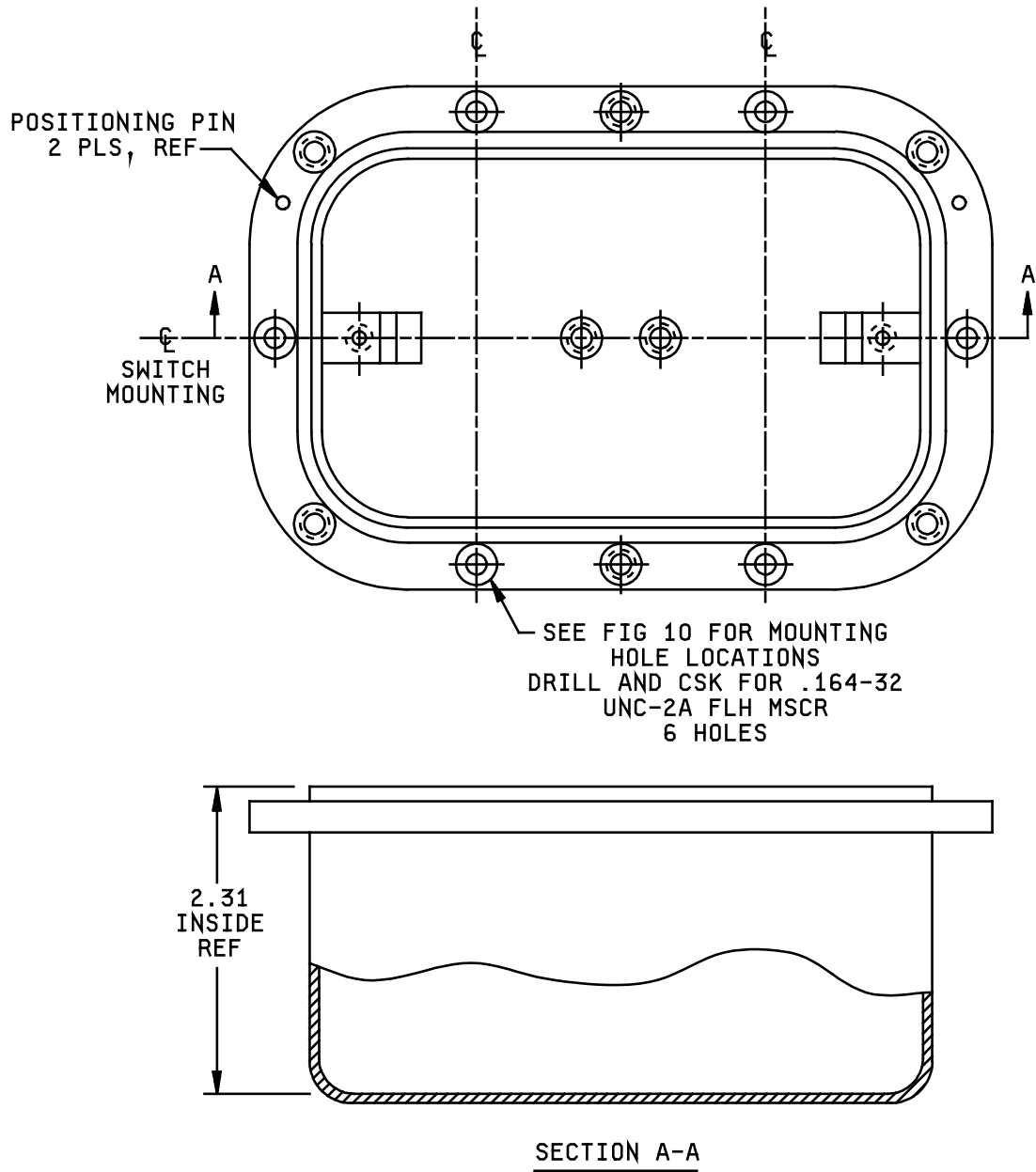


FIGURE 2. Box assembly.

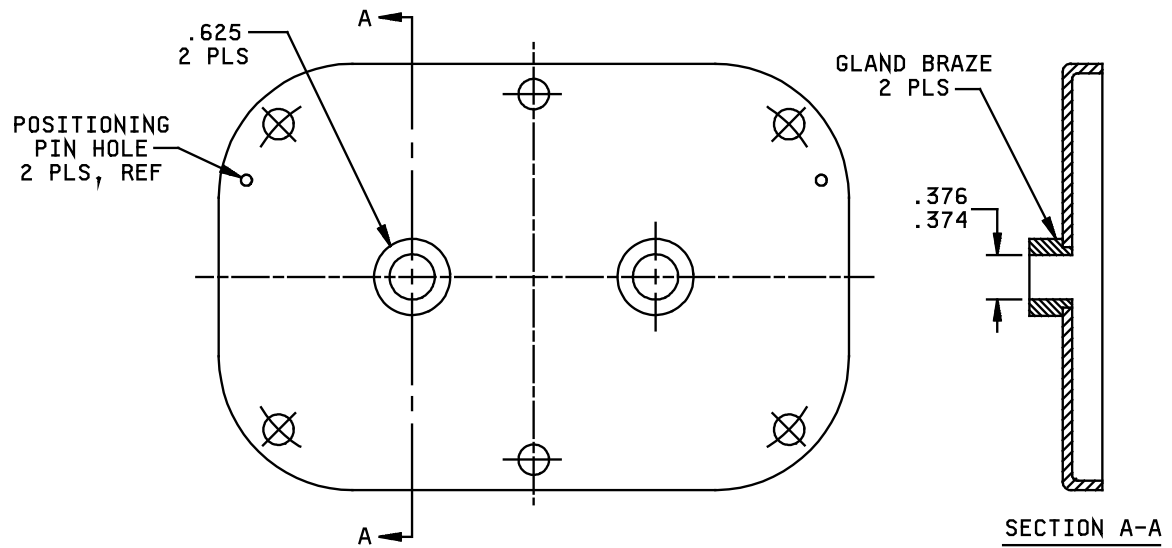


FIGURE 3. Cover assembly.

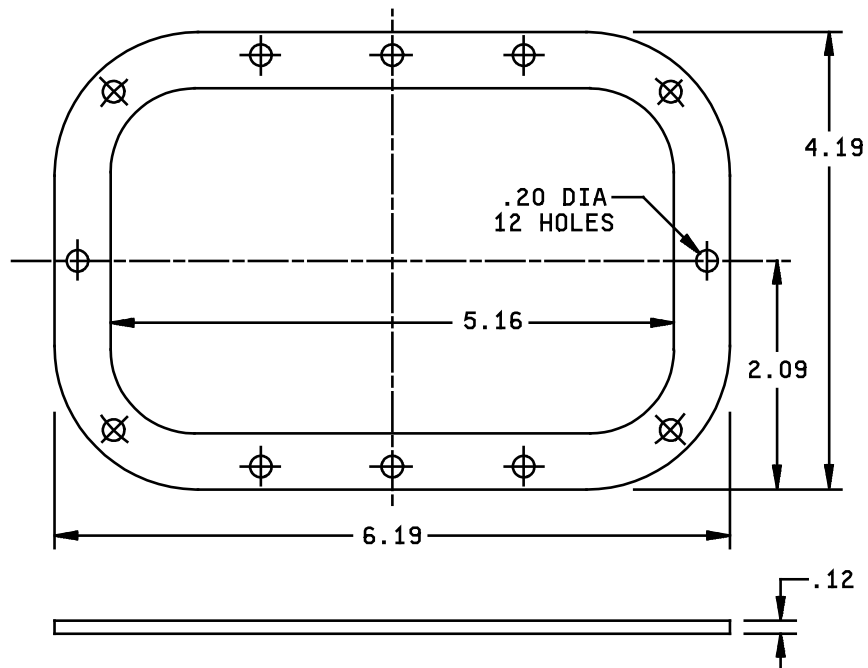


FIGURE 4. Cushion gasket. ④

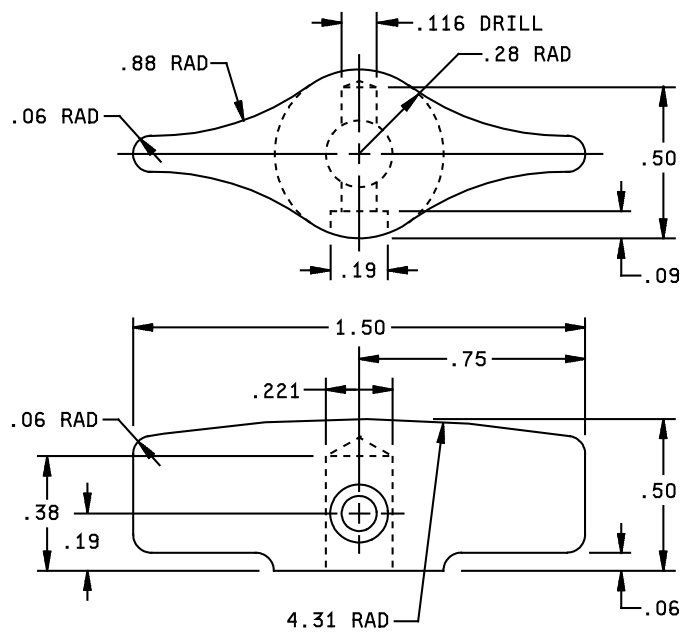


FIGURE 5. Handle. ⑤

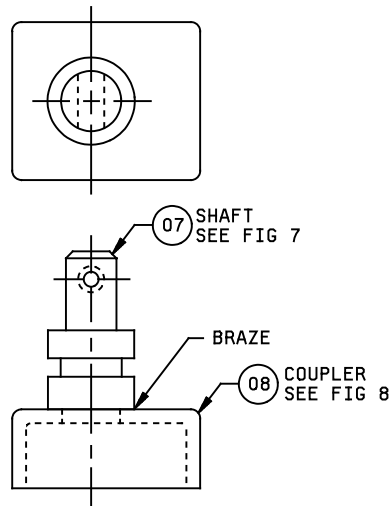


FIGURE 6. Shaft assembly. (06)

63/ ALL OVER, EXCEPT AS NOTED

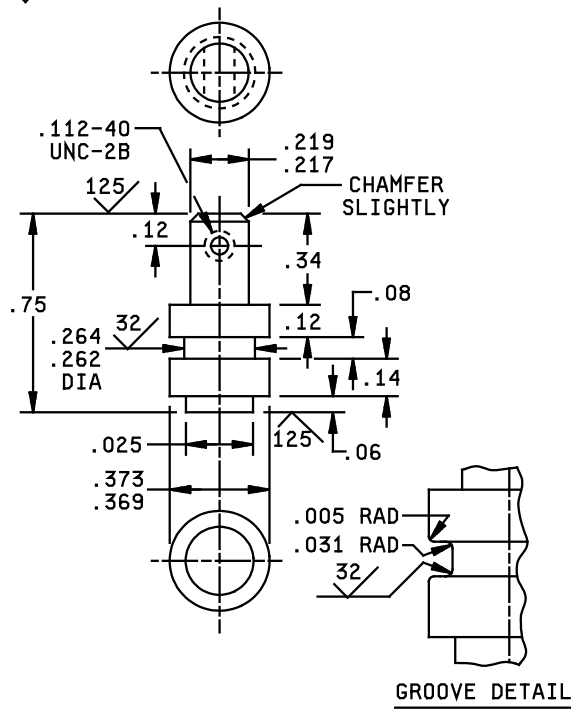


FIGURE 7. Shaft. (07)

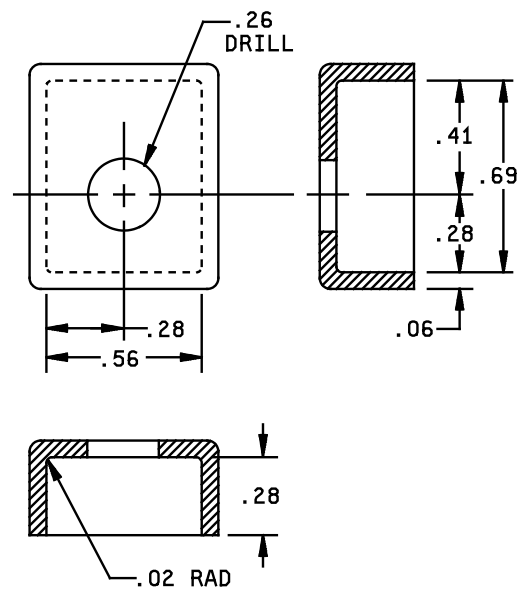


FIGURE 8. Coupler. (08)

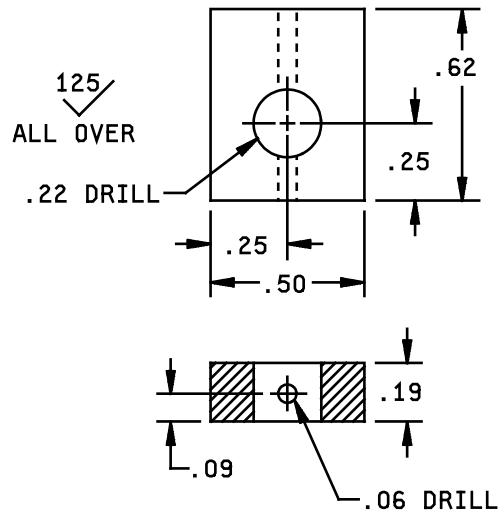


FIGURE 9. Coupler plate. (09)

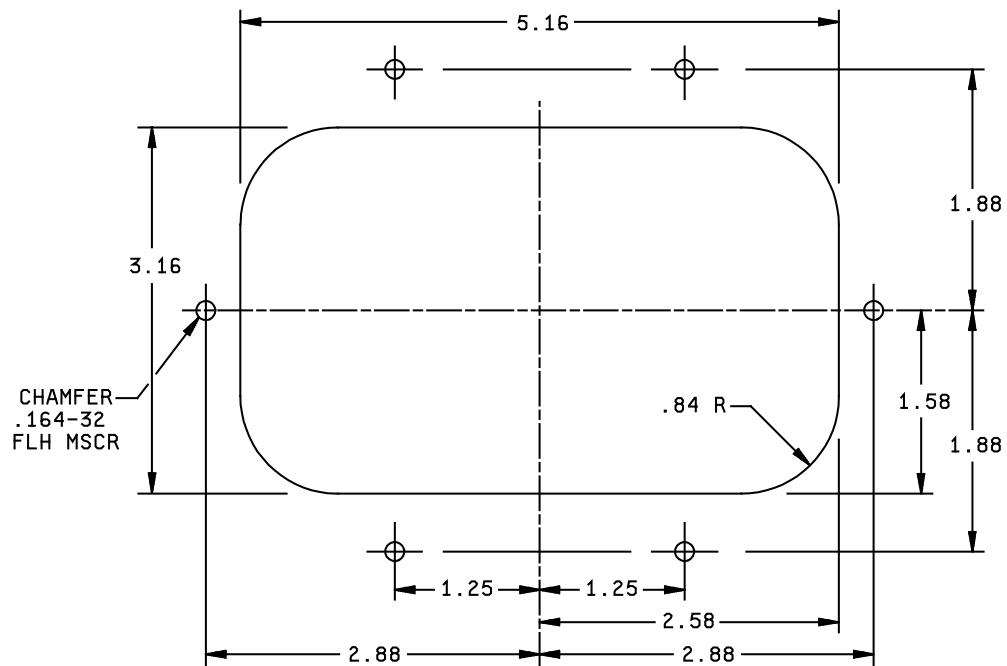


FIGURE 10. Mounting dimensions, ref.

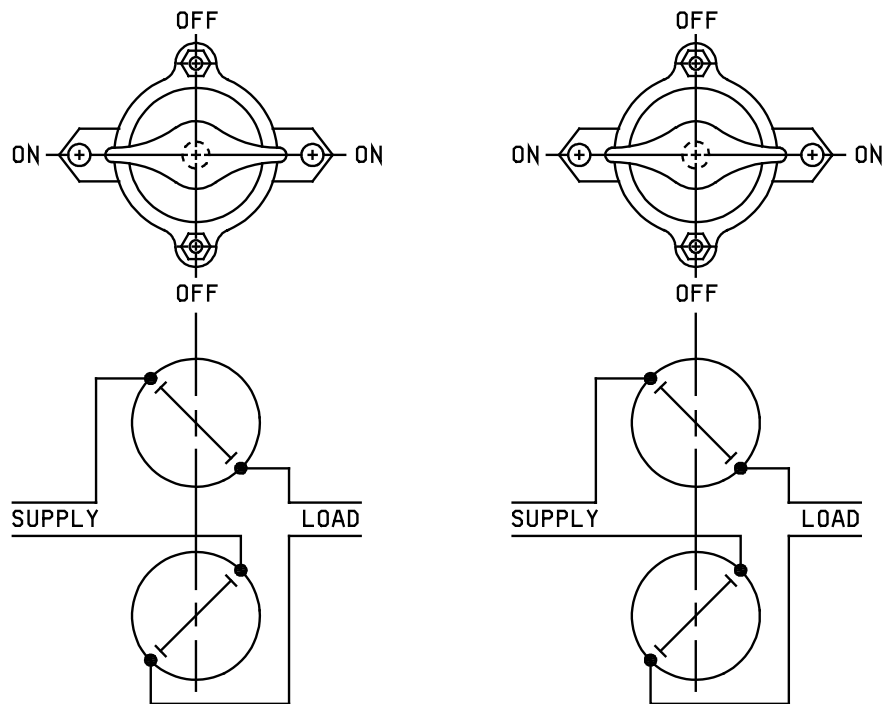


FIGURE 11. Wiring diagram. (09)

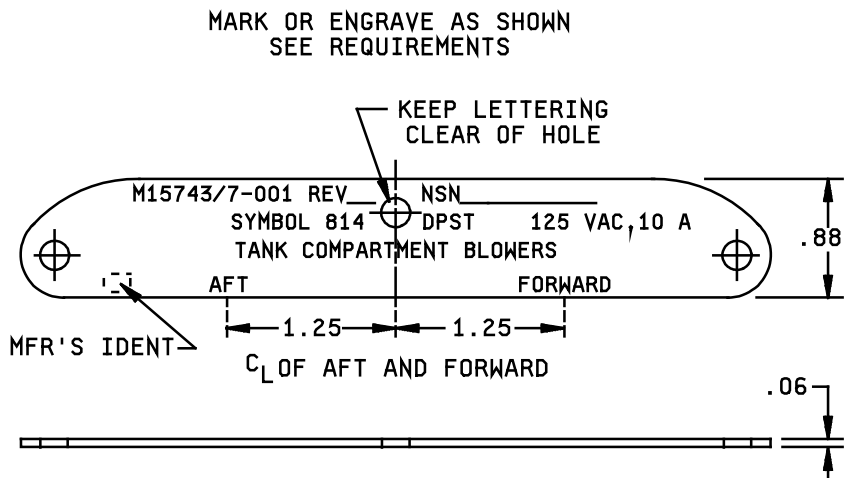


FIGURE 12. Identification plate. (12)

MIL-DTL-15743/7D

REQUIREMENTS

SYMBOL NUMBER: See table I.

DESIGN:

Electrical rating: 125 V ac, 0-10 ampere, 60 Hz.

Dimensions and configuration: See figures 1 through 9.

Wiring diagram: See figure 11.

Mounting dimensions: See figure 10.

Degree of enclosure: Splashproof.

Weight: 3 pounds maximum.

Designation and marking: See figure 11 and 12.

Identification data shall be as shown on figure 12. Unless otherwise specified in the ordering data, ON-OFF switch action marking shall be as shown on figure 11.

Parts: The parts shown in table II and as specified in MIL-DTL-15743 shall be used in the construction of the switches specified herein.

GENERAL INFORMATION:

Military part number and general information are as shown in table I.

TABLE I. Military part number and general information.

Military part no.	Symbol no.	No. of poles and switching characteristics	Supersedes <u>1/</u>		
			Type	Unit	Sheet
M15743/7-001	814	DPST	1SR2A4-4	9	10

1/ NAVSEA Drawing 9000-S6202-74207, in part.

ORDERING DATA:

Acquisition documents should specify the following:

Switch action marking, if required (see requirements).

MIL-DTL-15743/7D

TABLE II. Parts list.

Item no. <u>1</u> /	Description	Quantity M15743/7-001	Material/ specification	Remarks
01	Switch, enclosed (sym 814)	-		See figure 1
02	Enclosure	1	Brass, MIL-E-24142/2 (modified)	M24142/2-001 See figure 2 & 3
03	O-ring	1	SAE-AS28775-010 <u>2</u> /	----
04	Cushion gasket	1	MIL-PRF-900	See figure 4
05	Handle	2	Copper alloy ASTM B584	See figure 5
06	Shaft assembly	2	----	See figure 6
07	Shaft	2	Ni-Cu alloy of QQ-N-281, Stainless Steel, or Brass	See figure 7
08	Coupler	2	Brass, ASTM B36/B36M, ASTM B121/B121M	See figure 8
09	Coupler plate	2	CRES, or equivalent	See figure 9
10	Wiring diagram	1	MIL-DTL-2036	See figure 11
11	Switch (type 1SR1A4)	2	MIL-DTL-15291/3	M15291/3-002
12	Identification	1	ASTM B36/B36M, ASTM B121/B121M	See figure 12a

1/ Numbers in circles shown on the figures are the same as the item numbers shown in this table.

2/ SAE-AS28775-010 details are found in SAE-AS28775.

Referenced documents: In addition to MIL-DTL15743, this document references the following:

MIL-PRF-900	QQ-N-281	SAE-AS28775
MIL-DTL-2036	ASTM-B36/B36M	NAVSEA DWG 9000-S6202-74207
MIL-DTL-15921/3	ASTM-B121/B121M	
MIL-E-24142/2	ASTM-B584	

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. 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 and relationship to the previous issue.

Custodian:
Navy - SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-2018-021)

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/>.