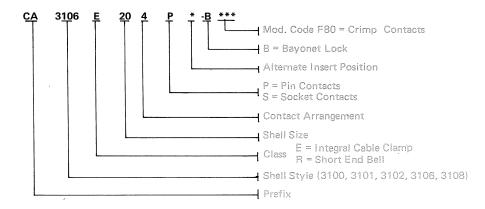
How to Order

The photographs (below), illustrate the Bayonet Lock types available in each of the shell styles illustrated on Pages 22, 23, and 24.



Six Advantages of Bayonet Lock

- 1. Fast coupling and uncoupling
- Vibration resistant loosening of the coupling nut under vibration or shock conditions prevented.
- 3. Unaffected by contaminants such as, dust, sand, etc.
- 4. Audible snap in lock provides for more safety in coupling.
- 5. Water-proof to 10m/30 ft.
- 6. Temperature range -55°C to +125°C

Introduction

The CA Bayonet belong to the family of MS Connectors which were initially developed for aircraft, but which today are internationally used in the electrical equipment of land and sea-borne vehicles, in industrial facilities, telecommunication equipment, radar units, etc.

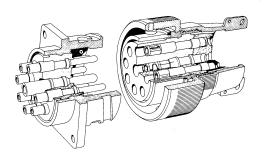
These connectors are interchangeable with all corresponding MS connectors to MIL-C-5015, as they have the same mounting dimensions and contact arrangements. It should be noted, however, that they are not mateable with the standard MS types due to bayonet lock feature.

Design Features

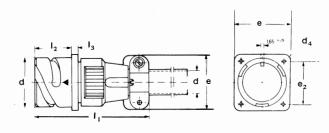
Bayonet lock connectors are rugged, shock and vibration resistant, and suitable for operating in water to a depth of 10 m/30 ft.

An "O" ring and interfacial seal ensure that mating connectors are leak proof and a grommet provides wire sealing. The alignment of three red arrows on the receptacle with three red dots on the plug indicate positive mating. All types shown, although not conforming to, exceed the requirements of German standards VG-95234 and VG-95235 and also MIL-C-5015. For types conforming to VG-95234 and VG-95235, consult factory.





For electrical performance data refer to page 4. For contact arrangements and alternate insert positions refer to pages 5 thru 9. For material information refer to page 14.



Size	d ₁ -0.15	d ₂ max.*	d ₄ +0.2	e ₁ ±0.3	e ₂ ±0.1	l _i max.	1 ₂ +0.4	l ₃ ±0.2
10SL	18.2	6.5	3.2	25.4	18.2	60	18.2	2.8
125	21.4	6.5	3.2	28.0	20.6	60	18.2	3.2
145	24.6	9.0	3.2	30.0	23.0	62	18.2	3.2
165	27.4	11.0	3.2	32.5	24.6	70	18.2	3.2
16	27.4	11.0	3.2	32.5	24.6	70	21.5	3.2
18	30.8	14.2	3.2	35.0	27.0	77	23.05	4.0
20	34.2	15.8	3.2	38.0	29.4	77	23.05	4.0
22	37.4	15.8	3.2	41.0	31.8	77	23.05	4.0
24	40.9	21.4	3.7	44.5	34.9	85	23.05	4.0
28	46.7	21.4	3.7	50.8	39.7	85	24.05	4.0
32	53.4	26.7	4.3	57.0	44.5	85	24.05	4.0
36	59.6	31.7	4.3	63.5	49.2	85	24.05	4.0

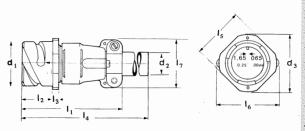
Dimensio	ns are inches							
Size	d _i 005	d ₂ max.*	d ₄ +.007	e ₁ ±.011	e ₂ ±.003	l ₁ max.	l ₂ +.315	l ₃ ±.007
10SL	.716	.255	.125	1.000	.716	2.362	.716	.110
125	.842	.255	.125	1.102	.811	2.362	.716	.125
145	, .968	.354	.125	1.181	.905	2.440	.716	.125
165	1.078	.433	.125	1.279	.968	2.755	.716	.125
16	1.078	.433	.125	1.377	.968	2.755	.846	.125
18	1.212	.559	.125	1.496	1.062	3.031	.907	.157
20	1.346	.622	.125	1.614	1.157	3.031	.907	.157
22	1.472	.622	.125	1.751	1.251	3.031	.925	.157
24	1.610	.842	.145	2.000	1.374	3.346	.925	.157
28	1.838	1.051	.145	2.244	1.562	3.346	.946	.157
32	2.102	1.051	.169	2.244	1.751	3.346	.946	.157
36	2.346	1.248	.169	2.500	1.937	3.346	.946	.157

^{*} max. outside cable diameter

e ₁ 165 ^{-0.25} 165 ^{-0.25} 162 165 ^{-0.25} 162 163 165 ^{-0.25} 162 163 165 ^{-0.25} 164 165 ^{-0.25} 165
1 ₂ 1 ₃ 1 ₃ 1 ₆₅ 0.25 d.25 d.25 d.25 d.25 d.25 d.25 d.25 d

Dimens	ions are mm		S. Carrier						
Size	d ₁	d ₂	d ₃	e _i	e ₂	e ₃	l ₁	1,	l ₃
	-0.15	+0.2	+0.2	±0.3	±0.1	max.	max.	+0.4	±0.2
10SL	18.2	3.2	9.6	25.4	18.2	25.5	46	18.2	2.8
125	21.4	3.24	10.3	28.0	20.6	25.5	47	18.2	3.2
145	24.6	3.2	12.4	30.0	23.0	30.0	46	18.2	3.2
165	27.4	3.2	15.4	32.5	24.6	33.0	53	18.2	3.2
16	27.4	3.2	15.4	32.5	24.6	33.0	53	21.5	3.2
18	30.8 .	3.2	18.4	35.0	27.0	38.0	60	23.05	4.0
20	34.2	3.2	22.0	38.0	29.4	41.0	60	23.05	4.0
22	37.4	3.2	24.7	41.0	31.8	41.0	60	23.05	4.0
24	40.9	3.7	27.6	44.5	34.9	49.0	61	23.05	4.0
28	46.7	3.7	31.6	50.8	39.7	49.0	61	24.05	4.0
32	53.4	4.3	38.5	57.0	44.5	57.0	61	24.05	4.0
36	59.6	4.3	44.5	63.5	49.2	62.0	61	24.05	4.0

Size	d,	d,	d ₃	e,	e,	e,			
	005	+.007	.007	±.011	±.003	max.	max.	1 ₂ +.015	1 ₃
10SL	.716	.125	.377	1.000	.716	1.003	1.811	.716	.110
125	.842	.125	.405	1.102	.811	1.003	1.850	.716	.125
145	.968	.125	:488	1.181	.905	1.181	1.811	.716	.125
165	1.078	.125	.606	1.279	.968	1.299	2.086	.716	.125
16	1.078	.125	.606	1.279	.968	1.299	2.086	.846	.125
18	1.212	.125	.724	1.377	1.062	1.496	2.362	.907	.157
20	1.346	.125	.866	1.496	1.157	1.614	2.362	.907	.157
22	1.472	.125	.977	1.614	1.251	1.614	2.362	.907	.157
24	1.610	.145	1.086	1.751	1.374	1.929	2.401	.907	.157
28	1.838	.145	1.244	2.002	1.562	1.929	2.401	.946	.157
32	2.102	.169	1.515	2.244	1.751	2.244	2.401	.946	.157
36	2.346	.169	1.751	2.500	1.937	2,440	2.401	.946	.157

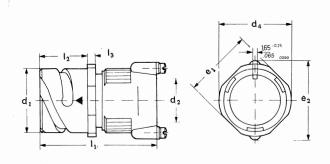


CA310 CA310 Dimens										
Size	d ₁	d₂∗	d ₃	l ₁	l ₂	l ₃	14	I _s	I ₆	1,
	-0.15		+0.3	max.	+0.4	±0.2	max.	±0.2	max.	max
10SL	18.2	6.5	24.9	60	18.2	2.8	120	20.6	25.5	22.7
125	21.4	6.5	27.5	60	18.2	3.2	120	23.6	25.5	22.7
145	24.6	9.0	29.5	62	18.2	3.2	117	25.4	30.0	27.5
165	27.4	11.0	32.0	70	18.2	3.2	115	28.6	33.0	30.0
16	27.4	11.0	32.0	70	21.5	3.2	125	28.6	33.0	30.0
18	30.8	14.2	34.5	. 77	23.05	4.0	124	31.7	38.0	32.2
20	34.2	15.8	37.5	77	23.05	4.0	121	34.9	41.0	37.5
22	37.4	15.8	40.8	77	23.05	4.0	121	38.1	41.0	37.5
24	40.9	21.4	44.3	85	23.05	4.0	125	41.3	49.0	43.3
28	46.7	21.4	50.6	85	24.05	4.0	125	47.6	49.0	43.3
32.	53.4	26.7	56.8	85	24.05	4.0	122	54.0	57.0	51.7
36	59.6	31.7	63.3	105	24.05	4.0	135	60.6	62.0	58.0

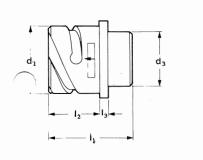
Size	d ₁	d ₂ *	d ₃	l ₁	l ₂	13	14	15	16	1,
	005	20176	+.011	max.	+.015	±.007	max.	±.007	max.	max.
10SL	.716	.255	.980	2.362	.716	.110	4.724	.811	1.003	.893
125	.842	.255	1.082	2.362	.716	.125	4.724	.929	1.003	.893
145	.968	.354	1.161	2.440	.716	.125	4.606	1.100	1.181	1.082
165	1.078	.433	1.259	2.755	.716	.125	4.527	1.125	1.299	1.181
16	1.078	.433	1.259	2.755	.846	.125	4.921	1.125	1.299	1.181
18	1.212 .	.559	1.358	3.031	.907	.157	4.881	1.248	1.496	1.267
20	1.346	.622	1.476	3.031	.907	.157	4.763	1.374	1.614	1.476
22	1.472	.622	1.606	3.031	.907	.157	4.763	1.500	1.614	1.476
24	1.610	.842	1.744	3.346	.907	.157	4.763	1.625	1.929	1.704
28	1.818	.842	1.992	3.346	.946	.157	4.763	1.874	1.929	1,704
32	2.102	1.051	2.236	3.346	.946	.157	4.803	2.125	2.244	2.035
36	2.346	1.248	2.492	4.135	.946	.157	5.315	2.385	2.440	2.283

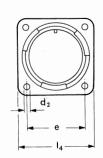
^{*} max permissible outside diameter of cable

CA3106E-B-*

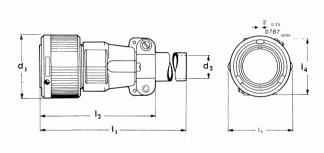


Dimensio	(Asiation Co.			Contraction Charge	Service Control of the Control of th		100000	
Size	d ₁ —.015	d ₂ ±.02	d ₄ +0.3	e ₁ ±0.2	e ₂ max.	l _i max.	1 ₂ +0.4	1 ₃ ±0.2
10SL	18.2	9.6	24.9	20.6	25.5	46	18.2	2.8
125	21.4	10.3	27.5	23.6	25.5	47	18.2	3.2
145	24.6	12.4	29.5	25.4	30.0	46	18.2	3.2
165	27.4	15.4	32.0	28.6	33.0	53	18.2	3.2
16	27.4	15.4	32.0	28.6	33.0	53	21.5	3.2
18	30.8	18.4	34.5	31.7	38.0	60	23.05	4.0
20	34.2	22.0	37.5	34.9	41.0	60	23.05	4.0
22	37.4	24.7	40.8	38.1	41.0	60	23.05	4.0
24	40.9	27.6	44.3	41.3	49.0	61	23.05	4.0
28	46.7	31.6	50.6	47.6	49.0	61	24.05	4.0
32	53.4	38.5	56.8	54.0	57.0	61	24.05	4.0
36	59.6	44.5	63.3	60.6	62.0	61	24.05	4.0
36 Dimensio	59.6 ons are inches	44.5 d ₂	63.3 d ₄	60.6 e ₁			l ₂	l ₃
36 Dimensio	59.6 ons are inches	44.5	63.3	60.6	62.0	61		l ₃
Dimension	59.6 ons are inches d ₁ 005	d ₂ ±.007	63.3 d ₄ +.011	60.6 e ₁ ±.007	62.0 e ₂ max. 1.003	61 I ₁ max. 1.811	l ₂ +.015	I ₃ ±.00
Dimension	59.6 ons are inches d ₁ 005	d ₂ ±.007	63.3 d ₄ +.011 .980 1.082	60.6 e ₁ ±.007	62.0 e ₂ max.	I ₁ max. 1.811 1.850	l ₂ +.015	l ₃ ±.00
Dimension Size	59.6 ons are inches d ₁ 005	d ₂ ±.007	63.3 d ₄ +.011 .980 1.082 1.161	60.6 e ₁ ±.007 .811 .929 1.000	62.0 e ₂ max. 1.003	61 I ₁ max. 1.811	l ₂ +.015 .716 .716 .716	l ₃ ±.00
Dimension	59.6 ons are inches d ₁ 005 .716 .842	d ₂ ±.007	63.3 d ₄ +.011 .980 1.082	60.6 e ₁ ±.007 .811 .929	e ₂ max. 1.003 1.003	I ₁ max. 1.811 1.850	l ₂ +.015 .716	l ₃ ±.00 .110 .125
Dimension Size	59.6 ons are inches d ₁ 005 .716 .842 .968 1.078	d ₂ ±.007 .377 .405 .488 .606 .606	d ₄ +.011 .980 1.082 1.161 1.259	e ₁ ±.007 .811 .929 1.000 1.125	e ₂ max. 1.003 1.003 1.181 1.299 1.299	61 I ₁ max. 1.811 1.850 1.811 2.086 2.086	1 ₂ +.015 .716 .716 .716 .716 .846	l ₃ ±.00 .110 .125 .125
36 Dimension Size 10SL 12S 14S 16S 16 18	59.6 ons are inches d ₁ 005 .716 .842 .968 1.078	d ₂ ±.007 .377 .405 .488 .606	d ₄ +.011 .980 1.082 1.161 1.259	e ₁ ±.007 .811 .929 1.000 1.125	e ₂ max. 1.003 1.003 1.181 1.299	1, max. 1.811 1.850 1.811 2.086	l ₂ +.015 .716 .716 .716 .716	1 ₃ ±.00 .110 .125 .125 .125
Dimension Size 10SL 12S 14S 16S 16 18 20	59.6 ons are inches d ₁ 005 .716 .842 .968 1.078	d ₂ ±.007 .377 .405 .488 .606 .606	d ₄ +.011 .980 1.082 1.161 1.259	e ₁ ±.007 .811 .929 1.000 1.125	e ₂ max. 1.003 1.003 1.181 1.299 1.299	61 I ₁ max. 1.811 1.850 1.811 2.086 2.086	1 ₂ +.015 .716 .716 .716 .716 .846	1 ₃ ±.00 .110 .125 .125 .125 .125
Dimension Size 105L 125 145 165 16 18 20 22	59.6 ons are inches d ₁ 005 .716 .842 .968 1.078 1.078 1.212	d ₂ ±.007 .377 .405 .488 .606 .606	d ₄ +.011 .980 1.082 1.161 1.259 1.259 1.358	e ₁ ±.007 .811 .929 1.000 1.125 1.125	e ₂ max. 1.003 1.003 1.181 1.299 1.299	1, max. 1.811 1.850 1.811 2.086 2.086 2.362	l ₂ +.015 .716 .716 .716 .716 .846	l ₃ ±.00 .110 .125 .125 .125 .125 .157 .157
Dimension Size 10SL 12S 14S 16S 16 18 20	59.6 ons are inches d ₁ 005 .716 .842 .968 1.078 1.078 1.212 1.346	44.5 d ₂ ±.007 .377 .405 .488 .606 .606 .724 .866	d ₄ +.011 .980 1.082 1.161 1.259 1.358 1.476	e ₁ ±.007 .811 .929 1.000 1.125 1.125 1.248 1.374	62.0 e ₂ max. 1.003 1.181 1.299 1.299 1.496 1.614	61 I ₁ max. 1.811 1.850 1.811 2.086 2.086 2.362 2.362	1 ₂ +.015 .716 .716 .716 .716 .907	l ₃ ±.00 .110 .125 .125 .125 .125 .157
Dimension Size 105L 125 145 165 16 18 20 22 24	59.6 ons are inches d ₁ 005 .716 .842 .968 1.078 1.078 1.212 1.346 1.472	44.5 d ₂ ±.007 .405 .488 .606 .606 .724 .866 .972	d ₄ +.011 .980 1.082 1.161 1.259 1.259 1.358 1.476 1.606	60.6 e ₁ ±.007 .811 .929 1.000 1.125 1.125 1.248 1.374 1.500	e ₂ max. 1.003 1.003 1.181 1.299 1.496 1.614 1.614	l, max. 1.811 1.850 1.811 2.086 2.362 2.362 2.362	1 ₂ +.015 .716 .716 .716 .716 .846 .907 .907	l ₃ ±.00 .110 .125 .125 .125 .125 .157 .157
Dimension Size 105L 125 145 165 16 18 20 22	59.6 ons are inches d ₁ 005 .716 .842 .968 1.078 1.212 1.346 1.472 1.610	44.5 d ₂ ±.007 .377 .405 .488 .606 .606 .724 .866 .972 1.086	63.3 d ₄ +.011 .980 1.082 1.161 1.259 1.358 1.476 1.606 1.744	e ₁ ±.007 .811 .929 1.000 1.125 1.125 1.248 1.374 1.500 1.625	e ₂ max. 1.003 1.003 1.181 1.299 1.496 1.614 1.614 1.929	l, max. 1.811 1.850 1.811 2.086 2.086 2.362 2.362 2.362 2.362 2.401	1 ₂ +.015 .716 .716 .716 .716 .846 .907 .907 .907	I ₃ ±.000 .110 .125 .125 .125 .125 .157 .157

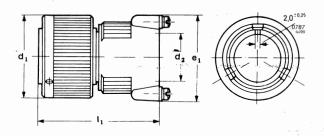




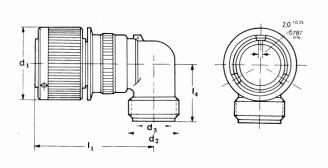
Dimensio	ins are mm							
Size	d ₁ 0.15	d ₂ +0.2	d ₃ +0.4	e +0.1	l ₁ . ±0.3	1 ₂ +0.4	l ₃ ±0.2	1 ₄ ±0.3
10SL	18.2	3.2	15.1	18.2	24.7	14.2	2.8	25.4
125	21.4	3.2	15.1	20.6	24.7	14.2	3.2	28.0
145	24.6	3.2	18.3	23.0	24.7	14.2	3.2	30.0
165	27.4	3.2	21.5	24.6	24.7	14.2	3.2	32.5
16	27.4	3.2	21.5	24.6	33.8	19.0	3.2	32.5
18	30.8	3.2	24.6	27.0	33.8	19.0	4.0	35.0
20	34.2	3.2	28.6	29.4	33.8	19.0	4.0	38.0
22	37.4	3.2	31.8	31.8	33.8	19.0	4.0	41.0
24	40.9	3.7	34.9	34.9	33.8	20.6	4.0	44.5
28	46.7	3.7	40.5	39.7	33.8	20.6	4.0	50.8
32	53.4	4.3	46.9	44.5	33.8	22.2	4.0	57.0
	33.4	4.3	40.9					
36	59.6	4.3	51.6	49.2	33.8	22.2	4.0	63.5
36 Dimensio	59.6 ons are inches	4.3	51.6	49.2	33.8	22.2	4.0	63.5
36 Dimensio	59.6							
Dimension	59.6 ons are inches d ₁	d ₂ +.007	51.6	49.2	33.8 I ₁	22.2	4.0	63.5
Dimension Size	59.6 ons are inches d ₁ 005 .716 .842	d ₂ +.007	51.6 d ₃ .015	49.2 e +.003	33.8 I ₁ ±.011	l ₂ +.015	4.0 I ₃ ±.007	63.5 I ₄ ±.011
Dimensic Size	59.6 ons are inches d ₁ 005 .716	d ₂ +.007	d ₃ .015 .594	49.2 e +.003	33.8 I ₁ ±.011	I ₂ +.015	4.0 I ₃ ±.007	63.5 I ₄ ±.011
Dimensic Size 105L 125 145 165	59.6 ons are inches d ₁ 005 .716 .842	d ₂ +.007 .125	51.6 d ₃ .015 .594	e +.003 .716 .102	33.8 I ₁ ±.011 .972 .972	1 ₂ +.015 .559 .559	4.0 I ₃ ±.007 .110 .125	63.5 I ₄ ±.011 1.000 1.102
Dimension Size 10SL 12S 14S 16S	59.6 ons are inches d ₁ 005 .716 .842 .968	4.3 d ₂ +.007 .125 .125 .125	d ₃ .015 .594 .720	e +.003 .716 .102 .905	33.8 I ₁ ±.011 .972 .972 .972	1 ₂ +.015 .559 .559	4.0 I ₃ ±.007 .110 .125 .125	63.5 I ₄ ±.011 1.000 1.102 1.181
Dimension Size 10SL 12S 14S 16S	59.6 ons are inches d ₁ 005 .716 .842 .968 1.078	4.3 d ₂ +.007 .125 .125 .125 .125	d ₃ .015 .594 .594 .720	e +.003 .716 .102 .905	33.8 I ₁ ±.011 .972 .972 .972 .972	1 ₂ +.015 .559 .559 .559	4.0 I ₃ ±.007 .110 .125 .125 .125	63.5 I ₄ ±.011 1.000 1.102 1.181 1.279
Dimensic Size 10SL 12S 14S 16S 16 18	59.6 d ₁ 005 .716 .842 .968 1.078	d ₂ +.007 .125 .125 .125 .125	d ₃ .015 .594 .720 .846	e +.003 .716 .102 .905 .968	33.8 I ₁ ±.011 .972 .972 .972 .972 .972 1.330	1 ₂ +.015 .559 .559 .559 .559 .748	4.0 1 ₃ ±.007 .110 .125 .125 .125	63.5 I ₄ ±.011 1.000 1.102 1.181 1.279 1.279
Dimension Size 10SL 12S 14S 16S 16 18 20 22	59.6 ons are inches d ₁ 005 .716 .842 .968 1.078 1.078 1.212	4.3 d ₂ +.007 .125 .125 .125 .125 .125 .125	51.6 d ₃ .015 .594 .594 .720 .846 .846	e +.003 .716 .102 .905 .968 .968 1.062	33.8 I ₁ ±.011 .972 .972 .972 .972 1.330 1.330	1 ₂ +.015 .559 .559 .559 .748 .748	1 ₃ ±.007 .110 .125 .125 .125 .125	63.5 I ₄ ±.011 1.000 1.102 1.181 1.279 1.377
Dimension Size 10SL 12S 14S 16S 16 16	59.6 d ₁ 005 .716 .842 .968 1.078 1.078 1.122 1.346	4.3 d ₂ +.007 .125 .125 .125 .125 .125 .125 .125	d ₃ .015 .594 .720 .846 .846 .968	e +.003 .716 .102 .905 .968 .968 1.062 1.157	33.8 I ₁ ±.011 .972 .972 .972 .972 .972 1.330 1.330 1.330	1, +.015 .559 .559 .559 .748 .748	4.0 1 ₃ ±.007 .110 .125 .125 .125 .125 .157 .157	1.000 1.102 1.182 1.279 1.377 1.496
Dimension Size 10SL 12S 14S 16S 16 18 20 22	59.6 ons are inches d ₁ 005 .716 .842 .968 1.078 1.212 1.346 1.472	d ₂ +.007 .125 .125 .125 .125 .125 .125 .125	d ₃ .015 .594 .594 .720 .846 .846 .968 1.125 1.251	e +.003 .716 .102 .905 .968 .968 1.062 1.157 1.251	33.8 I ₁ ±.011 .972 .972 .972 .972 1.330 1.330 1.330 1.330	1 ₂ +.015 .559 .559 .559 .748 .748	1 ₃ ±.007 .110 .125 .125 .125 .157 .157 .157	1,000 1,100 1,102 1,181 1,279 1,377 1,496 1,614 1,751
Dimensic Size 10SL 12S 14S 16S 16 18 20 22 24	59.6 d ₁ -005 716 842 .968 1.078 1.078 1.212 1.346 1.472 1.610	4.3 d ₂ +.007 :125 :125 :125 :125 :125 :125 :125 :125	d ₃ .015 .594 .594 .720 .846 .846 .968 1.125 1.251 1.374	e +.003 .716 .102 .905 .968 .968 1.062 1.157 1.251	33.8 I ₁ ±.011 .972 .972 .972 .972 1.330 1.330 1.330 1.330	22.2 l ₂ +.015 .559 .559 .559 .748 .748 .748 .748	4.0 1 ₃ ±.007 .110 .125 .125 .125 .125 .157 .157	1,4 ±.011 1.000 1.102 1.181 1.279 1.377 1.496



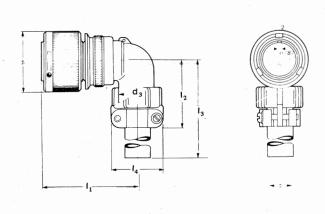
Size	d ₁ ±0.4	d₂*	I ₁ max.	I ₂ max.	I ₃ max.	I ₄ max.
10SL	22.4	6.5	115	55	25.5	22.7
125	25.6	6.5	115	55	25.5	22.7
145	28.8	9.0	112	57	30.0	27.5
16S	31.6	11.0	110	59	33.0	30.0
16	31.6	11.0	120	69	33.0	30.0
18	36.1	14.2	119	74	38.0	32.2
20	39.5	15.8	116	74	41.0	37.5
22	42.7	15.8	116	74	41.0	37.5
24	46.2	21.4	120	90	49.0	43.3
28	53.0	21.4	120	90	49.0	43.3
32	59.7	26.7	117	90	57.0	51.7
36	65.9	31.7	130	100	62.0	58.0
Size	d ₁ ±.015	d₂*	l _i max.	l ₂ max.	I ₃ max.	I ₄
10SL	.881	.255	4.527	2.165	1.003	.893
125	1.006	.255	4.527	2.165	1.003	.893
145	1.133	.354	4.409	2.244	1.181	1.08
165	1.244	.433	4.330	2.322	1.290	1.18
16	1.244	.433	4.724	2.716	1.299	1.26
18	1.421	.559	4.685	2.913	1.496	1.18
20	1.555	.622	4.566	2.913	1.614	1.47
22	1.681	.622	4.566	2.913	1.614	1.47
24	1.818	.842	4.724	3.543	1.929	1.70
28	2.086	.842	4.724	3.543	1.929	1.70
32	2.350	1.051	4.606	3.543	2.244	2.03
36	2,594	1.248	5.120	3.940	2.440	2.28



CA3106R-B-				
Dimensions are	mm			
Size	d ₁ ±0.4	d ₂ +0.2	e ₁ max.	l ₁ ma
105L	22.4	9.6	25.5	45
125	25.6	10.3	25.5	45
145	28.8	12.4	30.0	45
16S	31.6	15.4	33.0	45
16	31.6	15.4	33.0	54
18	36.1	18.4	38.0	57
20	39.5	22.0	41.0	57
22	42.7	24.7	41.0	57
24	46.2	27.6	49.0	57
28	53.0	31.6	49.0	57
32	59.7	38.5	57.0	57
36	65.9	44.5	62.0	5.7
Dimensions are Size	d ₁ ±.015	d ₂ +.007	e _i max,	l ₁
				max.
10SL	.881	.377	1.003	1.77
125	1.007	.405	1.003	1.77
145	1.133	.488	1.181	1.77
165	1.244	.606	1.299	1.77
16	1.244	.606	1.299	2.12
18	1.421	.724	1.496	2.24
20	1.555	.868	1.614	2.24
22	1.681	.972	1.614	2.24
24	1.818	1.086	1.929	2.24
28	2.086	1.244	1.929	2.24
32 36	2.350	1.515	2.244	2.24
36	2.594	1.751	2.440	2.244



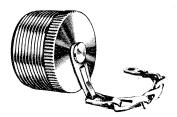
CA3108F-I CA3108R-					
Dimensions	are mm				
Size	d ₁ ±0.4	d ₂ Thread	d ₃ +0.3	l _i max.	l ₄ ±0.3
10SL	22.4	5/8-24NEF-2A	9.6	45	21.5
125	25.6	5/8-24NEF-2A	10.2	45	21.5
145	28.8	3/4-20UNEF-2A	12.3	47	23.1
165	31.6	7/8-20UNEF-2A	15.3	48	24.7
16	31.6	7/8-20UNEF-2A	15.3	57	24.7
18	36.1	1-10UNEF-2A	18.4	58	26.3
20	39.5	1 3/16-18NEF-2A	22.0	61	27.9
22	42.7	1 3/16-18NEF-2A	24.7	61	29.5
24	46.2	1 7/16-18NEF-2A	27.6	66	31.1
28	53.0	1 7/16-18NEF-2A	30.5	66	33.5
32	59.7	1 3/4-18NS-2A	37.5	72	39.0
36	65.9	2-18NS-2A	43.6	75	44.6
Dimensions	are inches				
Size	d _i	\mathbf{d}_2	d ₃	l _i a second	14
	±.015	Thread	+.011	max.	±.011
10SL	.881	5/8-24NEF-2A	.733	1.771	.846
125	1.007	5/8-24NEF-2A	.401	1.771	.846
145	1.133	3/4-20UNEF-2A	.484	1.850	.909
165	1.244	7/8-20UNEF-2A	.602	1.889	.972
16	1.244	7/8-20UNEF-2A	.602	2.244	.972
18	1.421	1-20UNEF-2A	.724	2.283	1.035
20	1.555	1 3/16-18NEF-2A	.866	2.401	1.098
22	1.681	1 3/16-18NEF-2A	.927	2.401	1.161
24	1.818	1 7/16-18NEF-2A	1.086	2.598	1.224
28	2.086	1 7/16-18NEF-2A	1.200	2.598	1.318
32	2.350	1 3/4-19NS-2A	1.476	2.834	1.535
36	2.594	2-18NS-2A	1.716	2.834	1.755



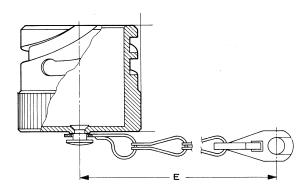
Size	d,	d,*	d ₃	State St	1,	and a second	I ₄
1000	±0.4	max.	Thread	max.	max.	max.	max.
10SL	22.4	6.5	5/8-24NEF-2A	45	38	98	22.7
125	25.6	6.5	5/8-24NEF-2A	45	38	98	22.7
145	28.8	9.0	3/4-20UNEF-2A	47	41	96	27.5
16S	31.6	11.0	7/8-20UNEF-2A	48	43	94	30.0
16	31.6	11.0	7/8-20UNEF-2A	57	43	94	30.0
18	36.1	14.2	1-20UNEF-2A	58	45	92	32.2
20	39.5	15.8	1 3/16-18NEF-2A	61	50	94	37.5
22	42.7	15.8	1 3/16-18NEF-2A	61	51	95	43.3
24	46.2	21.4	1 7/16-18NEF-2A	66	54	94	43.3
28	53.0	21.4	1 7/16-18NEF-2A	66	56	96	51.7
32	59.7	26.7	1 3/4-18NS-2A	72	66	106	51.7
36 * max. pe	65.9 ermissible out	31.7 ilde diameter	2-18NS-2A of cable	75	69	103	58.0
36 * max. pe	65.9 ermissible out: ens are inches	ide diameter	of cable				
36 * max. pe Dimensio	65.9 ermissible out	Control of the Contro		75 I ₁ max.	l ₂ max.	103 I ₃ max.	l ₄
36 * max. pe Dimensio Size	65.9 ermissible out: ons are inches d ₁ ±.015	d ₂ * max.	of cable	l _i	l ₂	l ₃	l ₄
* max. pe * max. pe Dimension Size 10SL 12S	65.9 ermissible out: ens are inches d ₁ ±.015 .881 1.007	d ₂ * max.	of cable d ₃ Thread	l ₁ max.	l ₂ max.	l ₃ max.	i ₄ max
* max. pe * max. pe Dimension Size 10SL 12S 14S	65.9 ermissible out: ins are inches d ₁ ±.015 .881 1.007 1.133	d ₂ * max255 .255 .354	of cable d ₃ Thread 5/8-25NEF-2A 5/8-25NEF-2A 3/4-20UNEF-2A	l ₁ max. 1.771 1.771 1.850	l ₂ max. 1.496 1.496 1.614	I ₃ max. 3.858 3.858 3.779	1 ₄ max .893 .893
* max. pe bimensio Size 10SL 12S 14S 16S	65.9 ermissible out: ons are inches d ₁ ±.015 .881 1.007 1.133 1.244	d ₂ * max	d ₃ Thread 5/8-25NEF-2A 5/8-25NEF-2A 3/4-20UNEF-2A 7/8-20UNEF-2A	l ₁ max. 1.771 1.771 1.850 1.889	1 ₂ max. 1.496 1.614 1.692	1 ₃ max. 3.858 3.858 3.779 3.700	1 ₄ max. .893 .893 1.08
36 * max. pe Dimensio Size 10SL 12S 14S 16S	65.9 ermissible out: ins are inches d ₁ ±.015 .881 1.007 1.133 1.244	d ₂ * max255 .255 .354 .433 .433	of cable d ₃ Thread 5/8-25NEF-2A 3/8-25NEF-2A 3/4-20UNEF-2A 7/8-20UNEF-2A 7/8-20UNEF-2A	l ₁ max. 1.771 1.771 1.850 1.889 2.244	12 max. 1.496 1.496 1.614 1.692 1.692	I ₃ max. 3.858 3.858 3.779	1 ₄ max. .893 .893 1.08
36 * max. pe Dimensio Size 10SL 12S 14S 16S 16 18	65.9 ermissible outsins are inches d ₁ ±.015	d ₂ * max. -255 -255 -354 -433 -433 -559	d ₃ Thread 5/8-25NEF-2A 5/8-25NEF-2A 3/4-20UNEF-2A 7/8-20UNEF-2A 1-20UNEF-2A	I ₁ max. 1.771 1.771 1.850 1.889 2.244 2.283	1 ₂ max. 1.496 1.614 1.692 1.692 1.771	I ₃ max. 3.858 3.858 3.779 3.700 3.622 3.700	.893 .893 1.08 1.18 1.18
36 * max. pe Dimensio Size 10SL 12S 14S 16S 16 18	65.9 ermissible out: ms are inches d ₁ ±.015 .881 1.007 1.133 1.244 1.244 1.555	d ₂ * max255 .255 .354 .433 .433 .559 .622	d ₃ Thread 5/8-25NEF-2A 5/8-25NEF-2A 3/4-20UNEF-2A 7/8-20UNEF-2A 1-20UNEF-2A 1-3/16-18NEF-2A	I ₁ max. 1.771 1.771 1.850 1.889 2.244 2.283 2.401	1,2 max. 1.496 1.614 1.692 1.692 1.771 1.968	I ₃ max. 3.858 3.858 3.779 3.700 3.622 3.700 3.740	14 max .893 .893 1.08 1.18 1.18 1.26
36 * max. pe Dimensio Size 10SL 12S 14S 16S 16 18 20 22	65.9 ermissible out: ons are inches d ₁ ±.015	d ₂ * max255 .255 .354 .433 .559 .622	d ₃ Thread 5/8-25NEF-2A 5/8-25NEF-2A 3/4-20UNEF-2A 7/8-20UNEF-2A 1-20UNEF-2A 1-3/16-18NEF-2A 1-3/16-18NEF-2A	1, max. 1.771 1.771 1.850 1.889 2.244 2.283 2.401 2.401	1,2 max. 1.496 1.614 1.692 1.692 1.771 1.968 2.007	l ₃ max. 3.858 3.858 3.779 3.700 3.622 3.700 3.740 3.700	14 max .893 1.08 1.18 1.18 1.26 1.47
* max. pe * max. pe Dimensio Size 10SL 12S 14S 16S 16 18 20 22 24	65.9 ermissible out: sins are inches d ₁ ±.015 881 1.007 1.133 1.244 1.244 1.555 1.681 1.818	d ₂ * max. 2255 2255 354 433 433 433 622 622 622 842	d ₃ Thread 5/8-25NEF-2A 5/8-25NEF-2A 3/4-20UNEF-2A 7/8-20UNEF-2A 1-20UNEF-2A 1-3/16-18NEF-2A 1-7/16-18NEF-2A	I, max. 1.771 1.771 1.850 1.889 2.244 2.283 2.401 2.598	l ₂ max. 1.496 1.496 1.614 1.692 1.692 1.998 2.007 2.125	l ₃ max. 3.858 3.858 3.779 3.700 3.622 3.700 3.740 3.700 3.770	14 max. .893 1.08: 1.18 1.26 1.47 1.47
36 * max. ps Dimensio Size 105L 125 145 165 16 18 20 22 24 28	65.9 ermissible out: ons are inches d ₁ ±.015 .881 1.007 1.133 1.244 1.421 1.555 1.681 1.818 2.086	d ₂ * max255 .255 .354 .433 .559 .622 .622 .842 .842	of cable d ₃ Thread 5/8-25NEF-2A 5/8-25NEF-2A 3/4-20UNEF-2A 7/8-20UNEF-2A 1-20UNEF-2A 1-3/16-18NEF-2A 1-7/16-18NEF-2A 1-7/16-18NEF-2A	1, max. 1.771 1.771 1.850 1.889 2.244 2.283 2.401 2.598 2.598	l ₂ max. 1.496 1.496 1.614 1.692 1.771 1.968 2.007 2.125 2.204	l ₃ max. 3.858 3.858 3.779 3.700 3.622 3.700 3.740 3.700 3.770 4.173	14 max .893 1.08 1.18 1.18 1.26 1.47
36 * max. pe binensio Size 10SL 12S 14S 16S 16 18 20 22 24	65.9 ermissible out: sins are inches d ₁ ±.015 881 1.007 1.133 1.244 1.244 1.555 1.681 1.818	d ₂ * max. 2255 2255 354 433 433 433 622 622 622 842	d ₃ Thread 5/8-25NEF-2A 5/8-25NEF-2A 3/4-20UNEF-2A 7/8-20UNEF-2A 1-20UNEF-2A 1-3/16-18NEF-2A 1-7/16-18NEF-2A	I, max. 1.771 1.771 1.850 1.889 2.244 2.283 2.401 2.598	l ₂ max. 1.496 1.496 1.614 1.692 1.692 1.998 2.007 2.125	l ₃ max. 3.858 3.858 3.779 3.700 3.622 3.700 3.740 3.700 3.770	14 max. .893 1.08 1.18 1.18 1.26 1.47 1.47

Accessories

PROTECTIVE METAL CAPS For 06 and 08 Style Plugs



BAYONET LOCK



FINE THREAD

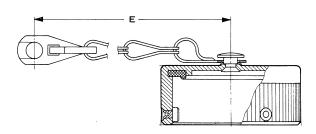
These externally threaded metal dust caps are used to protect the MS3106 and MS3108 plugs. Material is aluminium alloy. They are furnished with sash chain and are also available less chain.

	FINE THREAD	BAYONET LOCK			
SHELL	SASH CHAIN	CHAIN LENGTH	SASH CHAIN	CHAIN LENGTH DIM 'E' 3.937	
		DIM 'E'			
10SL	MS25042-10C	4.25	CA121-004-1		
125	MS25042-12C	4.75	CA121-004-2	4.448	
145	MS25042-14C	4.75	CA121-004-3	4.448	
16S	MS25042-16C	4.75	CA121-004-4	4.448	
16	MS25042-16C	4.75	CA121-004-5	4.999	
18	MS25042-18C	4.75	CA121-004-6	4.999	
20	MS25042-20C	5.25	CA121-004-7	5.511	
22	MS25042-22C	5.25	CA121-004-8	5.511	
24	MS25042-24C	5.75	CA121-004-9	5.511	
28	MS25042-28C	8.00	CA121-004-10	7.755	
32	MS25042-32C	8.00	CA121-004-11	7.755	
36	MS25042-36C	8.00	CA121-004-12	7.755	

PROTECTIVE METAL CAPS
For 00, 01 and 02 Style Receptacles



BAYONET LOCK



FINE THREAD

These internally threaded metal dust caps are used to protect MS3100, MS3101 and MS3102 receptacles. Material is aluminium alloy. They are furnished with sash chain and are also available less chain.

	FINE THREAD	BAYONET LOCK			
SHELL SIZE	SASH CHAIN	CHAIN LENGTH DIM 'E'	SASH CHAIN	CHAIN LENGTH DIM 'E'	
-		Acres Control	00101 0001		
10SL	MS25043-10C	4.25	CA121-003-1	3.937	
125	MS25043-12C	4.75	CA121-003-2	3.937	
14S	MS25043-14C	4.75	CA121-003-3	3.937	
16S	MS25043-16C	4.75	CA121-003-4	3.937	
16	MS25043-16C	4.75	CA121-003-5	4.448	
18	MS25043-18C	4.75	CA121-003-6	4.448	
20	MS25043-20C	5.25	CA121-003-7	4.999	
22	MS25043-22C	5.25	CA121-003-8	4.999	
24	MS25043-24C	5.75	CA121-003-9	4.999	
28	MS25043-28C	8.00	CA121-003-10	6.653	
32	MS25043-32C	8.00	CA121-003-11	6.653	
36	MS25043-36C	8.00	CA121-003-12	6.653	

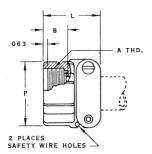
Accessories

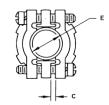
MS3057A

CABLE CLAMP with or without Bushing









The MS3057A cable clamp is made for plugs and receptacles that have an endbell with external conduit threads. The double clamping action provides a more balanced, positive hold on the wires and greatly reduces moisture transmission. Provision is made for safety wiring. This clamp is supplied without bushing; to order bushing, add "with bushing" after part number.

Part Number*	Fits Shell Size	Accommodates MS Bushings†	A Thread	B ±.016	C Max.	E Max.	±.031	P ±.031	R ±.031	Weight Ibs. Appr
MS3057-3A	8S, 10S	MS3420-3	1/2-28UNEF-2B	.406	.072	.260	.812	.688	.812	.026
●MS3057-4A	10SL, 12S, 12	MS3420-4	5/8-24UNEF-2B	.406	.088	.322	.812	.812	.875	.029
●MS3057-6A	145, 14	MS3420-6	3/4-20UNEF-2B	.406	.088	.448	.875	.969	1.062	.041
●MS3057-8A	165, 16	MS3420-8	7/8-20UNEF-2B	.406	.119	.572	.938	1.094	1.156	.052
•MS3057-10A	18	MS3420-10	1 -20UNEF-2B	.406	.135	.635	.938	1.188	1.250	.060
●MS3057-12A	20, 22	MS3420-12	1-3/16-18UNEF-2B	.406	.166	.760	.938	1.375	1.469	.082
●MS3057-16A	24, 28	MS3420-16, -12	1-7/16-18UNEF-2B	.406	.198	.948	1.031	1.656	1.688	.124
MS3057-20A	32	MS3420-20, -16	1- 3/4-18UNS -2B	.469	.260	1.260	1.094	2.031	2.031	.185
●MS3057-24A	36	MS3420-24, -20	2 -18UNS -2B	.531	.307	1.385	1.156	2.219	2.281	.242
						_				

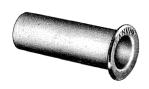
^{*} To order cable clamp with bushing, add "with bushing" after part number, i.e., MS3057-10A with bushing.

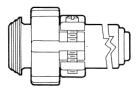
† MS bushings are polychloroprene.

PREFERRED

MS3420

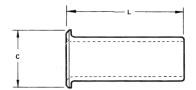
TELESCOPING BUSHING





TELESCOPING BUSHING WITH MS3057A CABLE CLAMP





Telescoping gland bushings (used with MS3057A cable clamp) keep dirt, oil and moisture out of endbell. Taping or wrapping wires is eliminated since bushing protects wires going thru clamp. Combinations of bushings may be used to decrease cable entry diameter to improve sealing. Material is polychloroprene (MS)

and the state of t	MS Part Number	ITT Cannon Part Number	Fits Shell Size	c ±.016	±.016	R ±.015
	MS3420-3	CA18220-3	8S, 10S	.379	2.875	.130
	● MS3420-4	CA18220-4	10SL, 12, 12S	.505	2.750	.220
	● MS3420-6	CA18220-6	14, 148	.619	2.625	.312
	● MS3420-8	CA18220-8	16, 16S	.744	2.500	.437
	MS3420-10	CA18220-10	18	.869	2.375	.562
	MS3420-12	CA18220-12	20, 22	1.064	2.250	.625
DOM: TAXABLE DA	MS3420-16	CA18220-16	24, 28	1.314	2.125	.750
	MS3420-20	CA18220-20	32	1.596	2.000	.937
	MS3420-24	CA18220-24	36	1.897	1.875	1.250

PREFERRED