This military standard is approved by the Department of Defense and is mandatory for use by all Departments & Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

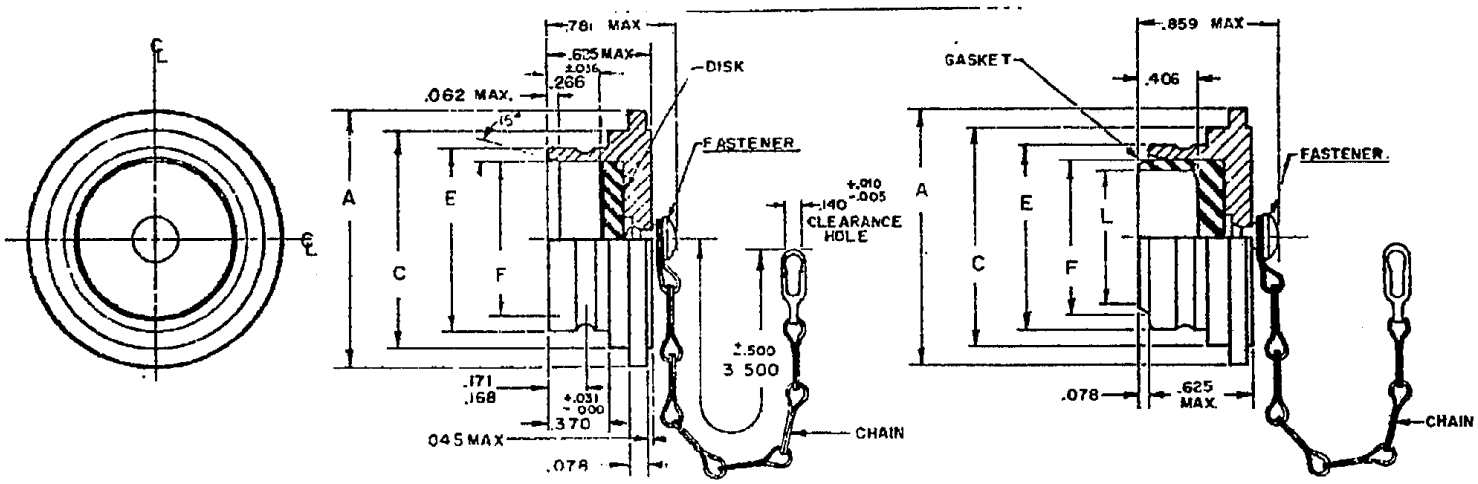
DD FORM 10 APR 64 672

P.A. NAVY-AS
Other Cust USAF-11 ARMY-EL
Procurement Specification MIL-C-81703
International Interest
SUPERSEDES:

TITLE
COVER, PROTECTIVE, ELECTRIC CONNECTOR, PLUG, PUSH-PULL COUPLING

MILITARY STANDARD
MS3182
SHEET 1 OF 1

FED. SUP CLASS 5935



STYLE A
FOR USE WITH SOCKET CONTACT PLUGS

STYLE B
FOR USE WITH PIN CONTACT PLUGS

SHELL SIZE	A MAX DIA. FLANGE	C MAX. DIA. FRONT	E +.006 -.004 SHELL O.D.	F +.003 -.007 SHELL I.D.	L INSERT I.D.
-3	.750	.578	.435	.364	.262
-7	.906	.703	.570	.480	.354
-12	1.093	.828	.704	.621	.490
-19	1.219	1.016	.843	.760	.625
-27	1.374	1.172	.998	.918	.781
-37	1.531	1.266	1.120	1.037	.900

MATERIAL: COVER - ALUMINUM ALLOY CONFORMING TO MIL-C-26482.
CHAIN - STAINLESS STEEL PASSIVATED - CONFORMING TO NAS1455-00.
GASKET - SYNTHETIC RUBBER - MIL-STD-417 55 ±10 DUROMETER
DISK - CLOSED CELL NEOPRENE SPONGE PER MIL-C-3133 CLASS SB OR SC.

EXAMPLE OF PART NO. MS3182 E 19 A

MS NUMBER — CLASS — SIZE — STYLE A FOR USE WITH SOCKET CONTACT PLUGS. B FOR USE WITH PIN CONTACT PLUGS.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCE: DECIMALS ±.016, ANGLES ±1/2.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS.

APPROVED 25 Apr 61 REVISED (A) 10 Sept 62 (B) 25 Jan 65 (C) 26 May 1967 (D) 21 JULY 1971

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