



User activities: Army -  
Navy -  
Air Force -

MI, AR  
Navy - EC, MC, OS  
Air Force - 15, 99  
DLA - ES

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

Review activities:

A Max dia	J Max dia	Shell size	D		H + .50, -.25 Standard chain Length	L Max	LL Max	E Min ring throat	K Max dia	N Max dia	J ±.015
			Max	Min							
.82	.86	9	1.03	.71	3.0			1.03	.70		
.94	.98	11	1.13	.74				1.21	.84		
1.10	1.16	13	1.23	.93				1.40	1.01		
1.22	1.28	15	1.29	.99	3.5			1.60	1.14		
1.34	1.41	17	1.35	1.05		.82		1.70	1.26	.105	
1.46	1.52	19	1.41	1.11				1.80	1.39		
1.58	1.65	21	1.47	1.18				1.92	1.51		
1.70	1.77	23	1.54	1.24	4.0			2.10	1.64		
1.83	1.89	25	1.60	1.30				2.20	1.76	.138	

See pages 1 and 2

P.A AF - 85

Other Cust  
Army - CR  
Navy - AS

International  
Interest

TITLE

COVER, ELECTRICAL CONNECTOR,  
PROTECTIVE, RECEPTACLE, BAYONET  
COUPLING, SERIES I

MILITARY STANDARD

MS27502

Procurement Specification  
MIL-C-38999

SUPERSEDES

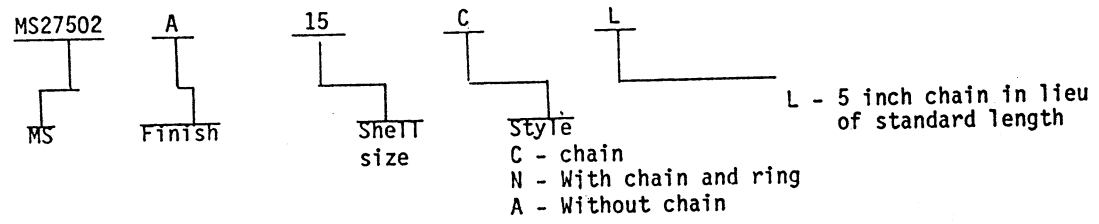
PAGE 2 OF 3

FORM 672  
1 MAY 53

(Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 8 Mar 68 REVISED (H) For

Example of part number



Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.005	0.13	.74	18.8	1.13	28.7	1.39	35.3	1.77	45.0
.010	0.25	.82	20.8	1.14	29.0	1.40	35.6	1.80	45.7
.015	0.38	.84	21.3	1.16	29.5	1.41	35.8	1.83	46.5
.030	0.76	.86	21.8	1.18	30.0	1.46	37.1	1.89	48.0
.094	2.39	.93	23.6	1.21	30.7	1.47	37.3	1.92	48.7
.1	2.5	.94	23.9	1.22	31.0	1.51	38.4	2.10	53.3
.105	2.67	.98	24.9	1.23	31.2	1.52	38.6	2.20	55.9
.138	3.51	.99	25.1	1.24	31.5	1.54	39.1	3.0	76.2
.167	4.24	1.01	25.7	1.26	32.0	1.58	40.1	3.5	88.9
.23	5.8	1.03	26.2	1.28	32.5	1.60	40.6	4.0	101.6
.25	6.4	1.05	26.7	1.29	32.8	1.64	41.7		
.50	12.7	1.10	27.9	1.30	33.0	1.65	41.9		
.70	17.8	1.1	28.0	1.34	34.0	1.70	43.2		
.71	18.0	1.11	28.2	1.35	34.3	1.76	44.7		

- NOTES:
- Dimensions are in inches.
  - Metric equivalents are given for general information only.
  - Material: Cover: Impact extruded or machined aluminum alloy.  
Disk: Silicone elastomer.  
Ring: Stainless steel passivated, .030 maximum thickness.  
Chain: Stainless steel, passivated, conforming to RR-C-271, type II, class 3.  
Fastener: Stainless steel, passivated.
  - Finish: See MIL-C-38999.
  - In the event of conflict between the text of this standard and the referenced cited herein, the text of this standard shall take precedence.
  - Referenced Government documents of the issue listed in that issue of the Department Defense Index of Specifications and Standards (DODISS) specified in the solicitation form a part of this standard to the extent specified herein.
  - The chain shall rotate freely on the cover fastener.
  - Applicable connectors: MIL-C-27599 series I and MIL-C-38999 series I.
  - The protective cover and chain assembly shall withstand a static tensile load of 35 pounds applied along the B reference for 5 minutes.
  - Disk shall be bonded or mechanically retained.
  - Not for space born applications.

User activities: Army - Navy - Air Force -  
 MI, AR - Army - Navy - Air Force -  
 EC, MC, OS - Navy - Air Force -  
 15, 99 - Air Force -  
 ES - DLA -  
 This military Department of and for repetit...  
 is approved for use by all Departments and Agencies of the...  
 Selection for all new engineering and design applications...  
 shall be made from this document when applicable.

APPROVED 8 Mar 68 REVISED (H) For changes see pages 1 and 2

P.A AF - 85	International Interest	TITLE	MILITARY STANDARD
Other Cust Army - CR Navy - AS		COVER, ELECTRICAL CONNECTOR, PROTECTIVE, RECEPTACLE, BAYONET COUPLING, SERIES I	MS27502
Procurement Specification MIL-C-38999		SUPERSEDES:	PAGE 3 OF 3