

RHIMCO

INDUSTRIES, INC.

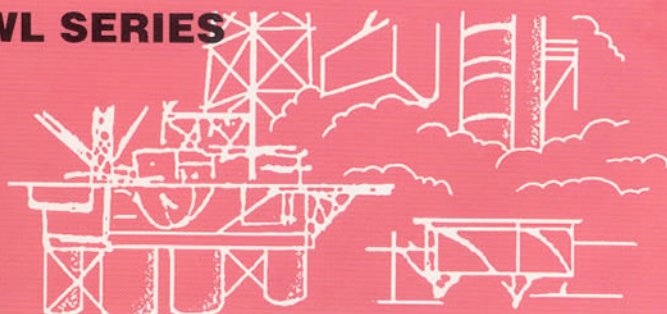


HEAVY DUTY CIRCULAR CONNECTORS

**MS17343 thru MS17350
MIL-C-22992 QUALIFIED**



MTQWL SERIES



MTMS(B) REVERSE COUPLING SERIES



RHIMCO INDUSTRIES, INC.

From steadfast roots, Rhimco has emerged to become the Southwest's most diversified connector company. Rhimco's commitment to service and our reputation for quality has been established over the past two decades.

Our philosophy is quite simple — provide superior quality products, delivery on time, and at a fair price. Since 1973, when Rhimco was founded, we've made this philosophy the keystone upon which our business has flourished. We continue this dedication to quality, delivery and price, with our Heavy Duty Circular Connectors.

Rhimco's huge inventory is noted for its variety of product options. Vast quantities are stocked, enabling us to fill even the largest orders with a complete range of connector products. This diverse product selection is strengthened by numerous choices within those product lines. Rhimco offers "Hard To Find" connector products for your specific application designs.

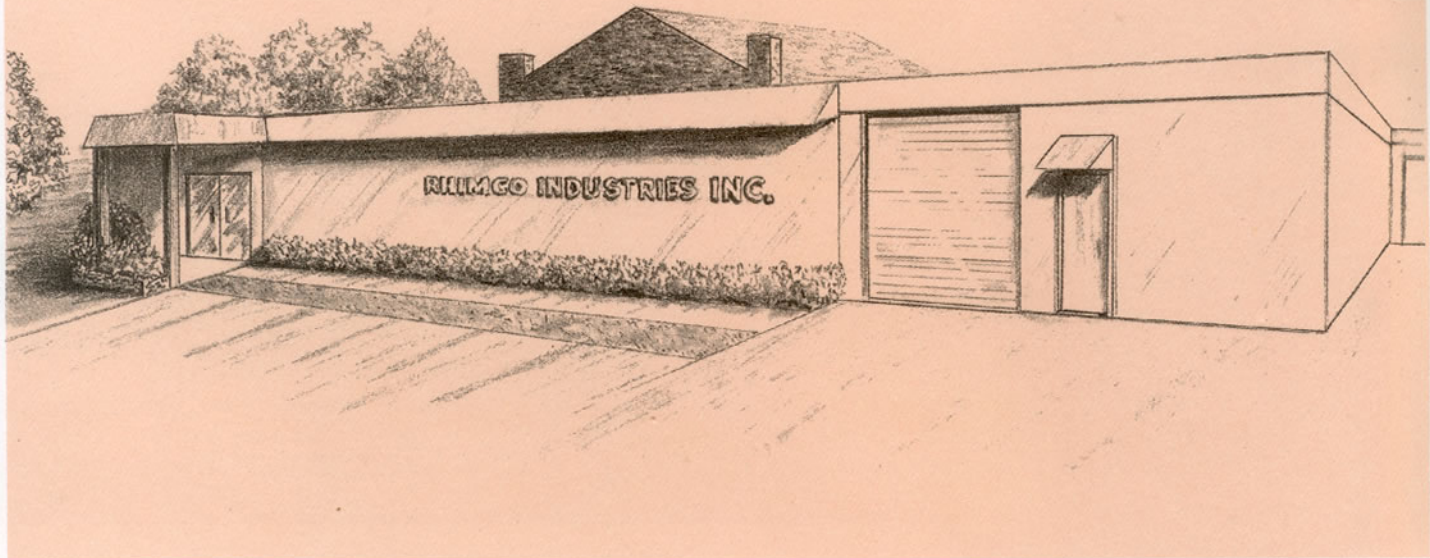
With approximately 50,000 square feet of space, we are a totally integrated manufacturer. All facets of manufacturing are handled at one location. Many types of molding and screw machines are on site and are constantly upgraded because of our operating approach of self-funding and profit reinvesting, thus insuring high quality products using the latest manufacturing technologies.

Our first priority will always be customer satisfaction. To insure your needs are met quickly and carefully, we employ highly trained service specialists, and provide them with all the tools to keep you — our customers — satisfied.

It's our people that separate Rhimco from all other. We are dedicated to continually investing in skilled people. This combined with the latest manufacturing equipment makes Rhimco the right choice for your connector needs.

The bottom line for the highest quality on interconnect devices is Rhimco. Welcome to Texas and the world of Rhimco.

Dan J. Massey, President.



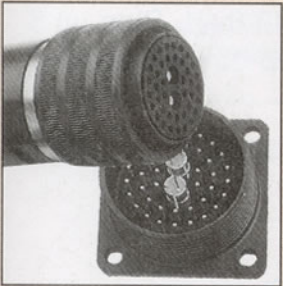


MIL-C-22992 CONNECTORS

Introduction	4
Technical Information	5,6
Ordering Information	7
MS17343, MS17346 receptacles	8
MS17344, MS17345 plugs	9
MS17347, MS17348 jam nut receptacles	10
MS17349, MS17350, MS18062 plug, receptacle covers, dummy	11
MTWLD695, MTWLD92846 cable clamp adapter, potting boot	12
MTQWL308, MTQWL305 cable gripping (woven), gland	13

MIL-C-85049 ADAPTERS

General Description	14
Ordering Information	15
M85049/3 styles 1, 2	16
M85049/3 style 3, M85049/4 style 1	17
M85049/4 styles 2, 3	18
M85049/5 styles 1, 2	19
M85049/5 style 3, M85049/59 shrink boot adapter	20



MTQWL CONNECTORS

General Description, Ordering Information	21
MTQWL0, MTQWL2 receptacles	22
MTQWL1, MTQWL6 in-line, straight plugs	23
MTQWL3, MTQWL9 jam nut receptacles	24
MTQWL4, MTQWL7 thru-bulkhead receptacles, flange mount plug	25
MTQWL046, MTQWL048 plug, receptacle covers	26
MTQWL92845, MTMS0450/MTMS6675/MTMS0450(S) dummy receptacle, flange gaskets	27
MTQWL138, MTQWL196 cable clamp adapter, adapter	28
MTQWL308, MTQWL305 cable gripping (woven), glands	29

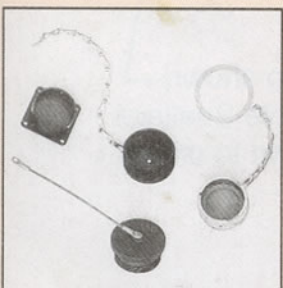
MTQWL ADAPTERS

General Description, Ordering Information	30
MTQWL333 adapters	31,32
MTQWL334 adapters	33,34
MTQWL335 adapters	35,36



MTMS(B) REVERSE COUPLING CONNECTORS

General Description, Ordering Information	37
MTMS(B)W2, MTMS(B)W32 receptacles	38
MTMS(B)A0, MTMS(B)A30 receptacles	39
MTMS(B)A1, MTMS(B)A6 in-line receptacle, straight plug	40
MTMS(B)7, MTMS(B)A8 jam nut receptacle, 90° angle plug	41
MTMS(B)91451, MTMS(B)91452, MTMS(B)92837 plug and receptacle covers, dummy	42
MS3057-A, MS3057-B cable clamps	43
MS3057-C, MS3420 cable clamp, bushing	44



INSERT ARRANGEMENTS

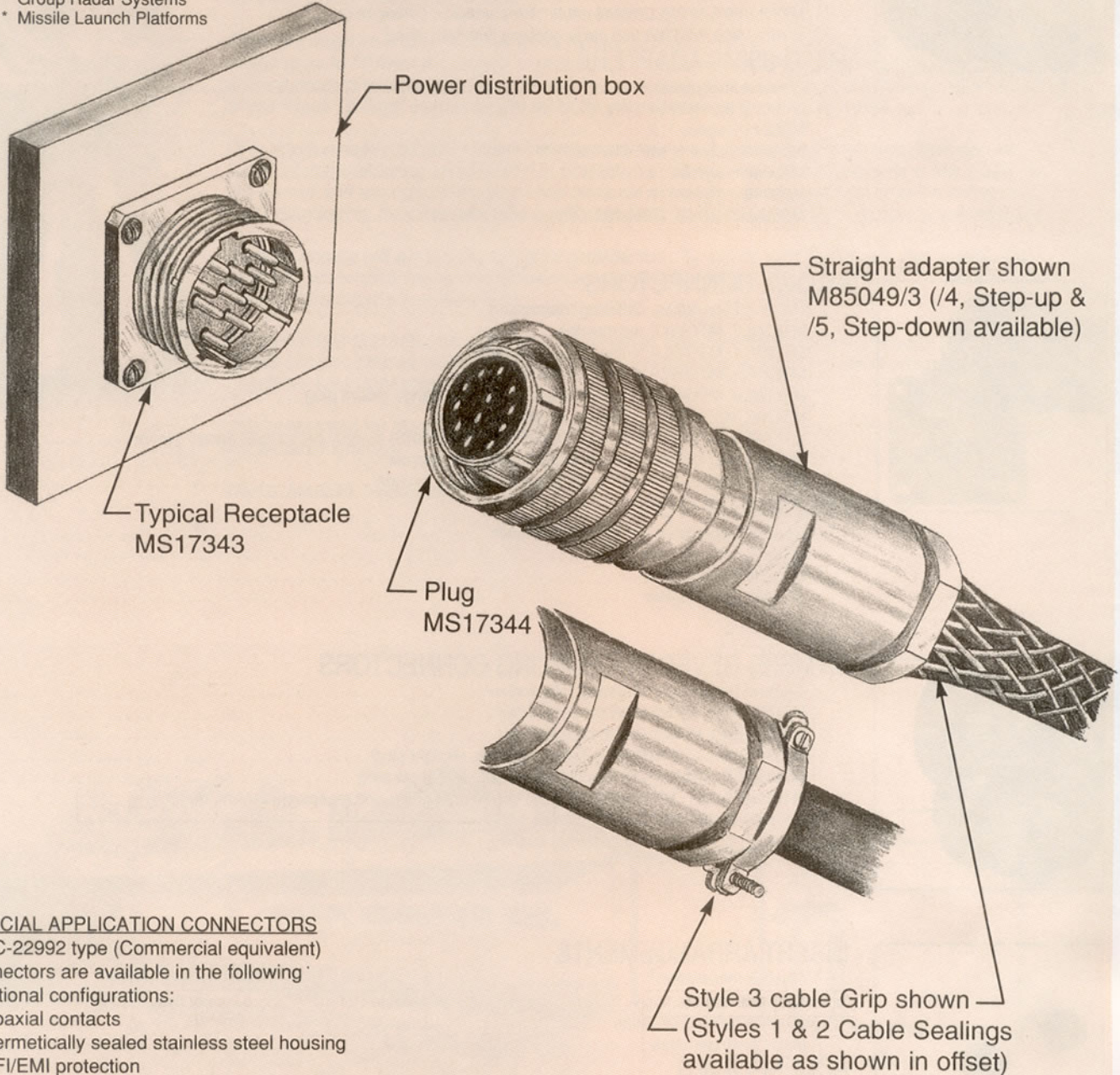
Contact Information	45,46
Selection Guide	47,48
Alternate Insert Rotations	49
Insert Arrangements	50-57

ACCESSORIES

QPL Accessories	58
MS Manufactured Equivalents	59

The MIL-C-22992 connector series in conjunction with the MIL-C-85049/3, 4 and 5 cable sealing adapters, were designed as a system for the purpose of withstanding abuse extremes. These connector systems function flawlessly in severe environments. The double lead stub threads allow axile coupling, thus insuring positive mating, as well as the sturdyness to handle excessive thread wear. Applications include:

- * Geophysical Installations
- * Mining
- * Petrochemical
- * Heavy Construction
- * Aircraft Ground Support Equipment
- * Group Radar Systems
- * Missile Launch Platforms



SPECIAL APPLICATION CONNECTORS

Mil-C-22992 type (Commercial equivalent) connectors are available in the following additional configurations:

- * Coaxial contacts
- * Hermetically sealed stainless steel housing
- * RFI/EMI protection
- * Thermocouple contacts
- * Fuel resistant rubber
(Consult factory for availability)

MIL-C-22992/MIL-C-85049

Interconnection Systems Performance Specification

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Operation Temperature Range -55°C to +85°C. Note; Operating temperature is defined as the maximum temperature reached at any point in the connector and is a product of the ambient temperature plus the heat rise from circuit current load. Connector cavity selection should be carefully considered to assure operation within the above range.

Environmental Sealing Connectors with adapters installed prevent moisture intrusion in applicable moisture resistance and water immersion tests as outlined in MIL-C-22992 and as discussed in the technical information section herein.

Corrosion Resistance The interconnection system performance meets and exceeds salt spray test requirements for 500 hour exposure when tested as specified in MIL-C-22992 and as discussed in the technical information section herein.

Vibration The interconnection system maintains continuity (no discontinuity greater than 10 micro seconds) and exhibits no physical or mechanical damage when subjected to the sine and random vibration tests specified in MIL-C-22992 and as discussed in the technical information section herein.

Physical Shock No detrimental results or discontinuities greater than 10 micro seconds when exposed to the high amplitude shock test specified in MIL-C-22992 and as discussed in the technical information section herein.

Durability Meets the mating and unmating parameters specified in the durability and 500 hour corrosion tests as outlined in MIL-C-22992 and as discussed in the technical information section herein.

Fluid Resistance Insert material used is compatible with the hydraulic and lubricating fluids listed in MIL-C-22992.

Applicable (mechanical & electrical) stress level of MIL-C-22992 connectors, and MIL-C-85049 backshell cable sealing adapter interconnection systems are as shown below.

Contact Resistance			
Contact Size	Test current (Amps)	Potential Drop (Millivolts Max)	
		Initial	After Corrosion
16	20	25	35
12	35	20	30
8	60	12	25
4	100	10	20
1/0	200	10	20

Insert Retention Test Pressure	
Shell Size	Gauge Pressure (Lbs/In ²)
12	150
14 thru 18	100
20 thru 22	75
24 thru 28	60
32 thru 44	45

Dielectric Withstanding Voltage (See Insert section for ranges)	
Service Rating	Sea Level Test voltage Minimum (VAC RMS 60HZ)
INST	1,000
A	2,000
D	2,800
E	3,500
B	4,500
C	7,000

Contact Engagement & Separation Forces		
Contact Size	Force Pounds	
	Maximum	Minimum
16	3.0	0.25
12	5.0	0.50
8	10.0	0.75
4	15.0	1.00
1/0	20.0	2.00

Contact Retention Loads	
Contact Size	Axial Load (Lbs, Min)
16	10
12	15
8	20
4	25
1/0	35

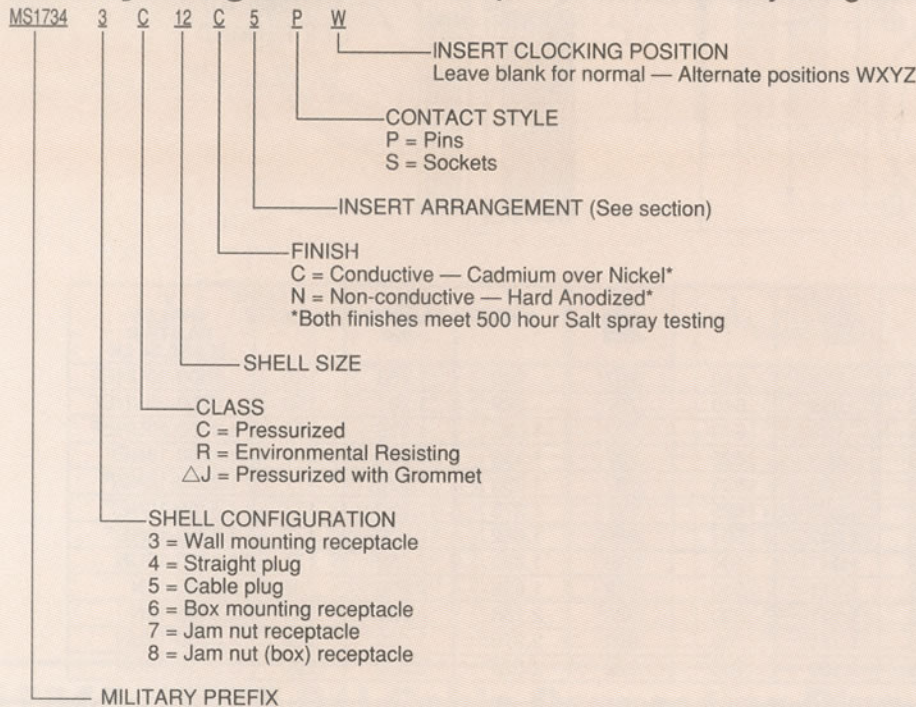
Cable Pull Out Test Loads	
Cable Range	Load Heavy Duty Pounds
.062 - .500	25
.501 - .750	50
.751 - 1.500	75
1.501 - 2.500	100

Qualification Test Schedule

Rhimco's MIL-C-22992 Heavy Duty Connectors and MIL-C-85049 Cable Adapters have been subjected to the following environmental requirements as a system (connectors, cables, and cable adapters tested together) and have successfully passed all the tests listed below.

Examination or test	Parameters under test/reason/rational of test program
Visual and mechanical examination	Compliance to Military drawing dimensions, workmanship, materials, etc.
Permeability	Relative magnetic permeability of the overall interconnection system
Contact resistance	To assure the resistance through the pin and socket contacts are correct for a given contact size
Dielectric withstanding voltage	To assure the insert electrical integrity under worst case ambient electrical stress conditions
Temperature cycle	To assure the integrity of the system "no mechanical damage or post test failures when the system is subjected to thermal extremes of 85°C to -55°C."
Air leakage	To assure the insert to housing/contact to insert bond integrity is not damaged by the above thermal extremes
Contact retention	To assure contacts will not become dislodged after exposure to thermal extremes
Insert retention	To assure the insert will not become dislodged after exposure to thermal extremes
Insulation resistance	To assure the electrical integrity of the insert after exposure to the above thermal extremes
Moisture resistance *Insulation resistance *Dielectric withstanding voltage	To assure the electrical integrity of the insert after exposure to thermal extremes and during exposure to high humidity and post humidity exposure to high humidity
Durability	Mating and demating cycles as representative of service use
Salt spray (corrosion)	500 hours of salt spray testing after which connectors must still function
Contact resistance	To assure the resistance through the pin and socket contacts have not increased substantially through all the above environmental testing
Cable pull-out	To assure the cable can not be dislodged from the interconnection system with a specified force applied to the cable
Bending Moment	To assure the interconnection system will withstand the side loading anticipated in application
Thread Strength	To assure that no damage will occur to the interconnection system when threads are torqued down to specific values
Vibration random	To assure there is no mechanical damage and that electrical discontinuities occur when subjected to 10-2000 cycles at 15 peak loading
High-impact shock	To assure there is no mechanical damage and that no electrical discontinuities occur when subjected to high-impact shock as outlined in MIL-STD-202, method 207
Water immersion	To assure that the interconnection system will still function electrically after being subjected to vibration and shock when submersed in conductive water (5% sodium chloride by weight) with the test chamber at 1 standard atmosphere (ATM) pressure
Fluid immersion *Dielectric withstanding voltage	To assure that when subjected to hydraulic fluid and lubricate oil that the connectors are not damaged mechanically and after exposure, the connector insert remains an electrical insulator

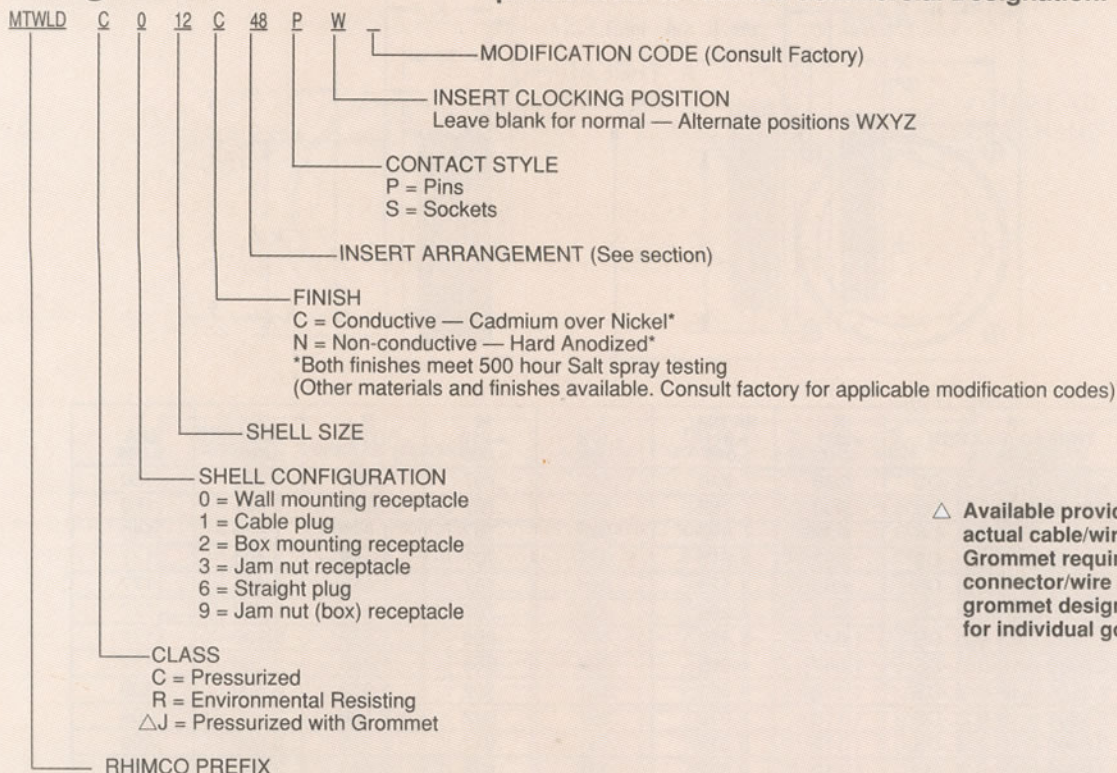
Military Designation



When ordering a MIL-C-22992 qualified part please order to Military Designation.

△ Available provided customer specifies actual cable/wire sizes to be used. Grommet required for all class "J" connector/wire sealing systems. Each grommet design/wire range required for individual government approval.

Rhimco Commercial Designation



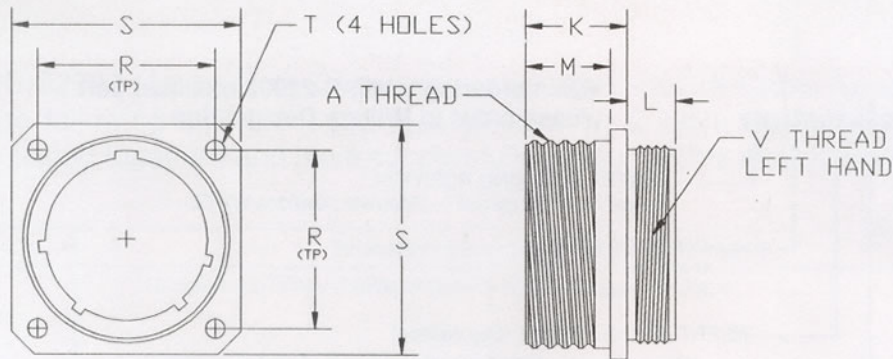
When ordering a part not qualified to MIL-C-22992 please order to Rhimco Commercial Designation.

△ Available provided customer specifies actual cable/wire sizes to be used. Grommet required for all class "J" connector/wire sealing systems. Each grommet design/wire range required for individual government approval.

MIL-C-22992 CONNECTORS

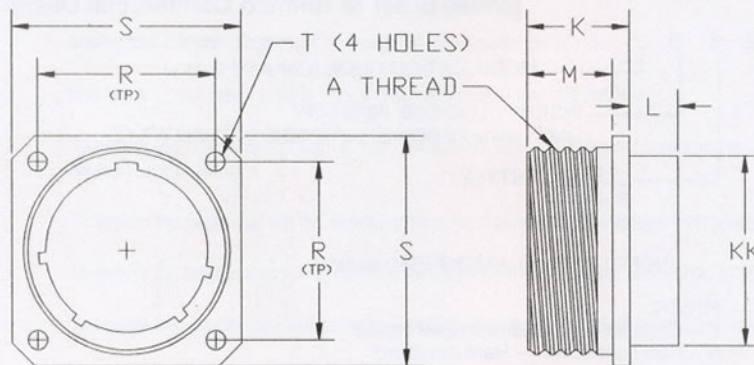
MS17343 (MTWLD0) Wall Mounting Receptacle

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SHELL SIZE	A THREAD (PLATED) CLASS 2A	K +.021 -.020	L ±.020	M +.010 -.000	R (TP)	S +.021 -.020	T ±.005	V THREAD (PLATED) CLASS 2A LH
12	.8750-0.1P-0.2L-DS	.938	.640	.797	.906	1.188	.150	.7500-20UNEF
14	1.0000-0.1P-0.2L-DS	.938	.640	.797	.969	1.281	.150	.8750-20UNEF
16	1.1250-0.1P-0.2L-DS	.938	.640	.797	1.062	1.375	.150	1.0000-20UNEF
18	1.2500-0.1P-0.2L-DS	.953	.625	.797	1.156	1.500	.177	1.1250-18NEF
20	1.3750-0.1P-0.2L-DS	.953	.625	.797	1.250	1.625	.177	1.2500-18NEF
22	1.5000-0.1P-0.2L-DS	.953	.625	.797	1.375	1.750	.177	1.3750-18NEF
24	1.7500-0.1P-0.2L-DS	1.047	.594	.859	1.562	2.000	.177	1.6250-18NEF
28	2.0000-0.1P-0.2L-DS	1.047	.594	.859	1.750	2.250	.177	1.8750-16UN
32	2.2500-0.1P-0.2L-DS	1.111	.530	.922	1.938	2.500	.209	2.0625-16N
36	2.5000-0.1P-0.2L-DS	1.111	.530	.922	2.188	2.750	.209	2.3125-16N
40	2.7500-0.1P-0.2L-DS	1.111	.703	.922	2.375	3.000	.209	2.6250-16UN
44	3.0000-0.1P-0.2L-DS	1.109	.703	.922	2.625	3.250	.209	2.8750-16UN

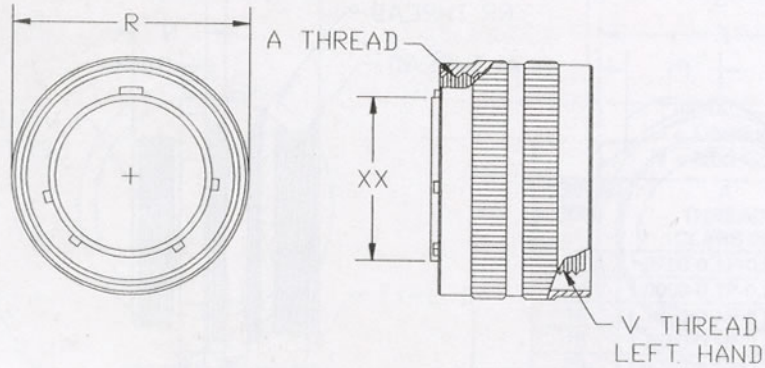
MS17346 (MTWLD2) Box Mounting Receptacle



SHELL SIZE	A THREAD (PLATED) CLASS 2A	K +.021 -.010	KK DIA +.011 -.010	L +.020 -.030	M +.010 -.000	R (TP)	S +.021 -.020	T DIA ±.005
12	.8750-0.1P-0.2L-DS	.938	.640	.640	.797	.906	1.188	.150
14	1.0000-0.1P-0.2L-DS	.938	.765	.640	.797	.969	1.281	.150
16	1.1250-0.1P-0.2L-DS	.938	.890	.640	.797	1.062	1.375	.150
18	1.2500-0.1P-0.2L-DS	.953	1.015	.625	.797	1.156	1.500	.177
20	1.3750-0.1P-0.2L-DS	.953	1.171	.625	.797	1.250	1.625	.177
22	1.5000-0.1P-0.2L-DS	.953	1.296	.625	.797	1.375	1.750	.177
24	1.7500-0.1P-0.2L-DS	1.047	1.421	.594	.859	1.562	2.000	.177
28	2.0000-0.1P-0.2L-DS	1.047	1.625	.594	.859	1.750	2.250	.177
32	2.2500-0.1P-0.2L-DS	1.110	1.891	.531	.922	1.938	2.500	.209
36	2.5000-0.1P-0.2L-DS	1.110	2.078	.531	.922	2.188	2.750	.209
40	2.7500-0.1P-0.2L-DS	1.110	2.312	.531	.922	2.375	3.000	.209
44	3.0000-0.1P-0.2L-DS	1.110	2.562	.531	.922	2.625	3.250	.209

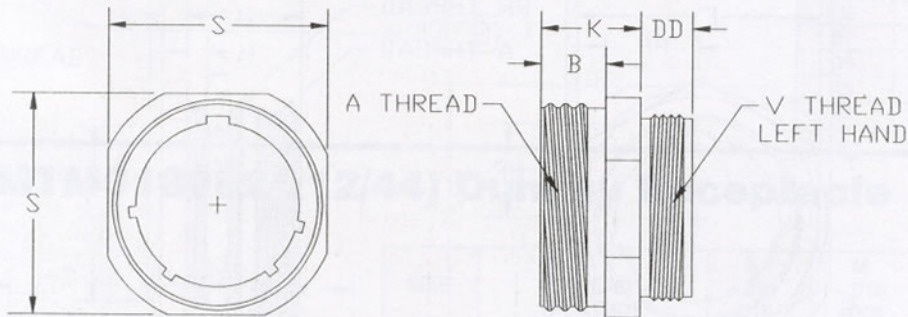
MIL-C-22992 CONNECTORS

MS17344 (MTWLD6) Straight Plug



SHELL SIZE	A THREAD CLASS 2B	R DIA MAX	V THREAD (PLATED) CLASS 2A LH	XX DIA +.001 -0.10
12	.8750-0.1P-0.2L-DS	1.156	.7500-20UNEF	.554
14	1.0000-0.1P-0.2L-DS	1.281	.8750-20UNEF	.674
16	1.1250-0.1P-0.2L-DS	1.469	1.0000-20UNEF	.804
18	1.2500-0.1P-0.2L-DS	1.563	1.1250-18NEF	.929
20	1.3750-0.1P-0.2L-DS	1.688	1.2500-18NEF	1.052
22	1.5000-0.1P-0.2L-DS	1.844	1.3750-18NEF	1.177
24	1.7500-0.1P-0.2L-DS	2.094	1.6250-18NEF	1.302
28	2.0000-0.1P-0.2L-DS	2.344	1.8750-16UN	1.522
32	2.2500-0.1P-0.2L-DS	2.594	2.0625-16N	1.772
36	2.5000-0.1P-0.2L-DS	2.844	2.3125-16N	1.982
40	2.7500-0.1P-0.2L-DS	3.156	2.6250-16UN	2.232
44	3.0000-0.1P-0.2L-DS	3.406	2.8750-16UN	2.522

MS17345 (MTWLD1) Cable Connecting Plug

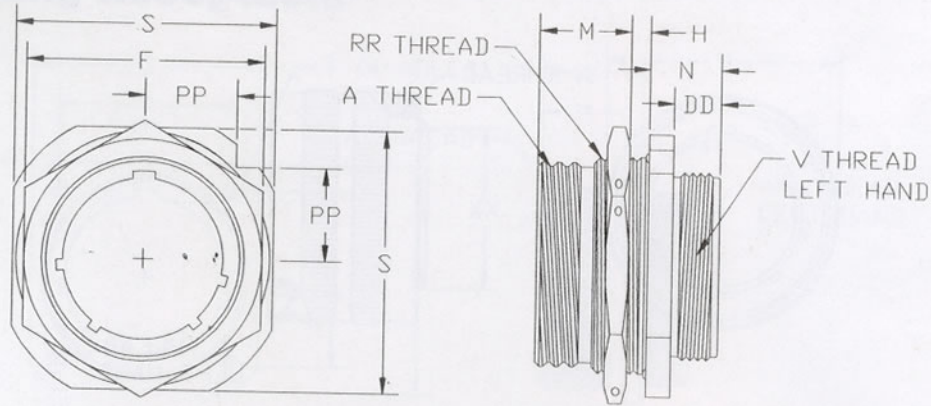


SHELL SIZE	A THREAD (PLATED) CLASS 2A	B +.016 -0.000	DD ±.010	K +.021 -0.020	S +.021 -0.020	V THREAD (PLATED) CLASS 2A LH
12	.8750-0.1P-0.2L-DS	.688	.641	.938	1.000	.7500-20UNEF
14	1.0000-0.1P-0.2L-DS	.688	.641	.938	1.094	.8750-20UNEF
16	1.1250-0.1P-0.2L-DS	.688	.641	.938	1.281	1.0000-20UNEF
18	1.2500-0.1P-0.2L-DS	.703	.625	.953	1.375	1.1250-18NEF
20	1.3750-0.1P-0.2L-DS	.703	.625	.953	1.500	1.2500-18NEF
22	1.5000-0.1P-0.2L-DS	.703	.625	.953	1.625	1.3750-18NEF
24	1.7500-0.1P-0.2L-DS	.766	.625	1.016	1.875	1.6250-18NEF
28	2.0000-0.1P-0.2L-DS	.766	.625	1.016	2.125	1.8750-16UN
32	2.2500-0.1P-0.2L-DS	.703	.563	1.078	2.375	2.0625-16N
36	2.5000-0.1P-0.2L-DS	.703	.563	1.078	2.625	2.3125-16N
40	2.7500-0.1P-0.2L-DS	.703	.703	1.078	3.000	2.6250-16UN
44	3.0000-0.1P-0.2L-DS	.703	.703	1.078	3.250	2.8750-16UN

MIL-C-22992 CONNECTORS

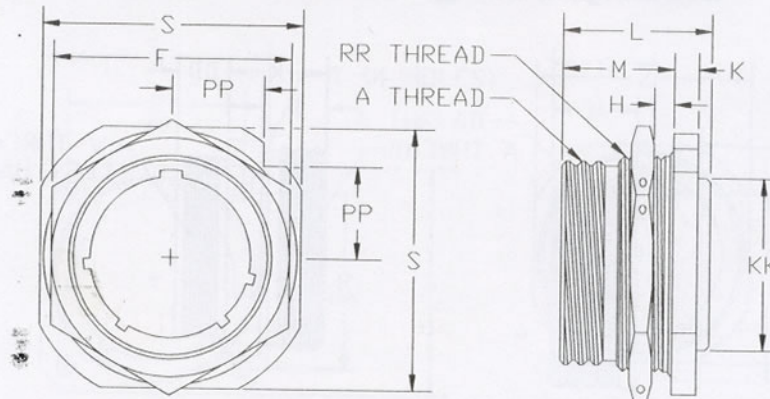
MS17347 (MTWLD3) Jam Nut Receptacle

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SHELL SIZE	A THREAD CLASS 2A	F HEX +.017 -016	H PANEL THICKNESS		M ±.010	N +.021 -020	S	V THREAD (PLATED) CLASS-2A-LH	DD	PP +.011 -010	RR THREAD (PLATED) CLASS 2A-RH
			MIN.	MAX.							
12	.8750-0.1P-0.2L-DS	1.250	.094	.188	1.141	.641	1.375	.7500-20UNEF	.516	.486	1.0000-20UNEF
14	1.0000-0.1P-0.2L-DS	1.312	.094	.188	1.141	.641	1.500	.8750-20UNEF	.516	.530	1.1250-18NEF
16	1.1250-0.1P-0.2L-DS	1.500	.094	.188	1.141	.703	1.750	1.0000-20UNEF	.516	.623	1.2500-18NEF
18	1.2500-0.1P-0.2L-DS	1.562	.094	.203	1.156	.703	1.875	1.1250-18NEF	.516	.663	1.3750-18NEF
20	1.3750-0.1P-0.2L-DS	1.750	.094	.203	1.156	.703	2.000	1.2500-18NEF	.516	.707	1.5000-18NEF
22	1.5000-0.1P-0.2L-DS	1.875	.094	.203	1.156	.703	2.125	1.3750-18NEF	.516	.751	1.6250-18NEF
24	1.7500-0.1P-0.2L-DS	2.125	.094	.265	1.219	.703	2.375	1.6250-18NEF	.516	.840	1.8750-16UN
28	2.0000-0.1P-0.2L-DS	2.375	.094	.277	1.231	.785	2.625	1.8750-16UN	.516	.928	2.1250-16UN
32	2.2500-0.1P-0.2L-DS	2.625	.094	.215	1.231	.785	2.875	2.0625-16N	.516	1.017	2.3750-16UN
36	2.5000-0.1P-0.2L-DS	2.875	.094	.215	1.231	.785	3.125	2.3125-16N	.516	1.104	2.6250-16UN
40	2.7500-0.1P-0.2L-DS	3.125	.094	.215	1.231	.972	3.406	2.6250-16UN	.703	1.213	2.8750-16UN
44	3.0000-0.1P-0.2L-DS	3.375	.094	.215	1.231	.972	3.656	2.8750-16UN	.703	1.299	3.1250-16UN

MS17348 (MTWLD9) Jam Nut (Box) Receptacle

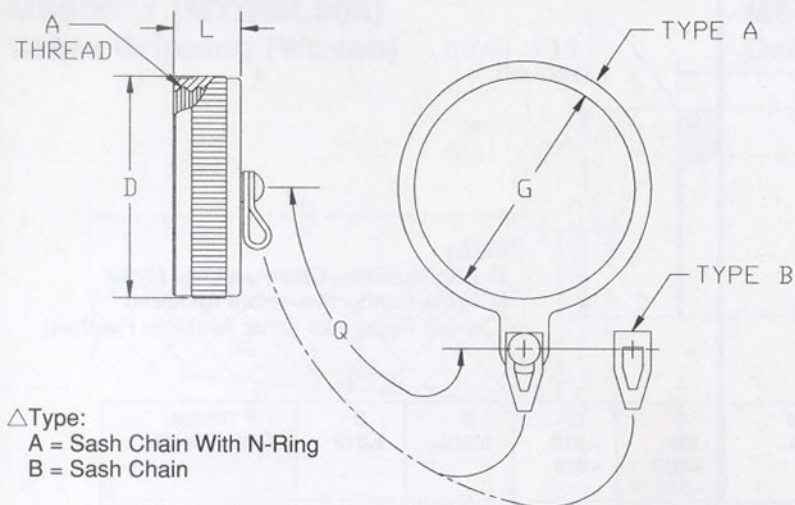


SHELL SIZE	A THREAD (PLATED) CLASS 2A	F HEX +.017 -016	H PANEL THICKNESS		K +.006 -005	KK DIA. +.011 -010	L +.011 -010	M	PP +.011 -010	RR THREAD (PLATED) CLASS 2A	S
			MIN.	MAX.							
12	.8750-0.1P-0.2L-DS	1.250	.094	.297	.125	.640	1.578	1.235	.486	1.0000-20UNEF	1.375
14	1.0000-0.1P-0.2L-DS	1.312	.094	.297	.125	.765	1.578	1.235	.530	1.1250-18NEF	1.500
16	1.1250-0.1P-0.2L-DS	1.500	.094	.297	.188	.890	1.578	1.235	.623	1.2500-18NEF	1.750
18	1.2500-0.1P-0.2L-DS	1.562	.094	.266	.188	1.015	1.578	1.203	.663	1.3750-18NEF	1.875
20	1.3750-0.1P-0.2L-DS	1.750	.094	.266	.188	1.171	1.578	1.203	.707	1.5000-18NEF	2.000
22	1.5000-0.1P-0.2L-DS	1.875	.094	.266	.188	1.296	1.578	1.203	.751	1.6250-18NEF	2.125
24	1.7500-0.1P-0.2L-DS	2.125	.094	.328	.188	1.421	1.641	1.266	.840	1.8750-16UN	2.375
28	2.0000-0.1P-0.2L-DS	2.375	.094	.328	.219	1.625	1.641	1.329	.928	2.1250-16UN	2.625
32	2.2500-0.1P-0.2L-DS	2.625	.094	.328	.219	1.891	1.641	1.329	1.017	2.3750-16UN	2.875
36	2.5000-0.1P-0.2L-DS	2.875	.094	.328	.219	2.078	1.641	1.329	1.104	2.6250-16UN	3.125
40	2.7500-0.1P-0.2L-DS	3.125	.094	.328	.219	2.312	1.641	1.329	1.213	2.8750-16UN	3.406
44	3.0000-0.1P-0.2L-DS	3.375	.094	.328	.219	2.562	1.641	1.329	1.299	3.1250-16UN	3.656

MIL-C-22992 ACCESSORIES

MS17349 (MTMS17349*12/44 Δ) Receptacle Cover

RHMCO
INDUSTRIES, INC.

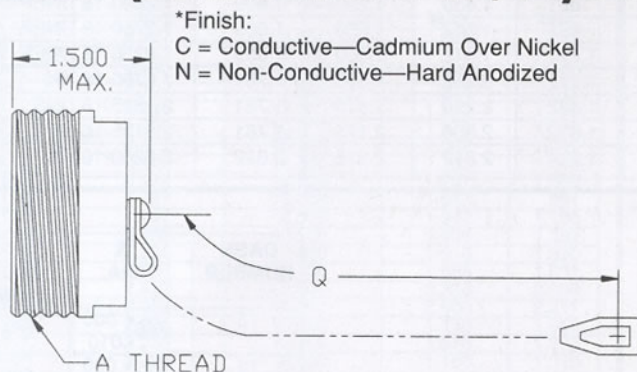


Δ Type:
A = Sash Chain With N-Ring
B = Sash Chain

*Finish:
C = Conductive—Cadmium Over Nickel
N = Non-Conductive—Hard Anodized

COVER SIZE	A THREAD CLASS 2B	D MAX	G MIN	L MAX	Q
12	.8750-0.1P-0.2L-DS	1.094	1.016	.765	5.00
14	1.0000-0.1P-0.2L-DS	1.219	1.141	.765	5.00
16	1.1250-0.1P-0.2L-DS	1.344	1.266	.980	5.00
18	1.2500-0.1P-0.2L-DS	1.469	1.391	.980	5.00
20	1.3750-0.1P-0.2L-DS	1.562	1.516	.980	5.00
22	1.5000-0.1P-0.2L-DS	1.688	1.641	.980	6.00
24	1.7500-0.1P-0.2L-DS	1.938	1.891	.980	6.00
28	2.0000-0.1P-0.2L-DS	2.219	2.141	.980	6.00
32	2.2500-0.1P-0.2L-DS	2.469	2.391	.980	6.00
36	2.5000-0.1P-0.2L-DS	2.719	2.641	.980	6.00
40	2.7500-0.1P-0.2L-DS	2.969	2.891	.980	6.00
44	3.0000-0.1P-0.2L-DS	3.219	3.141	.980	6.00

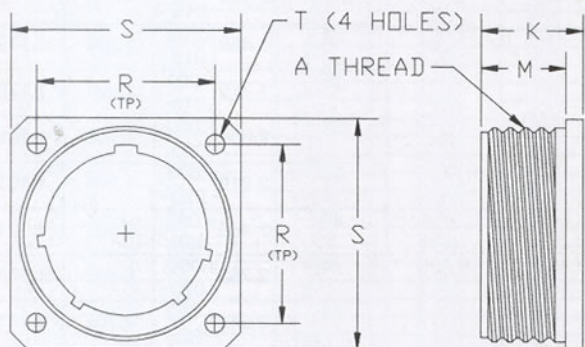
MS17350 (MTMS17350*12/44) Plug Cover



*Finish:
C = Conductive—Cadmium Over Nickel
N = Non-Conductive—Hard Anodized

COVER SIZE	A THREAD CLASS 2A	Q
12	.8750-0.1P-0.2L-DS	5.00
14	1.0000-0.1P-0.2L-DS	5.00
16	1.1250-0.1P-0.2L-DS	5.00
18	1.2500-0.1P-0.2L-DS	5.00
20	1.3750-0.1P-0.2L-DS	5.00
22	1.5000-0.1P-0.2L-DS	6.00
24	1.7500-0.1P-0.2L-DS	6.00
28	2.0000-0.1P-0.2L-DS	6.00
32	2.2500-0.1P-0.2L-DS	6.00
36	2.5000-0.1P-0.2L-DS	6.00
40	2.7500-0.1P-0.2L-DS	6.00
44	3.0000-0.1P-0.2L-DS	6.00

MS18062 (MTMS18062* 12/44) Dummy Receptacle



SIZE	A THREAD (PLATED) CLASS 2A	K +.021 -0.10	M +.010 -.000	R (TP)	S +.021 -.020	T DIA ±.005
12	.8750-0.1P-0.2L-DS	.938	.797	.906	1.188	.150
14	1.0000-0.1P-0.2L-DS	.938	.797	.969	1.281	.150
16	1.1250-0.1P-0.2L-DS	.938	.797	1.062	1.375	.150
18	1.2500-0.1P-0.2L-DS	.953	.797	1.156	1.500	.177
20	1.3750-0.1P-0.2L-DS	.953	.797	1.250	1.625	.177
22	1.5000-0.1P-0.2L-DS	.953	.797	1.375	1.750	.177
24	1.7500-0.1P-0.2L-DS	1.047	.859	1.562	2.000	.177
28	2.0000-0.1P-0.2L-DS	1.047	.859	1.750	2.250	.177
32	2.2500-0.1P-0.2L-DS	1.110	.922	1.938	2.500	.209
36	2.5000-0.1P-0.2L-DS	1.110	.922	2.188	2.750	.209
40	2.7500-0.1P-0.2L-DS	1.110	.922	2.375	3.000	.209
**44	3.0000-0.1P-0.2L-DS	1.109	.922	2.625	3.250	.209

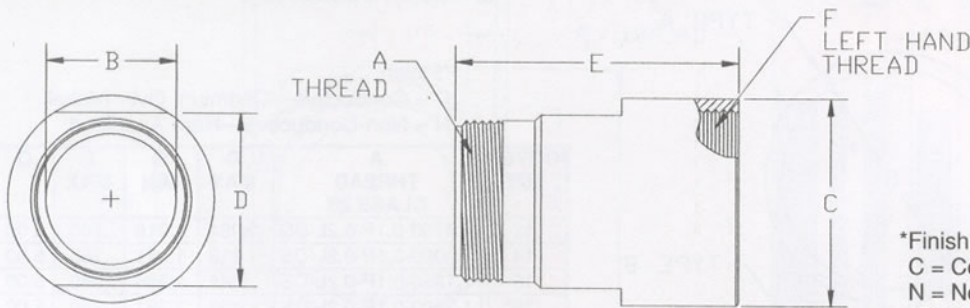
**To be ordered as Commercial Part only.

*Finish:
C = Conductive—Cadmium Over Nickel
N = Non-Conductive—Hard Anodized

MIL-C-22992 ACCESSORIES

RHMCO
INDUSTRIES, INC.

MTWLD695*13/40 Cable Clamp, Adapter

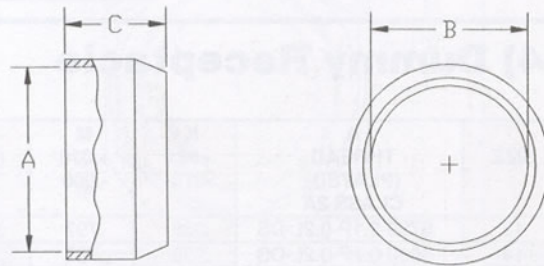


*Finish:
C = Conductive—Cadmium Over Nickel
N = Non-Conductive—Hard Anodized
(Consult Factory for Other Available Finishes)

△For use with MS3057-4/28 A,B, & C Clamps

Dash Number	Shell Size	Clamp MS Part Number △	A Thread Class 2A	B Dia. $+0.000$ -0.010	C $+0.010$ -0.020	D ± 0.010	E ± 0.010	F Thread Class 2B-LH
13	12	MS 3057-4	.6250-24 UNEF	.386	.875	.688	1.609	.7500-20 UNEF
15	14	MS 3057-6	.7500-20 UNEF	.500	1.000	.812	1.609	.8750-20 UNEF
17	16	MS 3057-8	.8750-20 UNEF	.625	1.188	.938	1.609	1.0000-20 UNEF
18	18	MS 3057-10	1.0000-20 UNEF	.762	1.312	1.062	1.609	1.1250-18 UNEF
20	20	MS 3057-12	1.1875-18 UNEF	.891	1.438	1.250	1.609	1.2500-18 UNEF
22	22	MS 3057-12	1.1875-18 UNEF	.891	1.562	1.250	1.609	1.3750-18 UNEF
24	24	MS 3057-16	1.4375-18 UNEF	1.111	1.812	1.500	1.609	1.6250-18 UNEF
28	28	MS 3057-16	1.4375-18 UNEF	1.111	2.062	1.500	1.781	1.8750-16 UN
32	32	MS 3057-20	1.7500-18 UNS	1.422	2.250	1.875	1.781	2.0625-16 UNS
36	36	MS 3057-24	2.0000-18 UNS	1.672	2.500	2.125	1.781	2.3125-16 UNS
40	40	MS 3057-28	2.2500-16 UN	1.914	2.812	2.375	2.032	2.6250-16 UN

MTWLD92846-13/48 Nylon Potting Boot

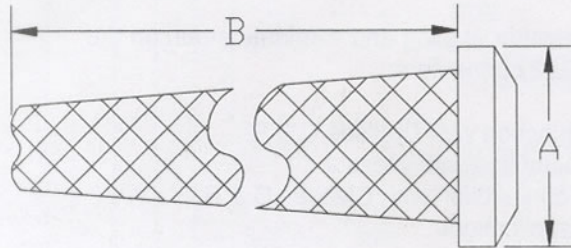


DASH NUMBER	A DIA.	B DIA. ± 0.010	C ± 0.010
13	.766 $^{+0.000}$ -0.010	.484	1.273
15	.844 $^{+0.000}$ -0.010	.609	1.273
17	.969 $^{+0.000}$ -0.010	.734	1.273
18	1.094 $^{+0.000}$ -0.010	.859	1.242
20	1.219 $^{+0.000}$ -0.015	.984	1.242
22	1.344 $^{+0.000}$ -0.015	1.109	1.242
24	1.469 $^{+0.000}$ -0.015	1.234	1.179
28	1.719 $^{+0.000}$ -0.015	1.427	1.179
32	2.000 $^{+0.000}$ -0.020	1.708	1.101
36	2.219 $^{+0.000}$ -0.020	1.895	1.101
40	2.469 $^{+0.000}$ -0.020	2.130	1.101
44	2.782 $^{+0.000}$ -0.020	2.443	1.101
48	3.046 $^{+0.000}$ -0.020	2.707	1.101

MIL-C-22992 ACCESSORIES

Cable Gripping and Sealing Gland

MS90561 (MTQWL308) Cable Gripping (Woven)



MILITARY APPROVED

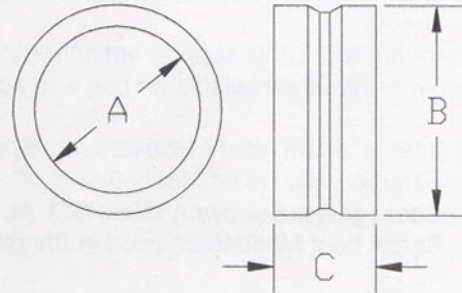
MS PART NUMBER	A DIA +.000 -.010	B APPROX	CABLE RANGE	
			MAX	MIN
MS90561-1	1.797	8.000	.969	.832
MS90561-2	1.797	8.000	1.145	1.003
MS90561-3	1.797	9.000	1.260	1.055
MS90561-4	1.797	7.500	.844	.688
MS90561-5	2.235	11.500	1.312	1.156
MS90561-6	2.235	10.500	1.375	1.219
MS90561-7	2.672	15.000	2.062	1.867
MS90561-8	2.922	14.500	1.703	1.414
MS90561-9	2.922	14.500	1.797	1.508
MS90561-12	1.797	8.000	1.047	.891
MS90561-13	1.797	9.500	1.342	1.185
MS90561-14	2.235	10.500	1.438	1.282
MS90561-15	2.235	11.500	1.516	1.360
MS90561-16	2.235	13.500	1.688	1.531
MS90561-17	2.922	18.000	2.328	2.039
MS90561-18	2.922	19.000	2.500	2.211
MS90561-19	2.235	12.500	1.750	1.550
MS90561-20	2.235	12.000	1.578	1.375
MS90561-21	2.235	8.000	1.160	1.010

RHIMCO STANDARD PRODUCT

RHIMCO PART NUMBER	A DIA (REF)	B APPROX	CABLE RANGE	
			MAX	MIN
MTQWL308-12-.220	.565	3.000	.220	.180
MTQWL308-14-.337	.680	4.000	.337	.275
MTQWL308-14-.281	.685	3.000	.281	.219
MTQWL308-16-.500	.806	4.000	.500	.400
MTQWL308-18-.605	.932	5.000	.605	.500
MTQWL308-18-.520	.932	5.500	.520	.436
MTQWL308-18-.405	.932	4.500	.405	.332
MTQWL308-20-.700	1.049	5.500	.700	.560
MTQWL308-20-.475	1.049	4.500	.475	.349
MTQWL308-20-.520	1.049	5.000	.520	.420
MTQWL308-22-.840	1.175	6.000	.840	.700
MTQWL308-22-.580	1.175	5.000	.580	.450
MTQWL308-24-.970	1.300	6.000	.970	.840
MTQWL308-24-.920	1.300	5.000	.920	.790
MTQWL308-24-.760	1.300	6.000	.760	.630
MTQWL308-24-.620	1.300	5.000	.620	.510
MTQWL308-24-.800	1.300	5.500	.800	.680
MTQWL308-28-1.100	1.551	6.500	1.100	.930
MTQWL308-28-1.000	1.551	6.500	1.000	.810
MTQWL308-28-.880	1.551	6.500	.880	.740
MTQWL308-32-1.340	1.797	8.000	1.340	1.185
MTQWL308-32-1.241	1.792	6.500	1.241	1.055
MTQWL308-32-1.145	1.797	6.500	1.145	1.003
MTQWL308-32-1.000	1.792	6.500	1.000	.815
MTQWL308-32-.832	1.792	5.500	.832	.680
MTQWL308-36-1.530	1.980	9.000	1.530	1.250
MTQWL308-36-1.445	1.980	8.500	1.445	1.225
MTQWL308-40-1.688	2.235	13.500	1.688	1.531
MTQWL308-40-1.516	2.235	8.500	1.516	1.360
MTQWL308-44-1.900	2.417	12.500	1.900	1.600
MTQWL308-44-1.904	2.417	11.000	1.904	1.804

CONSULT FACTORY FOR OTHER AVAILABLE SIZES.

MS23747 (MTQWL305) Cable Sealing Gland



MILITARY APPROVED

MS PART NUMBER	A DIA +.020 -.000	B DIA +.000 -.020	C
MS23747-1	.969	1.805	1.034
MS23747-2	1.130	1.805	1.034
MS23747-3	1.260	1.805	1.034
MS23747-4	.844	1.805	1.034
MS23747-5	1.312	2.242	1.160
MS23747-6	1.375	2.242	1.160
MS23747-7	1.703	2.927	1.284
MS23747-8	1.797	2.927	1.284
MS23747-9	CANCELLED—USE MS23747-18		
MS23747-12	1.047	1.805	1.034
MS23747-13	1.342	1.805	1.034
MS23747-14	1.438	2.242	1.160
MS23747-15	1.516	2.242	1.160
MS23747-16	1.672	2.242	1.160
MS23747-17	2.000	2.680	1.222
MS23747-18	2.328	2.927	1.284
MS23747-19	2.453	2.927	1.284
MS23747-20	1.850	2.242	1.160
MS23747-21	1.562	2.242	1.160
MS23747-22	1.150	2.242	1.160

RHIMCO STANDARD PRODUCT

RHIMCO PART NUMBER	A DIA	B DIA	C
MTQWL305-14-.281	.281	.696	.615
MTQWL305-14-.375	.375	.696	.615
MTQWL305-16-.375	.375	.812	.690
MTQWL305-16-.463	.463	.812	.690
MTQWL305-18-.400	.400	.937	.725
MTQWL305-18-.605	.605	.937	.725
MTQWL305-20-.625	.625	1.060	.781
MTQWL305-20-.699	.699	1.060	.750
MTQWL305-22-.828	.828	1.185	.890
MTQWL305-24-.750	.750	1.308	.905
MTQWL305-24-.900	.900	1.308	.905
MTQWL305-28-.880	.880	1.565	.950
MTQWL305-28-.900	.900	1.565	.950
MTQWL305-28-1.000	1.000	1.565	.950
MTQWL305-28-1.101	1.101	1.565	.950
MTQWL305-32-1.000	1.000	1.795	1.034
MTQWL305-32-1.230	1.230	1.800	1.050
MTQWL305-32-1.250	1.250	1.800	1.062
MTQWL305-32-1.312	1.312	1.785	1.035
MTQWL305-36-1.000	1.000	1.990	1.063
MTQWL305-36-1.375	1.375	1.990	1.125
MTQWL305-40-1.562	1.562	2.230	1.150
MTQWL305-40-1.656	1.656	2.230	1.150
MTQWL305-40-1.730	1.730	2.400	1.230
MTQWL305-40-1.900	1.900	2.400	1.230
MTQWL305-48-2.125	2.125	2.675	1.308

CONSULT FACTORY FOR OTHER AVAILABLE SIZES.

MIL-C-85049 ADAPTERS

Cable Sealing Adapters/Strain Reliefs/Shrink Boot General Description

RHIMCO
INDUSTRIES, INC.

The Rhimco MTWLD adapter series meet or exceeds all the test requirements defined in MIL-C-22992 and MIL-C-85049 respectively, and as outlined on pages 5 and 6. The adapters are designed for the problems associated with multi-conductor cables keeping the cable users in mind.

There are four cable support options which provide moisture/water sealing and eliminate strain on the solderwell, that are available for use with applicable MIL-C-22992 connectors:

- 1) Internal strain relief M85049/3, /4, /5, style 1 used in conjunction with Classes C & R
- 2) External strain relief M85049/3, /4, /5, style 2 used in conjunction with Class J
- 3) Cable gripping (woven) M85049/3, /4, /5, style 3 used in conjunction with Classes C & R
- 4) Shrink boot M85049/59 used in Shrink boot and Potting applications

Options 1, 2 & 3 (above) supply a compression gland in the adapter body. This gland is always used and provides water proofing around the cable. Although the glands close down from approx. .094" to .145" (depending upon shell size) the best condition for cable sealing and gripping is to select a gland with an I.D. only slightly greater than the maximum O.D. of the cable. The inside diameter of the gland determines the maximum diameter of the cable.

The compression gland/follower system (in addition to providing the moisture/water proofing) acts as a strain relief in conjunction with options 1, 2, and 3 outlined above.

The accessory thread on all four adapters listed above are left hand. This is provided to protect against wire termination damage (damage to solder joints) which often occurs when the coupling thread and accessory thread are both right hand type threads.

As there are many manufacturers of multi-conductor cable, the designer is cautioned to consult with the cable manufacturer when selecting the cable range minimum/maximum dimensions to assure adequate moisture/water sealing and strain relief for the system.

The external strain relief, option 2, is used with Class J, and the connector is provided with a grommet for individual wires which, in turn, is used for moisture sealing. To provide the moisture sealing grommet for maximum moisture/water sealing, Rhimco must be supplied with the wire diameter range being used.

The Shrink boot, option 4, does not employ a gland. All moisture proofing/strain relief is provided by the user's selection of potting, shrink boot wall thickness, or potting boot design.

OVERVIEW OF TECHNICAL CAPABILITIES AS PROVEN BY TEST:

- * Temperature range -55°C to +85°C
- * Water Immersion — The sealing system of the adapters is so designed/tested as to preclude the entrance of salt water (under pressure/cold/hot condition) between the connector and the cable/adapter assembly interface.
- * Mechanical Strength — Connector/Adapter assemblies have been fully tested to Vibration, Mil-Std-1344, test condition III, High Impact Shock per Mil-Std-202, method 207 and for Cable Pull Out, External Bending Moment, and Coupling Thread Strength all in compliance with the highest level (category 1) of Mil-C-85049.

SPECIAL APPLICATION ADAPTERS: Mil-C-85049 type (commercial equivalents) adapters are available in:

- * Various materials including Stainless Steel, Nickel/Copper, etc. (consult factory)
- * with EMI protection
- * Fuel resistant rubber (consult factory for additional modifications and ordering information)

SEE PAGE 15 FOR ADAPTER ORDERING INFORMATION.

MIL-C-85049 ADAPTERS

Ordering Information

RHIMCO
INDUSTRIES, INC.

Military Designation

M85049

/3

A

12

A

1

MILITARY PREFIX

STYLE

- 1 = Cable sealing internal strain relief
- △2 = Cable sealing external strain relief
- 3 = Cable gripping (woven)

TYPE

- A = Plug cover (for use with MS17344)
- B = Receptacle cover (for use with MS17343, MS17345, MS17346, MS17347, and MS17348)

SIZE

FINISH

- W = Conductive—Cadmium over Nickel*
- A = Non-conductive—Hard Anodized*

*Both finishes meet 500 hour Salt spray testing

(Other materials and finishes available. Consult factory for applicable modification codes)

CONFIGURATION

- /3 = Straight adapter
- /4 = Step-up adapter
- /5 = Step-down adapter

When ordering a MIL-C-85049 qualified part, please order to the Military Designation.

△ Each wire type, wire range, and grommet design must be submitted for government approval.

Rhimco Commercial Designation

MTWLD5049

/3

A

12

A

1

()

RHIMCO PREFIX

MODIFICATION CODE (Consult Factory)

STYLE

- 1 = Cable sealing internal strain relief
- △2 = Cable sealing external strain relief
- 3 = Cable gripping (woven)

TYPE

- A = Plug cover (for use with MTWLD6)
- B = Receptacle cover (for use with MTWLD0, MTWLD1, MTWLD2, MTWLD3, and MTWLD9)

SIZE**

FINISH

- W = Conductive—Cadmium over Nickel*
- A = Non-conductive—Hard Anodized*

*Both finishes meet 500 hour Salt spray testing

CONFIGURATION

- /3 = Straight adapter
- /4 = Step-up adapter
- /5 = Step-down adapter

When ordering a part not qualified to MIL-C-85049, please order to the Rhimco Commercial Designation.

△ Each wire type, wire range, and grommet design must be submitted for government approval.

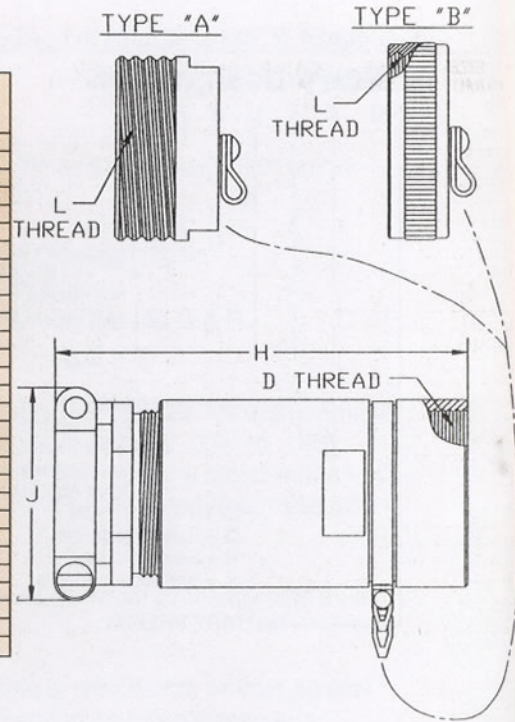
** Other sizes (cable ranges) available, Consult factory for applicable part numbers.

MIL-C-85049 ADAPTERS

M85049/3 Style 1

Straight Adapter With Internal Strain Relief

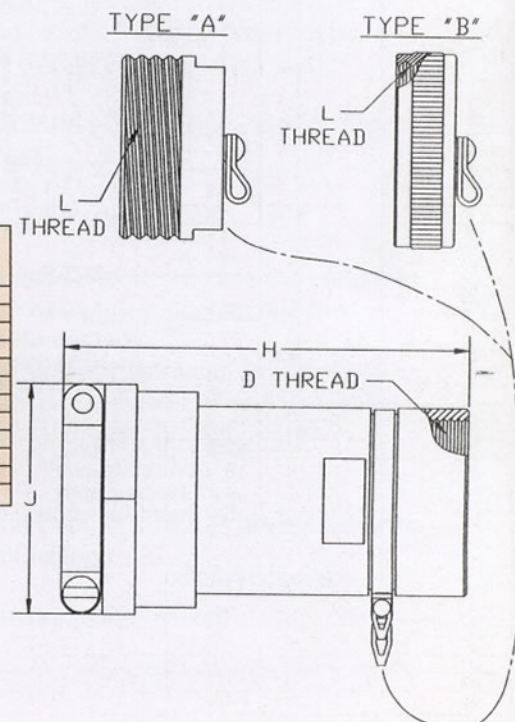
SIZE NUMBER	SHELL SIZE	CABLE RANGE		D THREAD CLASS 2B-LH	H MAX.	J ±.031	L THREAD (PLATED) CLASS 2 (A OR B)
		MAX. DIA.	MIN. DIA.				
1	12	.375	.281	.7500-20 UNEF	3.365	1.062	.8750-0.1P-0.2L-DS
2	12	.281	.188	.7500-20 UNEF	3.365	1.062	.8750-0.1P-0.2L-DS
3	14	.438	.344	.8750-20 UNEF	3.678	1.125	1.0000-0.1P-0.2L-DS
4	16	.605	.511	1.0000-20 UNEF	4.177	1.375	1.1250-0.1P-0.2L-DS
5	16	.530	.436	1.0000-20 UNEF	4.177	1.375	1.1250-0.1P-0.2L-DS
6	16	.405	.311	1.0000-20 UNEF	4.177	1.375	1.1250-0.1P-0.2L-DS
7	18	.625	.531	1.1250-18 NEF	4.489	1.562	1.2500-0.1P-0.2L-DS
8	18	.699	.605	1.1250-18 NEF	4.489	1.562	1.2500-0.1P-0.2L-DS
9	18	.500	.406	1.1250-18 NEF	4.489	1.562	1.2500-0.1P-0.2L-DS
10	18	.455	.361	1.1250-18 NEF	4.489	1.562	1.2500-0.1P-0.2L-DS
11	20	.828	.715	1.2500-18 NEF	4.615	1.688	1.3750-0.1P-0.2L-DS
12	20	.562	.449	1.2500-18 NEF	4.615	1.688	1.3750-0.1P-0.2L-DS
13	22	.750	.637	1.3750-18 NEF	4.647	1.812	1.5000-0.1P-0.2L-DS
14	22	.900	.787	1.3750-18 NEF	4.647	1.812	1.5000-0.1P-0.2L-DS
15	22	.805	.692	1.3750-18 NEF	4.647	1.812	1.5000-0.1P-0.2L-DS
16	24	1.055	.930	1.6250-18 NEF	4.896	2.125	1.7500-0.1P-0.2L-DS
17	24	1.000	.675	1.6250-18 NEF	4.896	2.125	1.7500-0.1P-0.2L-DS
18	24	1.109	.984	1.6250-18 NEF	4.896	2.125	1.7500-0.1P-0.2L-DS
19	24	.880	.755	1.6250-18 NEF	4.896	2.125	1.7500-0.1P-0.2L-DS
20	28	1.180	1.055	1.8750-16 UN	4.959	2.469	2.0000-0.1P-0.2L-DS
21	28	1.230	1.105	1.8750-16 UN	4.959	2.469	2.0000-0.1P-0.2L-DS
22	28	1.310	1.185	1.8750-16 UN	4.959	2.469	2.0000-0.1P-0.2L-DS
23	32	1.455	1.320	2.0625-16 UNS	5.021	2.625	2.2500-0.1P-0.2L-DS
24	32	1.531	1.406	2.0625-16 UNS	5.021	2.625	2.2500-0.1P-0.2L-DS
25	32	1.375	1.250	2.0625-16 UNS	5.021	2.625	2.2500-0.1P-0.2L-DS
26	36	1.656	1.531	2.3125-16 UNS	5.083	2.953	2.5000-0.1P-0.2L-DS
27	36	1.562	1.437	2.3125-16 UNS	5.083	2.953	2.5000-0.1P-0.2L-DS
28	44	2.250	2.105	2.8750-16 UN	6.471	3.500	3.0000-0.1P-0.2L-DS
29	44	2.170	2.025	2.8750-16 UN	6.471	3.500	3.0000-0.1P-0.2L-DS



M85049/3 Style 2

Straight Adapter with External Strain Relief

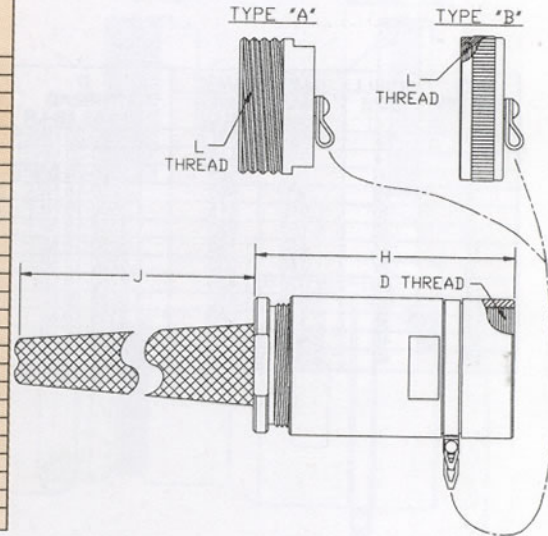
SIZE NUMBER	SHELL SIZE	CABLE RANGE		D THREAD CLASS 2B-LH	H MAX.	J MAX.	L THREAD (PLATED) CLASS 2 (A OR B)
		MAX. DIA.	MIN. DIA.				
1	12	.396	.246	.7500-20 UNEF	4.000	1.110	.8750-0.1P-0.2L-DS
2	14	.521	.321	.8750-20 UNEF	4.100	1.320	1.0000-0.1P-0.2L-DS
3	16	.646	.446	1.0000-20 UNEF	4.400	1.420	1.1250-0.1P-0.2L-DS
4	18	.765	.565	1.1250-18 UNEF	4.900	1.600	1.2500-0.1P-0.2L-DS
5	20	.890	.690	1.2500-18 UNEF	4.900	1.750	1.3750-0.1P-0.2L-DS
6	22	1.015	.815	1.3750-18 UNEF	4.900	1.900	1.5000-0.1P-0.2L-DS
7	24	1.180	.980	1.6250-18 NEF	5.000	2.190	1.7500-0.1P-0.2L-DS
8	28	1.430	1.230	1.8750-16 UN	5.300	2.475	2.0000-0.1P-0.2L-DS
9	28	1.230	1.030	1.8750-16 UN	5.300	2.475	2.0000-0.1P-0.2L-DS
10	32	1.670	1.430	2.0625-16 N	5.600	2.715	2.2500-0.1P-0.2L-DS
11	36	1.860	1.660	2.3125-16 N	5.600	2.900	2.5000-0.1P-0.2L-DS
12	40	2.110	1.860	2.6250-16 UN	5.725	3.250	2.7500-0.1P-0.2L-DS



MIL-C-85049 ADAPTERS

M85049/3 Style 3 Straight Adapter with Cable Gripping (Woven)

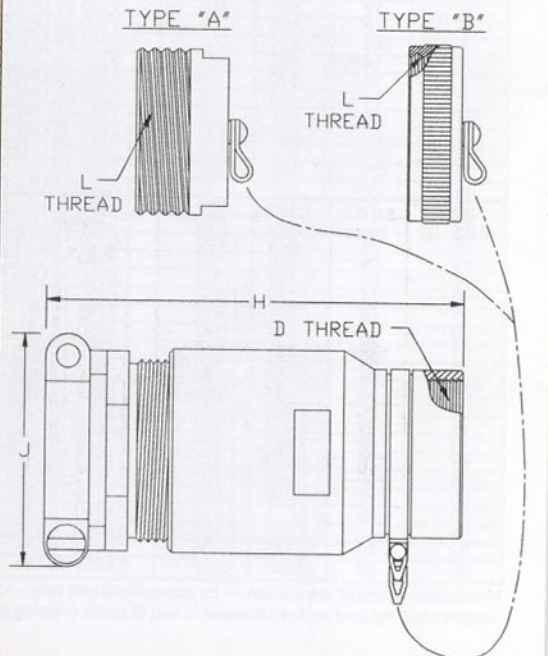
SIZE NUMBER	SHELL SIZE	CABLE RANGE		D THREAD CLASS 2B-LH	H MAX.	J APPROX. FREE LENGTH	L THREAD (PLATED) CLASS 2 (A OR B)
		MAX. DIA.	MIN. DIA.				
1	12	.377	.281	.7500-20 UNEF	2.935	3.344	.8750-0.1P-0.2L-DS
2	12	.281	.219	.7500-20 UNEF	2.935	1.062	.8750-0.1P-0.2L-DS
3	14	.438	.400	.8750-20 UNEF	3.248	4.344	1.0000-0.1P-0.2L-DS
4	16	.605	.511	1.0000-20 UNEF	3.712	5.188	1.1250-0.1P-0.2L-DS
5	16	.530	.436	1.0000-20 UNEF	3.712	4.688	1.1250-0.1P-0.2L-DS
6	16	.405	.316	1.0000-20 UNEF	3.712	3.688	1.1250-0.1P-0.2L-DS
7	18	.699	.605	1.1250-18 UNEF	4.024	6.188	1.2500-0.1P-0.2L-DS
8	18	.625	.560	1.1250-18 UNEF	4.024	6.188	1.2500-0.1P-0.2L-DS
9	18	.455	.361	1.1250-18 UNEF	4.024	4.188	1.2500-0.1P-0.2L-DS
10	20	.828	.715	1.2500-18 UNEF	4.115	6.688	1.3750-0.1P-0.2L-DS
11	20	.562	.449	1.2500-18 UNEF	4.115	5.188	1.3750-0.1P-0.2L-DS
12	22	.900	.787	1.3750-18 UNEF	4.150	7.188	1.5000-0.1P-0.2L-DS
13	22	.750	.637	1.3750-18 UNEF	4.150	6.688	1.5000-0.1P-0.2L-DS
14	24	1.109	.984	1.6250-18 UNEF	4.212	7.688	1.7500-0.1P-0.2L-DS
15	24	1.000	.875	1.6250-18 UNEF	4.212	7.188	1.7500-0.1P-0.2L-DS
16	24	.880	.755	1.6250-18 UNEF	4.212	6.688	1.7500-0.1P-0.2L-DS
17	28	1.310	1.185	1.8750-16 UN	4.275	8.688	2.0000-0.1P-0.2L-DS
18	28	1.230	1.105	1.8750-16 UN	4.275	8.188	2.0000-0.1P-0.2L-DS
19	28	1.180	1.055	1.8750-16 UNS	4.275	8.188	2.0000-0.1P-0.2L-DS
20	32	1.531	1.406	2.0625-16 UNS	4.337	10.688	2.2500-0.1P-0.2L-DS
21	32	1.455	1.320	2.0625-16 UN	4.337	9.688	2.2500-0.1P-0.2L-DS
22	32	1.375	1.250	2.0625-16 UN	4.337	9.688	2.2500-0.1P-0.2L-DS
23	36	1.656	1.531	2.3125-16 UN	4.399	12.688	2.5000-0.1P-0.2L-DS
24	36	1.562	1.437	2.3125-16 UN	4.399	11.188	2.5000-0.1P-0.2L-DS
25	44	2.250	2.105	2.8750-16 UN	5.799	17.188	3.0000-0.1P-0.2L-DS
26	44	2.170	2.025	2.8750-16 UN	5.799	17.188	3.0000-0.1P-0.2L-DS



Modification Code (if applicable) — for commercial use only — 891 = MTWLD5049 (style 3) adapter supplied with compression nut and tapered follower in lieu of cable gripping (woven).

M85049/4 Style 1 Step-Up Adapter with Internal Strain Relief

SIZE NUMBER	SHELL SIZE	CABLE RANGE		D THREAD CLASS 2B-LH	H MAX.	J ±.031	L THREAD (PLATED) CLASS 2 (A OR B)
		MAX. DIA.	MIN. DIA.				
1	12	.530	.436	.7500-20 UNEF	4.275	1.375	.8750-0.1P-0.2L-DS
2	12	.500	.406	.7500-20 UNEF	3.678	1.125	.8750-0.1P-0.2L-DS
3	12	.405	.311	.7500-20 UNEF	4.275	1.375	.8750-0.1P-0.2L-DS
4	14	.605	.511	.8750-20 UNEF	4.177	1.375	1.0000-0.1P-0.2L-DS
5	14	.625	.531	.8750-20 UNEF	4.489	1.562	1.0000-0.1P-0.2L-DS
6	14	.530	.436	.8750-20 UNEF	4.177	1.375	1.0000-0.1P-0.2L-DS
7	14	.405	.311	.8750-20 UNEF	4.177	1.375	1.0000-0.1P-0.2L-DS
8	18	.828	.715	1.1250-18 NEF	4.584	1.688	1.2500-0.1P-0.2L-DS
9	20	.750	.637	1.1250-18 NEF	4.647	1.812	1.3750-0.1P-0.2L-DS
10	20	1.000	.875	1.1250-18 NEF	4.896	2.125	1.3750-0.1P-0.2L-DS
11	20	.900	.787	1.2500-18 NEF	4.647	1.812	1.3750-0.1P-0.2L-DS
12	20	1.055	.930	1.2500-18 NEF	4.896	2.125	1.3750-0.1P-0.2L-DS
13	22	1.000	.875	1.3750-18 NEF	4.896	2.125	1.3750-0.1P-0.2L-DS
14	22	1.109	.984	1.3750-18 NEF	4.896	2.125	1.5000-0.1P-0.2L-DS
15	24	1.180	1.055	1.6250-18 UNEF	4.959	2.469	1.7500-0.1P-0.2L-DS
16	24	1.310	1.185	1.6250-18 UNEF	4.959	2.469	1.7500-0.1P-0.2L-DS
17	24	1.230	1.105	1.6250-18 UNEF	4.959	2.469	1.7500-0.1P-0.2L-DS
18	24	1.375	1.250	1.6250-18 UNEF	4.959	2.625	1.7500-0.1P-0.2L-DS
19	28	1.445	1.320	1.8750-16 UN	5.021	2.625	2.0000-0.1P-0.2L-DS
20	28	1.531	1.406	1.8750-16 UN	5.021	2.625	2.0000-0.1P-0.2L-DS
21	28	1.375	1.250	1.8750-16 UN	5.021	2.625	2.0000-0.1P-0.2L-DS
22	32	1.656	1.531	2.0625-16 UNS	5.083	2.953	2.2500-0.1P-0.2L-DS
23	32	1.828	1.700	2.0625-16 UNS	5.385	3.171	2.2500-0.1P-0.2L-DS
24	32	1.562	1.437	2.0625-16 UNS	5.083	2.953	2.2500-0.1P-0.2L-DS
25	32	1.730	1.605	2.0625-16 UNS	5.385	3.171	2.2500-0.1P-0.2L-DS
26	36	1.900	1.775	2.3125-16 UNS	5.354	3.171	2.2500-0.1P-0.2L-DS
27	36	1.730	1.605	2.3125-16 UNS	5.354	3.171	2.2500-0.1P-0.2L-DS
28	36	1.825	1.700	2.3125-16 UNS	5.354	3.171	2.2500-0.1P-0.2L-DS
29	36	1.984	1.859	2.3125-16 UNS	5.354	3.171	2.5000-0.1P-0.2L-DS
30	36	2.062	1.917	2.3125-16 UNS	5.385	3.375	2.5000-0.1P-0.2L-DS
31	40	2.375	2.230	2.6250-16 UN	5.682	3.625	2.7500-0.1P-0.2L-DS
32	40	2.250	2.105	2.6250-16 UN	5.682	3.500	2.7500-0.1P-0.2L-DS
33	40	2.145	2.000	2.6250-16 UN	5.620	3.375	2.7500-0.1P-0.2L-DS
34	40	2.062	1.917	2.6250-16 UN	5.620	3.375	2.7500-0.1P-0.2L-DS
35	44	2.328	2.183	2.8750-16 UN	6.471	3.531	3.0000-0.1P-0.2L-DS

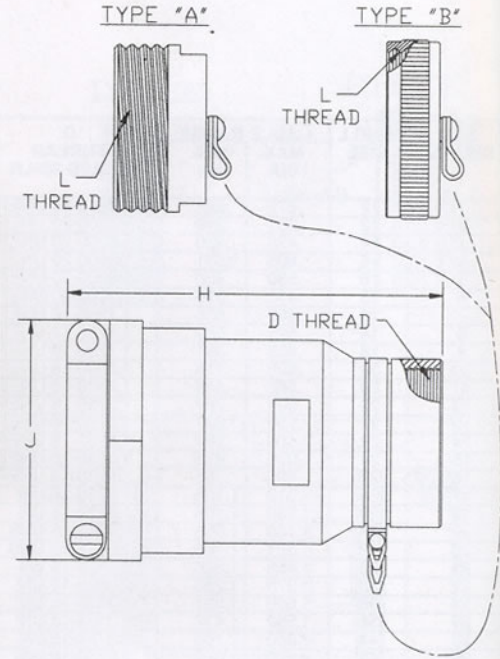


MIL-C-85049 ADAPTERS

M85049/4 Style 2

Step-up Adapter with External Strain Relief

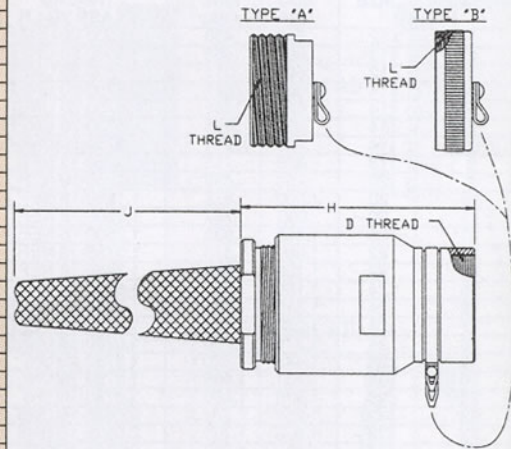
SIZE NUMBER	SHELL SIZE	CABLE RANGE		D THREAD CLASS 2B-LH	H MAX.	J MAX.	L THREAD (PLATED) CLASS 2 (A OR B)
		MAX. DIA.	MIN. DIA.				
1	12	.521	.321	0.7500-20 UNEF	4.000	1.320	.8750-0.1P-0.2L-DS
2	14	.646	.446	0.8750-20 UNEF	4.100	1.420	1.0000-0.1P-0.2L-DS
3	16	.765	.565	1.0000-20 UNEF	4.800	1.600	1.1250-0.1P-0.2L-DS
4	18	.890	.690	1.1250-18 NEF	4.900	1.750	1.2500-0.1P-0.2L-DS
5	20	1.015	.815	1.2500-18 NEF	4.900	1.900	1.3750-0.1P-0.2L-DS
6	22	1.180	.980	1.3750-18 NEF	4.900	2.190	1.5000-0.1P-0.2L-DS
7	24	1.430	1.230	1.6250-18 NEF	5.000	2.475	1.7500-0.1P-0.2L-DS
8	24	1.230	1.030	1.6250-18 NEF	5.000	2.475	2.0000-0.1P-0.2L-DS
9	28	1.670	1.430	1.8750-18 UN	5.300	2.715	2.0000-0.1P-0.2L-DS
10	32	1.860	1.660	2.0625-16 N	5.600	2.900	2.2500-0.1P-0.2L-DS
11	36	2.110	1.860	2.3125-16 N	5.725	3.250	2.5000-0.1P-0.2L-DS
12	40	2.400	2.200	2.6250-16 UN	5.725	3.625	2.7500-0.1P-0.2L-DS
13	40	2.200	2.200	2.6250-16 UN	5.725	3.625	2.7500-0.1P-0.2L-DS



M85049/4 Style 3

Step-Up Adapter with Cable Gripping (Woven)

SIZE NUMBER	SHELL SIZE	CABLE RANGE		D THREAD CLASS 2B-LH	H MAX.	J APPROX. FREE LENGTH	L THREAD (PLATED) CLASS 2 (A OR B)
		MAX. DIA.	MIN. DIA.				
1	12	.530	.436	.7500-20 UNEF	3.810	4.688	.8750-0.1P-0.2L-DS
2	12	.500	.406	.7500-20 UNEF	3.248	4.344	.8750-0.1P-0.2L-DS
3	12	.405	.316	.7500-20 UNEF	3.810	3.688	.8750-0.1P-0.2L-DS
4	14	.625	.560	.8750-20 UNEF	4.024	6.188	1.0000-0.1P-0.2L-DS
5	14	.605	.511	.8750-20 UNEF	3.712	5.188	1.0000-0.1P-0.2L-DS
6	14	.530	.430	.8750-20 UNEF	3.712	4.688	1.0000-0.1P-0.2L-DS
7	14	.405	.316	.8750-20 UNEF	3.712	3.688	1.0000-0.1P-0.2L-DS
8	18	.828	.715	1.1250-18 UNEF	4.087	6.688	1.2500-0.1P-0.2L-DS
9	20	1.055	.930	1.2500-18 UNEF	4.212	7.688	1.3750-0.1P-0.2L-DS
10	20	1.000	.875	1.2500-18 UNEF	4.212	7.188	1.3750-0.1P-0.2L-DS
11	20	.900	.787	1.2500-18 UNEF	4.150	7.188	1.3750-0.1P-0.2L-DS
12	20	.750	.637	1.2500-18 UNEF	4.150	7.188	1.3750-0.1P-0.2L-DS
13	22	1.109	.984	1.3750-18 UNEF	4.212	7.688	1.5000-0.1P-0.2L-DS
14	22	1.000	.875	1.3750-18 UNEF	4.212	7.188	1.5000-0.1P-0.2L-DS
15	24	1.375	1.250	1.6250-18 UNEF	4.275	9.688	1.7500-0.1P-0.2L-DS
16	24	1.310	1.185	1.6250-18 UNEF	4.275	8.688	1.7500-0.1P-0.2L-DS
17	24	1.230	1.105	1.6250-18 UNEF	4.275	8.188	1.7500-0.1P-0.2L-DS
18	24	1.180	1.055	1.6250-18 UNEF	4.275	8.188	1.7500-0.1P-0.2L-DS
19	28	1.531	1.406	1.8750-16 UN	4.337	10.688	2.0000-0.1P-0.2L-DS
20	28	1.445	1.320	1.8750-16 UN	4.337	9.688	2.0000-0.1P-0.2L-DS
21	28	1.375	1.250	1.8750-16 UN	4.337	9.688	2.0000-0.1P-0.2L-DS
22	32	1.825	1.700	2.0625-16 UNS	4.704	13.688	2.2500-0.1P-0.2L-DS
23	32	1.730	1.605	2.0625-16 UNS	4.704	13.688	2.2500-0.1P-0.2L-DS
24	32	1.656	1.531	2.0625-16 UNS	4.399	12.688	2.2500-0.1P-0.2L-DS
25	36	2.062	1.917	2.3125-16 UNS	4.704	14.188	2.5000-0.1P-0.2L-DS
26	36	1.984	1.859	2.3125-16 UNS	4.673	13.688	2.5000-0.1P-0.2L-DS
27	36	1.900	1.775	2.3125-16 UNS	4.673	13.688	2.5000-0.1P-0.2L-DS
28	36	1.825	1.700	2.3125-16 UNS	4.673	13.688	2.5000-0.1P-0.2L-DS
29	36	1.730	1.605	2.3125-16 UNS	4.673	13.688	2.5000-0.1P-0.2L-DS
30	40	2.375	2.230	2.6250-16 UN	5.000	18.188	2.7500-0.1P-0.2L-DS
31	40	2.250	2.105	2.6250-16 UN	5.000	17.188	2.7500-0.1P-0.2L-DS
32	40	2.145	2.000	2.6250-16 UN	4.939	14.188	2.7500-0.1P-0.2L-DS
33	40	2.062	1.917	2.6250-16 UN	4.939	14.188	2.7500-0.1P-0.2L-DS

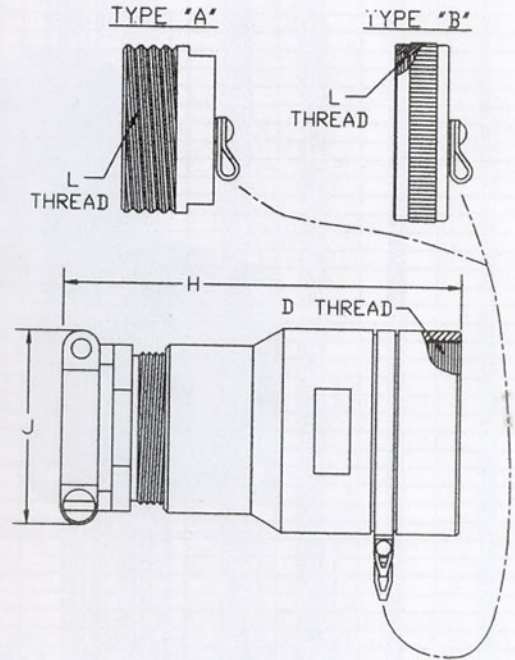


Modification Code (if applicable) — for commercial use only — 891 = MTWLD5049 (style 3) adapter supplied with compression nut and tapered follower in lieu of cable gripping (woven).

MIL-C-85049 ADAPTERS

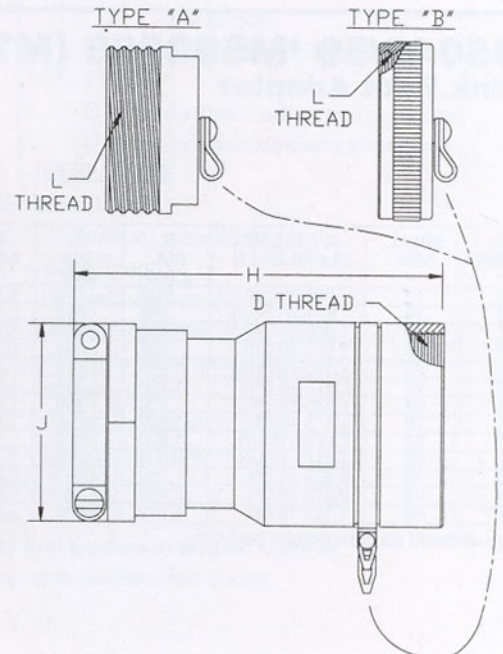
M85049/5 Style 1 Step-Down with Internal Strain Relief

SIZE NUMBER	SHELL SIZE	CABLE RANGE		D THREAD CLASS 2B-LH	H MAX.	J +.031	L THREAD (PLATED) CLASS 2 (A OR B)
		MAX. DIA.	MIN. DIA.				
1	12	.156	.361	.7500-20 UNEF	3.182	.938	.8750-0.1P-0.2L-DS
2	18	.281	.375	1.1250-18 NEF	3.901	1.062	1.2500-0.1P-0.2L-DS
3	18	.281	.375	1.1250-18 NEF	3.932	1.125	1.2500-0.1P-0.2L-DS
4	18	.188	.281	1.1250-18 NEF	3.901	1.062	1.2500-0.1P-0.2L-DS
5	18	.511	.605	1.1250-18 NEF	4.177	1.375	1.2500-0.1P-0.2L-DS
6	18	.436	.530	1.1250-18 NEF	4.177	1.375	1.2500-0.1P-0.2L-DS
7	20	.605	.699	1.2500-18 NEF	4.489	1.562	1.3750-0.1P-0.2L-DS
8	20	.361	.455	1.2500-18 NEF	4.489	1.562	1.3750-0.1P-0.2L-DS
9	20	.511	.605	1.2500-18 NEF	4.306	1.375	1.3750-0.1P-0.2L-DS
10	22	.449	.562	1.3750-18 NEF	4.594	1.688	1.5000-0.1P-0.2L-DS
11	22	.311	.405	1.3750-18 NEF	4.306	1.375	1.5000-0.1P-0.2L-DS
12	22	.715	.828	1.3750-18 NEF	4.306	1.375	1.5000-0.1P-0.2L-DS
13	24	.787	.900	1.6250-18 NEF	4.647	1.812	1.7500-0.1P-0.2L-DS
14	24	.517	.630	1.6250-18 NEF	4.647	1.812	1.7500-0.1P-0.2L-DS
15	24	.637	.750	1.6250-18 NEF	4.647	1.812	1.7500-0.1P-0.2L-DS
16	24	.857	.970	1.6250-18 NEF	4.647	1.812	1.7500-0.1P-0.2L-DS
17	24	.715	.828	1.6250-18 NEF	4.542	1.688	1.7500-0.1P-0.2L-DS
18	24	.692	.805	1.6250-18 NEF	4.647	1.812	1.7500-0.1P-0.2L-DS
19	28	.755	.880	1.8750-16 UN	4.896	2.125	2.0000-0.1P-0.2L-DS
20	28	.984	1.109	1.8750-16 UN	4.896	2.125	2.0000-0.1P-0.2L-DS
21	28	.637	.750	1.8750-16 UN	4.647	1.812	2.0000-0.1P-0.2L-DS
22	28	.281	.375	1.8750-16 UN	4.229	1.125	2.0000-0.1P-0.2L-DS
23	28	.857	.970	1.8750-16 UN	4.647	1.812	2.0000-0.1P-0.2L-DS
24	28	.875	1.000	1.8750-16 UN	4.896	2.125	2.0000-0.1P-0.2L-DS
25	28	.436	.530	1.8750-16 UN	4.431	1.375	2.0000-0.1P-0.2L-DS
26	28	.567	.680	1.8750-16 UN	4.647	1.812	2.0000-0.1P-0.2L-DS
27	32	.930	1.055	2.0625-16 N	4.896	2.125	2.2500-0.1P-0.2L-DS
28	32	1.150	1.230	2.0625-16 N	4.959	2.469	2.2500-0.1P-0.2L-DS
29	32	.637	.750	2.0625-16 N	4.647	1.812	2.2500-0.1P-0.2L-DS
30	32	.755	.880	2.0625-16 N	4.896	2.125	2.2500-0.1P-0.2L-DS
31	32	.984	1.109	2.0625-16 N	4.896	2.125	2.2500-0.1P-0.2L-DS
32	32	.857	.970	2.0625-16 N	4.647	1.812	2.2500-0.1P-0.2L-DS
33	32	.281	.375	2.0625-16 N	4.276	1.125	2.2500-0.1P-0.2L-DS
34	32	.436	.530	2.0625-16 N	4.431	1.375	2.2500-0.1P-0.2L-DS
35	32	1.005	1.130	2.0625-16 N	4.959	2.469	2.2500-0.1P-0.2L-DS
36	36	1.185	1.310	2.3125-16 N	4.959	2.469	2.2500-0.1P-0.2L-DS
37	36	.984	1.109	2.3125-16 N	4.896	2.125	2.2500-0.1P-0.2L-DS
38	36	1.250	1.375	2.3125-16 N	5.021	2.625	2.2500-0.1P-0.2L-DS
39	36	1.055	1.180	2.3125-16 N	4.959	2.469	2.2500-0.1P-0.2L-DS
40	36	1.320	1.445	2.3125-16 N	5.021	2.625	2.2500-0.1P-0.2L-DS
41	36	.857	.970	2.3125-16 N	4.651	1.812	2.2500-0.1P-0.2L-DS
42	36	1.105	1.230	2.3125-16 N	4.959	2.469	2.2500-0.1P-0.2L-DS
43	40	1.815	1.940	2.6250-16 UN	6.354	3.171	2.7500-0.1P-0.2L-DS
44	40	1.700	1.825	2.6250-16 UN	6.354	3.171	2.7500-0.1P-0.2L-DS
45	40	1.605	1.730	2.6250-16 UN	6.354	3.171	2.7500-0.1P-0.2L-DS
46	40	1.531	1.656	2.6250-16 UN	6.057	2.953	2.7500-0.1P-0.2L-DS
47	44	1.867	2.000	2.8750-16 UN	6.345	3.375	3.0000-0.1P-0.2L-DS
48	44	1.775	1.900	2.8750-16 UN	5.266	3.171	3.0000-0.1P-0.2L-DS



M85049/5 Style 2 Step-Down with External Strain Relief

SIZE NUMBER	SHELL SIZE	CABLE RANGE		D THREAD CLASS 2B-LH	H MAX.	J MAX.	L THREAD (PLATED) CLASS 2 (A OR B)
		MAX. DIA.	MIN. DIA.				
1	12	.280	.130	.7500-20 UNEF	4.000	1.100	.8750-0.1P-0.2L-DS
2	14	.396	.246	.8750-20 UNEF	4.100	1.110	1.0000-0.1P-0.2L-DS
3	16	.521	.321	1.0000-20 UNEF	4.400	1.320	1.1250-0.1P-0.2L-DS
4	18	.646	.446	1.1250-18 UNEF	4.600	1.420	1.2500-0.1P-0.2L-DS
5	18	.475	.300	1.0000-20 UNEF	4.600	1.420	1.2500-0.1P-0.2L-DS
6	20	.765	.565	1.3750-18 UNEF	4.900	1.600	1.3750-0.1P-0.2L-DS
7	20	.600	.400	1.6250-18 NEF	4.900	1.600	1.3750-0.1P-0.2L-DS
8	22	.890	.690	1.6250-18 NEF	4.900	1.750	1.5000-0.1P-0.2L-DS
9	22	.700	.500	1.6250-18 NEF	4.900	1.750	1.5000-0.1P-0.2L-DS
10	22	.525	.400	1.3750-18 NEF	4.900	1.750	1.5000-0.1P-0.2L-DS
11	24	1.015	.815	1.6250-18 NEF	5.000	1.900	1.7500-0.1P-0.2L-DS
12	24	.815	.595	1.6250-18 NEF	5.000	1.900	1.7500-0.1P-0.2L-DS
13	28	1.180	.980	1.6250-18 NEF	5.300	2.190	2.0000-0.1P-0.2L-DS
14	28	.980	.780	1.6250-18 NEF	5.300	2.190	2.0000-0.1P-0.2L-DS
15	32	1.430	1.230	2.0625-16 N	5.600	2.475	2.2500-0.1P-0.2L-DS
16	32	1.230	1.030	2.0625-16 N	5.600	2.475	2.2500-0.1P-0.2L-DS
17	36	1.670	1.470	2.3125-16 N	5.600	2.715	2.5000-0.1P-0.2L-DS
18	36	1.470	1.270	2.3125-16 N	5.600	2.715	2.5000-0.1P-0.2L-DS
19	40	1.860	1.660	2.6250-16 UN	5.725	2.900	2.7500-0.1P-0.2L-DS
20	40	1.660	1.400	2.6250-16 UN	5.725	2.900	2.7500-0.1P-0.2L-DS

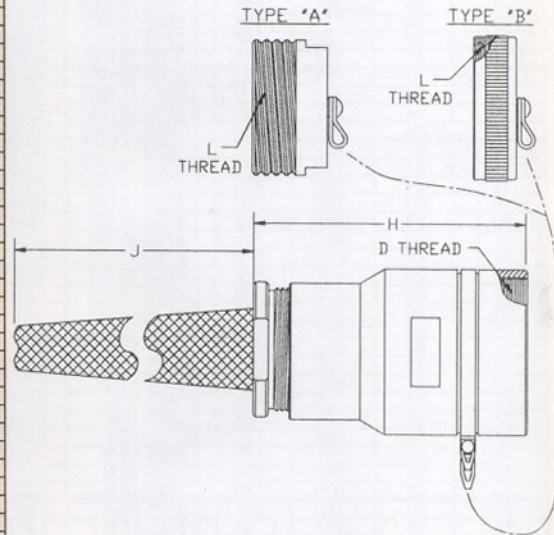


MIL-C-85049 ADAPTERS

M85049/5 Style 3

Step-Down Adapter with Cable Gripping (Woven)

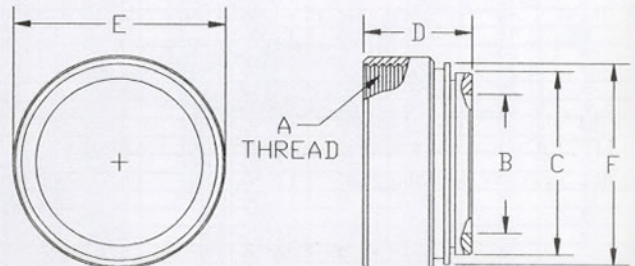
SIZE NUMBER	SHELL SIZE	CABLE RANGE		D THREAD CLASS 2B-LH	H MAX.	J ±.031	L THREAD (PLATED) CLASS 2 (A OR B)
		MIN. DIA.	MAX. DIA.				
1	12	.160	.222	.7500-20 UNEF	2.752	2.406	.8750-0.1P-0.2L-DS
2	18	.511	.605	1.1250-18 UNEF	3.712	5.188	1.2500-0.1P-0.2L-DS
3	18	.436	.530	1.1250-18 UNEF	3.712	4.688	1.2500-0.1P-0.2L-DS
4	18	.306	.375	1.1250-18 UNEF	3.502	3.844	1.2500-0.1P-0.2L-DS
5	18	.219	.281	1.1250-18 UNEF	3.471	2.844	1.2500-0.1P-0.2L-DS
6	20	.605	.699	1.2500-18 UNEF	4.024	6.188	1.3750-0.1P-0.2L-DS
7	20	.511	.605	1.2500-18 UNEF	3.841	5.188	1.3750-0.1P-0.2L-DS
8	20	.361	.455	1.2500-18 UNEF	4.024	4.188	1.3750-0.1P-0.2L-DS
9	22	.715	.828	1.3750-18 UNEF	4.087	6.688	1.5000-0.1P-0.2L-DS
10	22	.449	.562	1.3750-18 UNEF	4.087	5.188	1.5000-0.1P-0.2L-DS
11	22	.316	.405	1.3750-18 UNEF	3.841	3.688	1.5000-0.1P-0.2L-DS
12	24	.692	.805	1.6250-18 UNEF	4.150	6.688	1.7500-0.1P-0.2L-DS
13	24	.637	.750	1.6250-18 UNEF	4.150	6.688	1.7500-0.1P-0.2L-DS
14	24	.517	.630	1.6250-18 UNEF	4.150	5.688	1.7500-0.1P-0.2L-DS
15	28	.984	1.109	1.8750-16 UNEF	4.212	7.688	2.0000-0.1P-0.2L-DS
16	28	.875	1.000	1.8750-16 UNEF	4.212	7.188	2.0000-0.1P-0.2L-DS
17	28	.755	.880	1.8750-16 UNEF	4.212	6.688	2.0000-0.1P-0.2L-DS
18	28	.637	.750	1.8750-16 UNEF	4.150	6.688	2.0000-0.1P-0.2L-DS
19	28	.567	.680	1.8750-16 UNEF	4.150	6.688	2.0000-0.1P-0.2L-DS
20	28	.436	.530	1.8750-16 UNEF	3.966	4.688	2.0000-0.1P-0.2L-DS
21	28	.306	.375	1.8750-16 UNEF	3.799	3.844	2.0000-0.1P-0.2L-DS
22	32	1.105	1.230	2.0625-16 UN	4.275	8.188	2.2500-0.1P-0.2L-DS
23	32	1.005	1.130	2.0625-16 UN	4.275	7.188	2.2500-0.1P-0.2L-DS
24	32	.930	1.055	2.0625-16 UN	4.212	7.688	2.2500-0.1P-0.2L-DS
25	32	.857	.970	2.0625-16 UN	4.150	7.188	2.2500-0.1P-0.2L-DS
26	32	.755	.880	2.0625-16 UN	4.212	6.688	2.2500-0.1P-0.2L-DS
27	32	.637	.750	2.0625-16 UN	4.150	6.688	2.2500-0.1P-0.2L-DS
28	32	.436	.530	2.0625-16 UN	3.966	4.688	2.2500-0.1P-0.2L-DS
29	32	.306	.375	2.0625-16 UN	3.846	3.844	2.2500-0.1P-0.2L-DS
30	36	1.320	1.445	2.3125-16 UN	4.337	9.688	2.5000-0.1P-0.2L-DS
31	36	1.250	1.375	2.3125-16 UN	4.337	9.688	2.5000-0.1P-0.2L-DS
32	36	1.185	1.310	2.3125-16 UN	4.275	8.688	2.5000-0.1P-0.2L-DS
33	36	1.105	1.230	2.3125-16 UN	4.275	8.188	2.5000-0.1P-0.2L-DS
34	36	1.055	1.180	2.3125-16 UN	4.275	8.188	2.5000-0.1P-0.2L-DS
35	36	.984	1.109	2.3125-16 UN	4.212	7.688	2.5000-0.1P-0.2L-DS
36	36	.857	.970	2.3125-16 UN	4.154	7.188	2.5000-0.1P-0.2L-DS
37	40	1.815	1.940	2.6250-16 UN	5.673	13.188	2.7500-0.1P-0.2L-DS
38	40	1.700	1.825	2.6250-16 UN	5.673	13.188	2.7500-0.1P-0.2L-DS
39	40	1.605	1.730	2.6250-16 UN	5.673	13.188	2.7500-0.1P-0.2L-DS
40	40	1.531	1.656	2.6250-16 UN	5.373	12.688	2.7500-0.1P-0.2L-DS
41	44	1.867	2.000	2.8750-16 UN	5.673	14.188	3.0000-0.1P-0.2L-DS
42	44	1.775	1.900	2.8750-16 UN	4.594	13.688	3.0000-0.1P-0.2L-DS



Modification Code (if applicable) — for commercial use only — 891 = MTWLD5049 (style 3) adapter supplied with compression nut and tapered follower in lieu of cable gripping (woven).

M85049/59 †MS90568 (MTWLD067* 13/48) Shrink Boot Adapter

SIZE NUMBER	SHELL SIZE	A THREAD CLASS 2B-LH	B DIA. ±.005	C +.010 - .000	D ±.031	E ±.010	F DIA. ±.010
13	12	.750-20 UNEF	.500	.766	1.175	.923	.798
15	14	.875-20 UNEF	.656	.844	1.175	1.047	.922
17	16	1.000-20 UNEF	.813	.969	1.175	1.172	1.048
18	18	1.125-18 UNEF	.938	1.094	1.175	1.297	1.172
20	20	1.250-18 UNEF	1.063	1.219	1.175	1.422	1.297
22	22	1.375-18 UNEF	1.188	1.344	1.175	1.547	1.423
24	24	1.625-18 UNEF	1.312	1.469	1.175	1.787	1.662
28	28	1.875-16 UN	1.500	1.719	1.175	2.047	1.922
32	32	2.0625-16 UN	1.800	2.000	1.175	2.297	2.172
36	36	2.3125-16 UN	2.000	2.219	1.175	2.547	2.422
40	40	2.625-16 UN	2.250	2.469	1.375	2.859	2.734
44	44	2.875-16 UN	2.459	2.782	1.375	3.110	2.982
48**	48	3.125-16 UN	2.719	3.046	1.375	3.360	3.244



**To be ordered as commercial part only.

†Obsolete

*Finish:

C = Conductive—Cadmium Over Nickel

N = Non-Conductive — Hard Anodized

(Consult Factory for Other Available Finishes)

MTQWL CONNECTORS

General Description/Ordering Information

RHIMCO
INDUSTRIES, INC.



GENERAL DESCRIPTION

The Rhimco MTQWL series of electrical connectors complies with the heavy duty and strict environmental requirements of Missile launching equipment, aircraft ground support equipment and ground radar. In non-military applications this rugged series of connectors is found in mining, oil field, heavy construction and geophysical installations.

The accessory thread on MTQWL connectors are left hand. This is provided to protect against wire termination damage (damage to solder joints) which often occurs when the coupling thread and accessory thread are both right hand type threads. In addition the left hand threads prevent inadvertent loosening of cable attachments.

MTQWL connectors have been designed to the requirements of MIL-C-5015 and MIL-C-22992 respectively, as applicable, to function reliably under the most adverse conditions and to withstand severe abuse without malfunction or thread wear.

SPECIAL APPLICATION CONNECTORS:

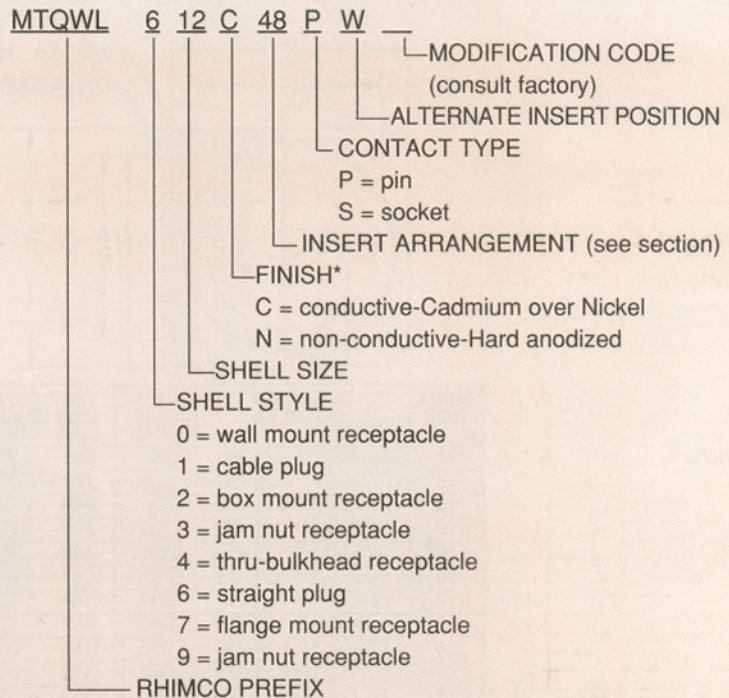
MTQWL connectors are also available in the following additional configurations:

- * Coaxial contacts
- * Hermetically sealed stainless steel housing
- * RFI/EMI protection
- * Thermocouple contacts
- * Fuel resistant rubber

(Consult factory for availability)

ORDERING INFORMATION

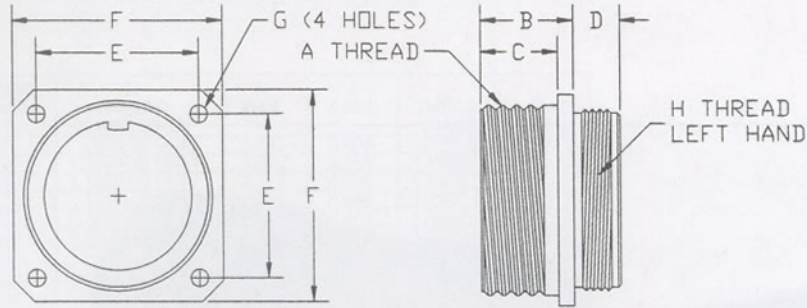
RHIMCO EXAMPLE PART NUMBER



* Other materials and finishes available. Consult factory for applicable modification codes.

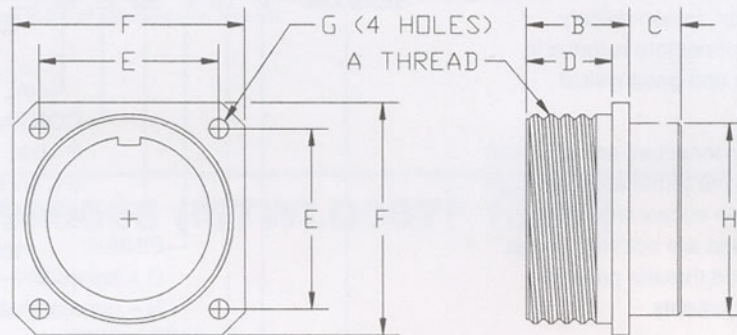
MTQWL CONNECTORS

MTQWL 0 10/48 Wall Mount Receptacle



SHELL SIZE	A THREAD CLASS 2A	B ±.015	C ±.010	D +.016 - .000	E ±.005	F ±.020	G DIA. +.004 - .002	H THREAD CLASS 2A-LH
10	.6250-0.05P-0.1L-DS	.704	.400	.562	.719	1.000	.150	.5000-28 UNEF
12	.7500-0.1P-0.2L-DS	.704	.400	.562	.812	1.094	.150	.6250-24 NEF
13	.7500-0.1P-0.2L-DS	.891	.588	.750	.812	1.094	.150	.6250-24 NEF
14	.8750-0.1P-0.2L-DS	.704	.400	.562	.906	1.188	.150	.7500-20 UNEF
15	.8750-0.1P-0.2L-DS	.891	.588	.750	.906	1.188	.150	.7500-20 UNEF
16	1.0000-0.1P-0.2L-DS	.704	.400	.562	.969	1.281	.150	.8750-20 UNEF
17	1.0000-0.1P-0.2L-DS	.891	.588	.750	.969	1.281	.150	.8750-20 UNEF
18	1.1250-0.1P-0.2L-DS	.906	.573	.750	1.062	1.375	.177	1.0000-20 UNEF
20	1.2500-0.1P-0.2L-DS	.906	.573	.750	1.156	1.500	.177	1.1250-18 NEF
22	1.3750-0.1P-0.2L-DS	.906	.573	.750	1.250	1.625	.177	1.2500-18 NEF
24	1.5000-0.1P-0.2L-DS	.968	.573	.812	1.375	1.750	.177	1.3750-18 NEF
28	1.7500-0.1P-0.2L-DS	.968	.573	.812	1.562	2.000	.177	1.6250-18 NEF
32	2.0000-0.1P-0.2L-DS	1.031	.573	.875	1.750	2.250	.209	1.8750-16 N
36	2.2500-0.1P-0.2L-DS	1.031	.573	.875	1.938	2.500	.209	2.0625-16 N
40	2.5000-0.1P-0.2L-DS	1.031	.573	.875	2.188	2.750	.209	2.3125-16 N
44	2.7500-0.1P-0.2L-DS	1.031	.573	.875	2.375	3.000	.209	2.6250-16 N
48	3.0000-0.1P-0.2L-DS	1.031	.573	.875	2.625	3.250	.209	2.8750-16 N

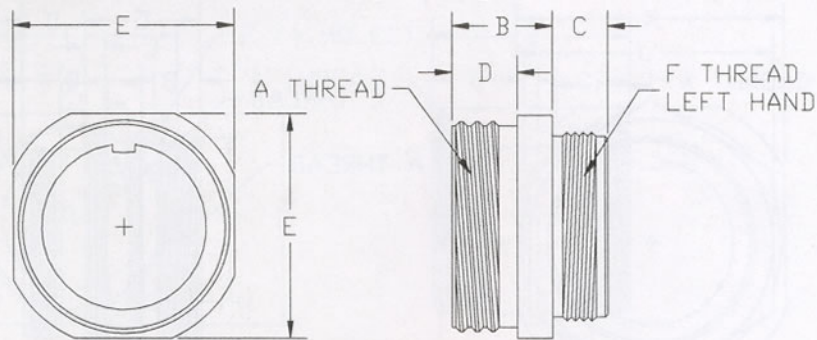
MTQWL 2 10/48 Box Mount Receptacle



SHELL SIZE	A THREAD CLASS 2A	B +.026 - .010	C +.020 - .036	D +.016 - .000	E ±.005	F ±.020	G DIA. +.004 - .002	H DIA. ±.010
10	.6250-0.05P-0.1L-DS	.703	.281	.562	.719	1.000	.150	.469
12	.7500-0.1P-0.2L-DS	.703	.281	.562	.812	1.094	.150	.594
13	.7500-0.1P-0.2L-DS	.891	.468	.750	.812	1.094	.150	.594
14	.8750-0.1P-0.2L-DS	.703	.281	.562	.906	1.188	.150	.719
15	.8750-0.1P-0.2L-DS	.891	.468	.750	.906	1.188	.150	.719
16	1.0000-0.1P-0.2L-DS	.703	.281	.562	.969	1.281	.150	.844
17	1.0000-0.1P-0.2L-DS	.891	.468	.750	.969	1.281	.150	.844
18	1.1250-0.1P-0.2L-DS	.906	.453	.750	1.062	1.375	.177	.969
20	1.2500-0.1P-0.2L-DS	.906	.453	.750	1.156	1.500	.177	1.125
22	1.3750-0.1P-0.2L-DS	.906	.453	.750	1.250	1.625	.177	1.250
24	1.5000-0.1P-0.2L-DS	1.000	.359	.812	1.375	1.750	.177	1.375
28	1.7500-0.1P-0.2L-DS	1.000	.359	.812	1.562	2.000	.177	1.594
32	2.0000-0.1P-0.2L-DS	1.063	.296	.875	1.750	2.250	.209	1.844
36	2.2500-0.1P-0.2L-DS	1.063	.296	.875	1.938	2.500	.209	2.031
40	2.5000-0.1P-0.2L-DS	1.063	.296	.875	2.188	2.750	.209	2.281
44	2.7500-0.1P-0.2L-DS	1.063	.546	.875	2.375	3.000	.209	2.562
48	3.0000-0.1P-0.2L-DS	1.063	.546	.875	2.625	3.250	.209	2.812

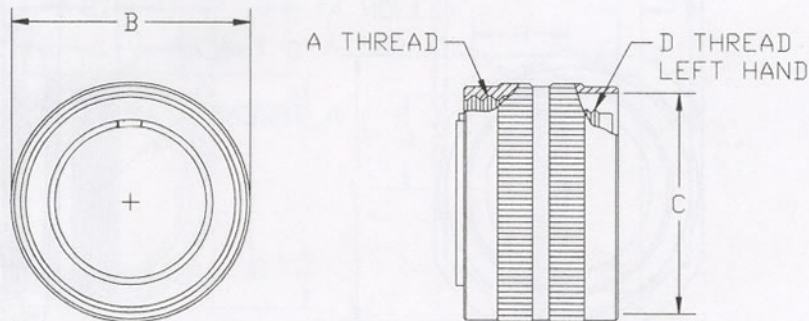
MTQWL CONNECTORS

MTQWL 1 10/48 (Cable Connecting) Plug



SHELL SIZE	A THREAD CLASS 2A	B ±.010	C ±.015	D +.016 -.000	E ±.020	F THREAD CLASS 2A-LH
10	.6250-0.05P-0.1L-DS	.704	.400	.453	.750	.5000-28 UNEF
12	.7500-0.1P-0.2L-DS	.704	.400	.453	.875	.6250-24 NEF
13	.7500-0.1P-0.2L-DS	.891	.588	.641	.875	.6250-24 NEF
14	.8750-0.1P-0.2L-DS	.704	.400	.453	1.000	.7500-20 UNEF
15	.8750-0.1P-0.2L-DS	.891	.588	.641	1.000	.7500-20 UNEF
16	1.0000-0.1P-0.2L-DS	.704	.400	.453	1.094	.8750-20 UNEF
17	1.0000-0.1P-0.2L-DS	.891	.588	.641	1.094	.8750-20 UNEF
18	1.1250-0.1P-0.2L-DS	.906	.573	.656	1.281	1.0000-20 UNEF
20	1.2500-0.1P-0.2L-DS	.906	.573	.656	1.375	1.1250-18 NEF
22	1.3750-0.1P-0.2L-DS	.906	.573	.656	1.500	1.2500-18 NEF
24	1.5000-0.1P-0.2L-DS	.968	.573	.719	1.625	1.3750-18 NEF
28	1.7500-0.1P-0.2L-DS	.968	.573	.719	1.875	1.6250-18 NEF
32	2.0000-0.1P-0.2L-DS	1.031	.573	.656	2.125	1.8750-16 N
36	2.2500-0.1P-0.2L-DS	1.031	.573	.656	2.375	2.0625-16 N
40	2.5000-0.1P-0.2L-DS	1.031	.573	.656	2.625	2.3125-16 N
44	2.7500-0.1P-0.2L-DS	1.031	.573	.656	2.875	2.6250-16 N
48	3.0000-0.1P-0.2L-DS	1.031	.573	.656	3.125	2.8750-16 N

MTQWL 6 10/48 Straight Plug

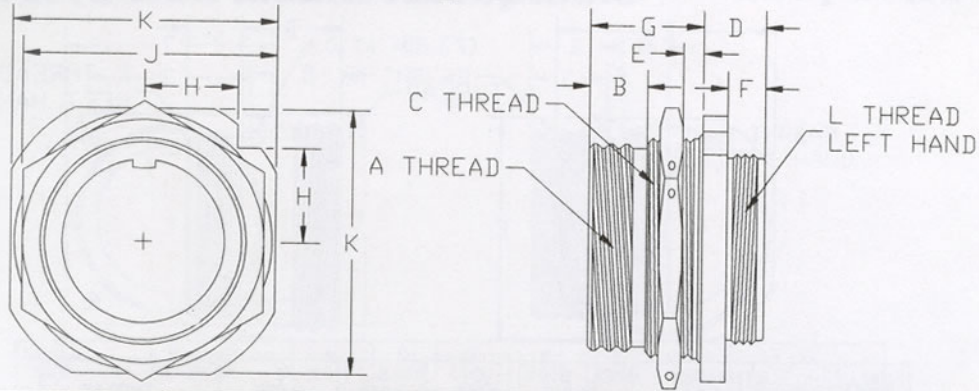


SHELL SIZE	A THREAD CLASS 2B	B DIA. MAX.	C DIA. +.010 -.000	D THREAD CLASS 2A-LH
10	.6250-0.05P-0.1L-DS	.882	.735	.5000-28 UNEF
12	.7500-0.1P-0.2L-DS	1.010	.859	.6250-24 NEF
13	.7500-0.1P-0.2L-DS	1.010	.859	.6250-24 NEF
14	.8750-0.1P-0.2L-DS	1.137	.985	.7500-20 UNEF
15	.8750-0.1P-0.2L-DS	1.137	.985	.7500-20 UNEF
16	1.0000-0.1P-0.2L-DS	1.264	1.109	.8750-20 UNEF
17	1.0000-0.1P-0.2L-DS	1.264	1.109	.8750-20 UNEF
18	1.1250-0.1P-0.2L-DS	1.455	1.235	1.0000-20 UNEF
20	1.2500-0.1P-0.2L-DS	1.551	1.359	1.1250-18 NEF
22	1.3750-0.1P-0.2L-DS	1.678	1.485	1.2500-18 NEF
24	1.5000-0.1P-0.2L-DS	1.806	1.609	1.3750-18 NEF
28	1.7500-0.1P-0.2L-DS	2.060	1.859	1.6250-18 NEF
32	2.0000-0.1P-0.2L-DS	2.315	2.109	1.8750-16 N
36	2.2500-0.1P-0.2L-DS	2.569	2.359	2.0625-16 N
40	2.5000-0.1P-0.2L-DS	2.824	2.609	2.3125-16 N
44	2.7500-0.1P-0.2L-DS	3.142	2.922	2.6250-16 N
48	3.0000-0.1P-0.2L-DS	3.381	3.172	2.8750-16 N

MTQWL CONNECTORS

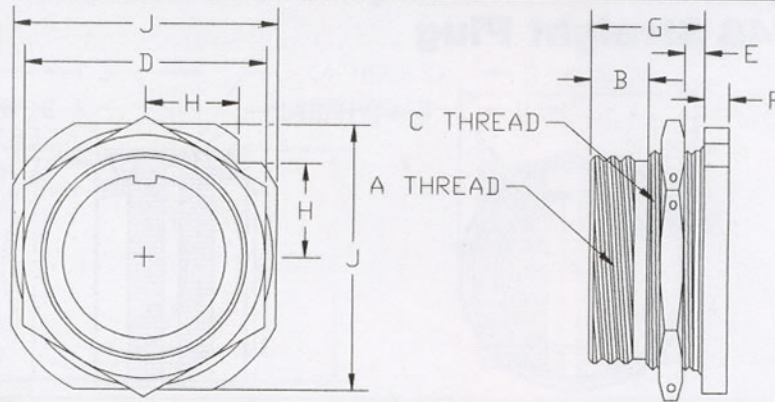
MTQWL 3 10/48 Jam Nut Receptacle

RHIMCO
INDUSTRIES, INC.



SHELL SIZE	A THREAD CLASS 2A	B ±.010	C THREAD CLASS 2A	D ±.015	E		F ±.010	G ±.010	H ±.010	J HEX ±.016	K ±.010	L THREAD CLASS 2A-LH
					MAX.	MIN.						
10	.6250-0.05P-0.1L-DS	.385	.6875-24NEF	.469	.227	.094	.344	.844	.375	.875	1.062	.500-28UNEF
12	.7500-0.1P-0.2L-DS	.385	.8750-20UNEF	.469	.200	.094	.344	.906	.442	1.062	1.250	.625-24UNEF
13	.7500-0.1P-0.2L-DS	.585	.8750-20UNEF	.641	.188	.094	.516	1.094	.442	1.062	1.250	.625-24UNEF
14	.8750-0.1P-0.2L-DS	.385	1.0000-20UNEF	.469	.200	.094	.344	.906	.486	1.250	1.376	.750-20UNEF
15	.8750-0.1P-0.2L-DS	.585	1.0000-20UNEF	.641	.188	.094	.516	1.094	.486	1.250	1.376	.750-20UNEF
16	1.0000-0.1P-0.2L-DS	.385	1.1250-18NEF	.469	.200	.094	.344	.906	.530	1.312	1.500	.875-20UNEF
17	1.0000-0.1P-0.2L-DS	.585	1.1250-18NEF	.641	.188	.094	.516	1.094	.530	1.312	1.500	.875-20UNEF
18	1.1250-0.1P-0.2L-DS	.585	1.2500-18NEF	.704	.203	.094	.516	1.109	.623	1.500	1.750	1.000-20UNEF
20	1.2500-0.1P-0.2L-DS	.585	1.3750-18NEF	.704	.203	.094	.516	1.109	.663	1.562	1.875	1.125-18NEF
22	1.3750-0.1P-0.2L-DS	.585	1.5000-18NEF	.704	.203	.094	.516	1.109	.707	1.750	2.000	1.125-18NEF
24	1.5000-0.1P-0.2L-DS	.585	1.6250-18NEF	.704	.265	.094	.516	1.172	.751	1.875	2.125	1.375-18NEF
28	1.7500-0.1P-0.2L-DS	.585	1.8750-16N	.704	.265	.094	.516	1.172	.840	2.125	2.375	1.625-18NEF
32	2.0000-0.1P-0.2L-DS	.585	2.1250-16N	.735	.203	.094	.516	1.172	.928	2.375	2.625	1.875-16N
36	2.2500-0.1P-0.2L-DS	.585	2.3750-16N	.735	.203	.094	.516	1.172	1.017	2.625	2.875	2.062-16N
40	2.5000-0.1P-0.2L-DS	.585	2.6250-16N	.735	.203	.094	.516	1.172	1.104	2.875	3.125	2.312-16N
44	2.7500-0.1P-0.2L-DS	.585	2.8750-16N	.735	.203	.094	.516	1.172	1.213	3.125	3.406	2.625-16N
48	3.0000-0.1P-0.2L-DS	.585	3.1250-16N	.735	.203	.094	.516	1.172	1.299	3.375	3.656	2.875-16N

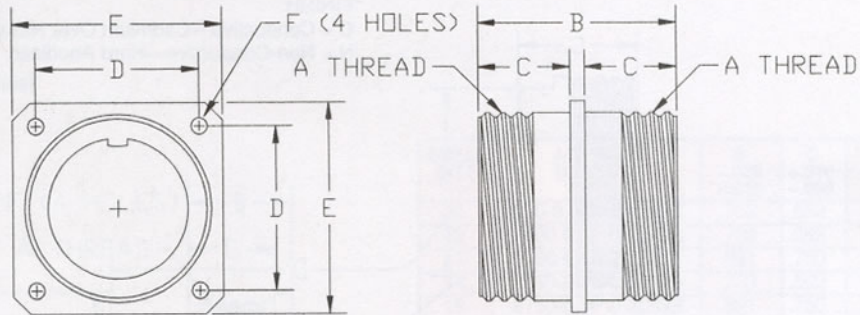
MTQWL 9 10/48 Jam Nut Receptacle



SHELL SIZE	A THREAD CLASS 2A	B ±.010	C THREAD CLASS 2A	D HEX ±.016	E		F ±.005	G ±.010	H ±.010	J ±.010
					MAX.	MIN.				
10	.6250-0.05P-0.1L-DS	.385	.6875-24NEF	.875	.227	.094	.125	.844	.375	1.062
12	.7500-0.1P-0.2L-DS	.385	.8750-20UNEF	1.062	.200	.094	.125	.906	.442	1.250
13	.7500-0.1P-0.2L-DS	.585	.8750-20UNEF	1.062	.282	.094	.125	1.188	.442	1.250
14	.8750-0.1P-0.2L-DS	.385	1.0000-20UNEF	1.250	.200	.094	.125	.906	.486	1.376
15	.8750-0.1P-0.2L-DS	.585	1.0000-20UNEF	1.250	.282	.094	.125	1.188	.486	1.376
16	1.0000-0.1P-0.2L-DS	.385	1.1250-18NEF	1.312	.200	.094	.125	.906	.530	1.500
17	1.0000-0.1P-0.2L-DS	.585	1.1250-18NEF	1.312	.282	.094	.125	1.188	.530	1.500
18	1.1250-0.1P-0.2L-DS	.585	1.2500-18NEF	1.500	.250	.094	.188	1.156	.623	1.750
20	1.2500-0.1P-0.2L-DS	.585	1.3750-18NEF	1.562	.250	.094	.188	1.156	.663	1.875
22	1.3750-0.1P-0.2L-DS	.585	1.5000-18NEF	1.750	.250	.094	.188	1.156	.707	2.000
24	1.5000-0.1P-0.2L-DS	.585	1.6250-18NEF	1.875	.312	.094	.188	1.219	.751	2.125
28	1.7500-0.1P-0.2L-DS	.585	1.8750-16N	2.125	.312	.094	.188	1.219	.840	2.375
32	2.0000-0.1P-0.2L-DS	.585	2.1250-16N	2.375	.281	.094	.219	1.250	.928	2.625
36	2.2500-0.1P-0.2L-DS	.585	2.3750-16N	2.625	.281	.094	.219	1.250	1.017	2.875
40	2.5000-0.1P-0.2L-DS	.585	2.6250-16N	2.875	.281	.094	.219	1.250	1.104	3.125
44	2.7500-0.1P-0.2L-DS	.585	2.8750-16N	3.125	.422	.094	.219	1.390	1.213	3.406
48	3.0000-0.1P-0.2L-DS	.585	3.1250-16N	3.375	.422	.094	.219	1.390	1.299	3.656

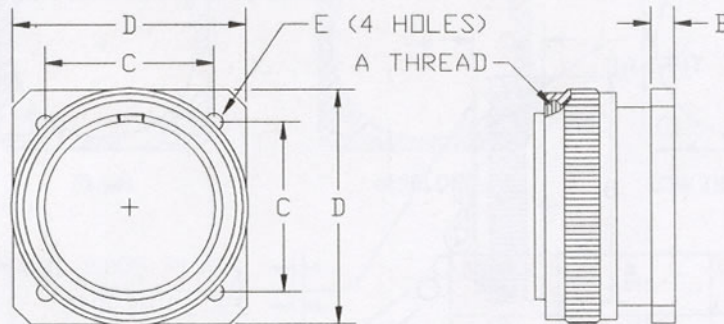
MTQWL CONNECTORS

MTQWL 4 10/48 Thru Bulkhead Receptacle



SHELL SIZE	A THREAD CLASS 2A	B ±.015	C +.000 - .010	D ±.005	E ±.020	F DIA. +.004 - .002
10	.6250-0.05P-0.1L-DS	1.563	.711	.719	1.000	.120
12	.7500-0.1P-0.2L-DS	1.563	.711	.812	1.094	.120
13	.7500-0.1P-0.2L-DS	2.125	.985	.812	1.094	.120
14	.8750-0.1P-0.2L-DS	1.563	.711	.906	1.188	.120
15	.8750-0.1P-0.2L-DS	2.125	.985	.906	1.188	.120
16	1.0000-0.1P-0.2L-DS	1.563	.711	.969	1.281	.120
17	1.0000-0.1P-0.2L-DS	2.125	.985	.969	1.281	.120
18	1.1250-0.1P-0.2L-DS	2.125	.985	1.062	1.375	.120
20	1.2500-0.1P-0.2L-DS	2.125	.985	1.156	1.500	.120
22	1.3750-0.1P-0.2L-DS	2.125	.985	1.250	1.625	.120
24	1.5000-0.1P-0.2L-DS	2.125	.985	1.375	1.750	.147
28	1.7500-0.1P-0.2L-DS	2.125	.985	1.562	2.000	.147
32	2.0000-0.1P-0.2L-DS	2.125	.985	1.750	2.250	.173
36	2.2500-0.1P-0.2L-DS	2.125	.985	1.938	2.500	.173
40	2.5000-0.1P-0.2L-DS	2.125	.985	2.188	2.750	.173
44	2.7500-0.1P-0.2L-DS	2.234	1.034	2.375	3.000	.173
48	3.0000-0.1P-0.2L-DS	2.234	1.034	2.625	3.250	.173

MTQWL 7 10/48 Flange Mount Plug

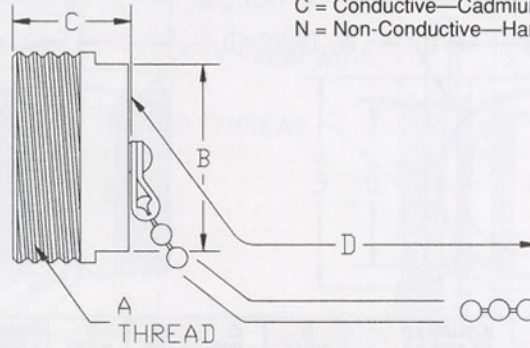


SHELL SIZE	A THREAD CLASS 2B	B ±.005	C ±.005	D ±.020	E THREAD
10	.6250-0.05P-0.1L-DS	.125	.562	.781	4-40NC
12	.7500-0.1P-0.2L-DS	.156	.812	1.062	4-40NC
13	.7500-0.1P-0.2L-DS	.156	.812	1.062	4-40NC
14	.8750-0.1P-0.2L-DS	.156	.812	1.062	4-40NC
15	.8750-0.1P-0.2L-DS	.156	.812	1.062	4-40NC
16	1.0000-0.1P-0.2L-DS	.156	1.000	1.312	6-32NC
17	1.0000-0.1P-0.2L-DS	.156	1.000	1.312	6-32NC
18	1.1250-0.1P-0.2L-DS	.156	1.000	1.312	6-32NC
20	1.2500-0.1P-0.2L-DS	.188	1.250	1.625	10-32NF
22	1.3750-0.1P-0.2L-DS	.188	1.250	1.625	10-32NF
24	1.5000-0.1P-0.2L-DS	.188	1.562	2.000	10-32NF
28	1.7500-0.1P-0.2L-DS	.188	1.562	2.000	10-32NF
32	2.0000-0.1P-0.2L-DS	.250	1.812	2.500	10-32NF
36	2.2500-0.1P-0.2L-DS	.250	1.812	2.500	10-32NF
40	2.5000-0.1P-0.2L-DS	.250	2.250	3.031	10-32NF
44	2.7500-0.1P-0.2L-DS	.250	2.375	3.156	10-32NF
48	3.0000-0.1P-0.2L-DS	.250	2.625	3.406	10-32NF

MTQWL ACCESSORIES

MTQWL046*10/48 Plug Protection Cap

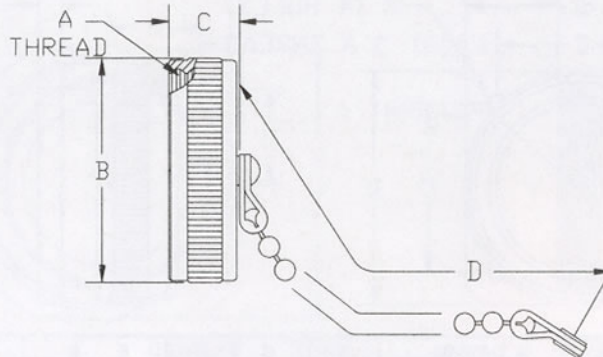
*FINISH:
C = Conductive—Cadmium Over Nickel
N = Non-Conductive—Hard Anodized



SHELL SIZE	A THREAD	B FLAT +.000 -.010	C +.010 -.000	D APPROX.
10	.6250-0.05P-0.1L-DS	.500	1.031	3.375
12	.7500-0.1P-0.2L-DS	.625	1.219	3.875
14	.8750-0.1P-0.2L-DS	.750	1.219	3.875
16	1.0000-0.1P-0.2L-DS	.875	1.219	3.875
18	1.1250-0.1P-0.2L-DS	1.000	1.219	4.000
20	1.2500-0.1P-0.2L-DS	1.062	1.219	4.500
22	1.3750-0.1P-0.2L-DS	1.125	1.219	4.500
24	1.5000-0.1P-0.2L-DS	1.250	1.219	5.000
28	1.7500-0.1P-0.2L-DS	1.500	1.219	5.000
32	2.0000-0.1P-0.2L-DS	1.750	1.219	5.500
36	2.2500-0.1P-0.2L-DS	2.000	1.219	5.500
40	2.5000-0.1P-0.2L-DS	2.250	1.219	5.500
44	2.7500-0.1P-0.2L-DS	2.500	1.219	6.000
48	3.0000-0.1P-0.2L-DS	2.750	1.219	6.000

MTQWL048*10/48 Receptacle Protection Cap

*FINISH:
C = Conductive—Cadmium Over Nickel
N = Non-Conductive—Hard Anodized

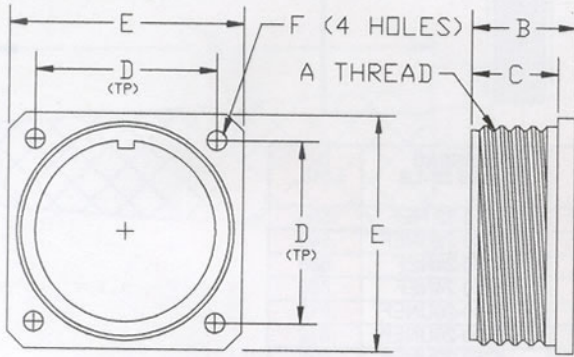


SHELL SIZE	A THREAD	B MAX.	C +.010 -.000	D APPROX.
10	.6250-0.05P-0.1L-DS	.819	.520	3.000
12	.7500-0.1P-0.2L-DS	.946	.520	3.500
14	.8750-0.1P-0.2L-DS	1.073	.520	3.500
16	1.0000-0.1P-0.2L-DS	1.201	.520	3.500
18	1.1250-0.1P-0.2L-DS	1.328	.754	3.500
20	1.2500-0.1P-0.2L-DS	1.455	.754	4.000
22	1.3750-0.1P-0.2L-DS	1.551	.754	4.000
24	1.5000-0.1P-0.2L-DS	1.678	.754	4.500
28	1.7500-0.1P-0.2L-DS	1.933	.754	4.500
32	2.0000-0.1P-0.2L-DS	2.188	.754	5.000
36	2.2500-0.1P-0.2L-DS	2.442	.754	5.000
40	2.5000-0.1P-0.2L-DS	2.696	.754	5.000
44	2.7500-0.1P-0.2L-DS	2.951	.754	6.000
48	3.0000-0.1P-0.2L-DS	3.205	.754	6.000

MTQWL ACCESSORIES

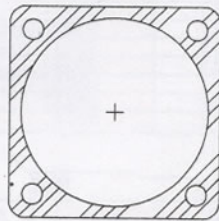
MTQWL92845*10/48 Dummy Receptacle

*FINISH:
C = Conductive—Cadmium Over Nickel
N = Non-Conductive—Hard Anodized
(Consult factory for other available finishes)

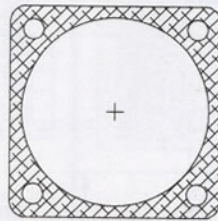


SHELL SIZE	A THREAD CLASS 2A	B +.026 -0.10	C +.016 -0.000	D (TP)	E +.021 -0.020	F DIA. ±.005
10	.6250-0.05P-0.1L-DS	.703	.562	.719	1.000	.150
12	.7500-0.1P-0.2L-DS	.703	.562	.812	1.094	.150
13	.7500-0.1P-0.2L-DS	.891	.750	.812	1.094	.150
14	.8750-0.1P-0.2L-DS	.703	.562	.906	1.188	.150
15	.8750-0.1P-0.2L-DS	.891	.750	.906	1.188	.150
16	1.0000-0.1P-0.2L-DS	.703	.562	.969	1.281	.150
17	1.0000-0.1P-0.2L-DS	.891	.750	.969	1.281	.150
18	1.1250-0.1P-0.2L-DS	.906	.750	1.062	1.375	.177
20	1.2500-0.1P-0.2L-DS	.906	.750	1.156	1.500	.177
22	1.3750-0.1P-0.2L-DS	.906	.750	1.250	1.625	.177
24	1.5000-0.1P-0.2L-DS	1.000	.812	1.375	1.750	.177
28	1.7500-0.1P-0.2L-DS	1.000	.812	1.562	2.000	.177
32	2.0000-0.1P-0.2L-DS	1.063	.875	1.750	2.250	.209
36	2.2500-0.1P-0.2L-DS	1.063	.875	1.938	2.500	.209
40	2.5000-0.1P-0.2L-DS	1.063	.875	2.188	2.750	.209
44	2.7500-0.1P-0.2L-DS	1.063	.875	2.375	3.000	.209
48	3.0000-0.1P-0.2L-DS	1.063	.875	2.625	3.250	.209

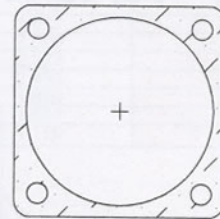
MTMS0450—10/48 Plain
MTMS0450—10S/48S Shielded△
MTMS6675—10/48 Low Temperature



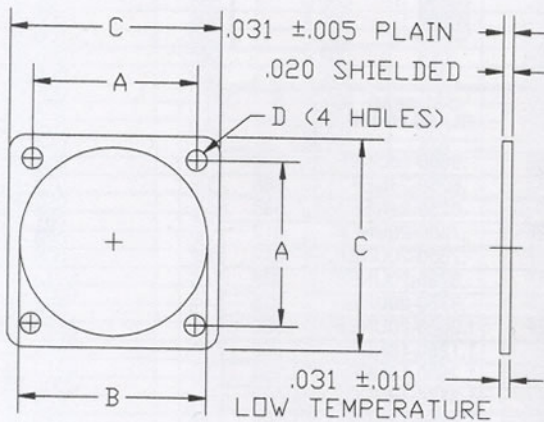
PLAIN



SHIELDED



LOW TEMPERATURE



△SHELL SIZE	A ±.010	B +.016 -0.000	C +.016 -0.000	D ±.010
10	.719	.625	1.000	.172
12	.813	.750	1.094	.172
14	.906	.875	1.188	.172
16	.969	1.000	1.281	.172
18	1.063	1.125	1.375	.203
20	1.156	1.250	1.500	.203
22	1.250	1.375	1.625	.203
24	1.375	1.500	1.750	.203
28	1.563	1.750	2.000	.203
32	1.750	2.000	2.250	.219
36	1.938	2.188	2.500	.219
40	2.188	2.437	2.750	.219
44	2.375	2.718	3.000	.219
48	2.635	2.968	3.250	.219

△Add "S" to end of part number for shielded.

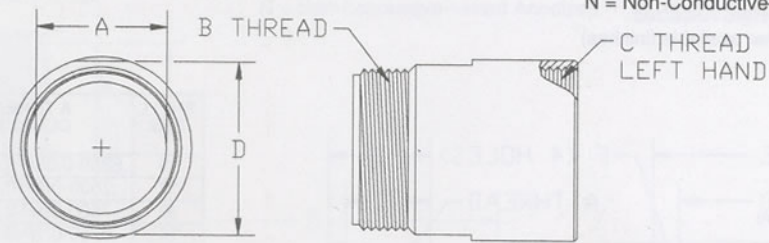
MTQWL Accessories

MTQWL138* 08/48 Adapter for MS3057B Clamp

RHIMCO
INDUSTRIES, INC.

*FINISH:

C = Conductive—Cadmium Over Nickel
N = Non-Conductive—Hard Anodized

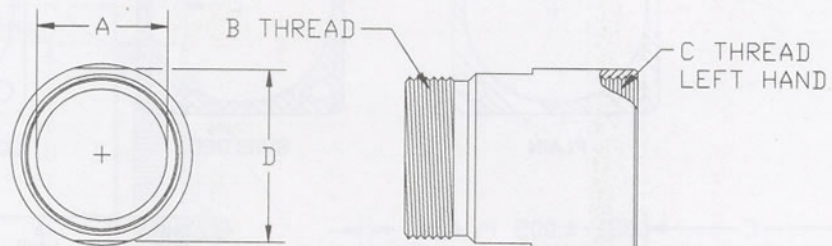


SHELL SIZE	A DIA. +.000 -.010	B THREAD CLASS 2A	C THREAD CLASS 2B-LH	D ±.010
8	.250	.5000-28UNEF	.3750-32 NEF	.500
10	.266	.5000-28UNEF	.5000-28UNEF	.562
12	.386	.6250-24NEF	.6250-24NEF	.688
13	.386	.6250-24NEF	.6250-24NEF	.688
14	.500	.7500-20UNEF	.7500-20UNEF	.812
15	.500	.7500-20UNEF	.7500-20UNEF	.812
16	.625	.8750-20UNEF	.8750-20UNEF	.938
17	.625	.8750-20UNEF	.8750-20UNEF	.938
18	.752	1.0000-20UNEF	1.0000-20UNEF	1.062
20	.891	1.1875-18NEF	1.1250-18NEF	1.250
22	.891	1.1875-18NEF	1.2500-18NEF	1.250
24	1.111	1.4375-18NEF	1.3750-18NEF	1.500
28	1.111	1.4375-18NEF	1.6250-18NEF	1.500
32	1.422	1.7500-18NS	1.8750-16N	1.875
36	1.672	2.0000-18NS	2.0625-16N	2.125
40	1.914	2.2500-16UN	2.3125-16N	2.375
44	2.142	2.5000-16UN	2.6250-16N	2.625
48	2.642	3.0000-16UN	2.8750-16N	2.750

MTQWL196* 10/48 Adapter

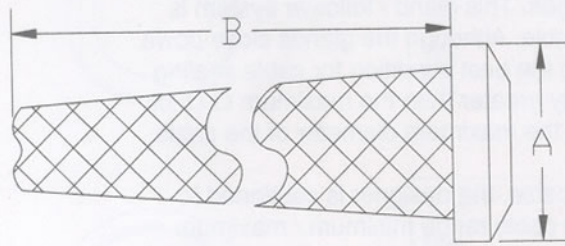
*FINISH:

C = Conductive—Cadmium Over Nickel
N = Non-Conductive—Hard Anodized



SHELL SIZE	A +.010 -.000	B THREAD CLASS 2A	C THREAD CLASS 2B-LH	D ±.010
10	.203	.5000-28UNEF	.5000-28UNEF	.562
12	.328	.6250-24NEF	.6250-24NEF	.688
13	.328	.6250-24NEF	.6250-24NEF	.688
14	.453	.7500-20UNEF	.7500-20UNEF	.812
15	.453	.7500-20UNEF	.7500-20UNEF	.812
16	.578	.8750-20UNEF	.8750-20UNEF	.938
17	.578	.8750-20UNEF	.8750-20UNEF	.938
18	.676	1.0000-20UNEF	1.0000-20UNEF	1.062
20	.801	1.1875-18NEF	1.1250-18NEF	1.250
22	.906	1.1875-18NEF	1.2500-18NEF	1.250
24	1.016	1.4375-18NEF	1.3750-18NEF	1.500
28	1.130	1.4375-18NEF	1.6250-18NEF	1.500
32	1.439	1.7500-18NS	1.8750-16N	1.875
36	1.678	2.0000-18NS	2.0625-16N	2.125
40	1.914	2.2500-16UN	2.3125-16N	2.375
44	2.142	2.5000-16UN	2.6250-16N	2.625
48	2.642	3.0000-16UN	2.8750-16N	2.750

MS90561 (MTQWL308) Cable Gripping (Woven)



MILITARY APPROVED

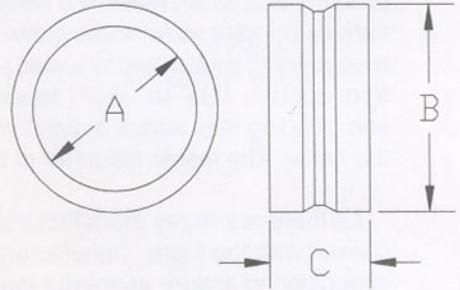
MS PART NUMBER	A DIA. +.000 -.010	B APPROX.	CABLE RANGE	
			MAX.	MIN.
MS90561-1	1.797	8.000	.969	.832
MS90561-2	1.797	8.000	1.145	1.003
MS90561-3	1.797	9.000	1.260	1.055
MS90561-4	1.797	7.500	.844	.688
MS90561-5	2.235	11.500	1.312	1.156
MS90561-6	2.235	10.500	1.375	1.219
MS90561-7	2.672	15.000	2.062	1.867
MS90561-8	2.922	14.500	1.703	1.414
MS90561-9	2.922	14.500	1.797	1.508
MS90561-12	1.797	8.000	1.047	.891
MS90561-13	1.797	9.500	1.342	1.185
MS90561-14	2.235	10.500	1.438	1.282
MS90561-15	2.235	11.500	1.516	1.360
MS90561-16	2.235	13.500	1.688	1.531
MS90561-17	2.922	18.000	2.328	2.039
MS90561-18	2.922	19.000	2.500	2.211
MS90561-19	2.235	12.500	1.750	1.550
MS90561-20	2.235	12.000	1.578	1.375
MS90561-21	2.235	8.000	1.160	1.010

RHIMCO STANDARD PRODUCT

RHIMCO PART NUMBER	A DIA. (REF)	B APPROX.	CABLE RANGE	
			MAX.	MIN.
MTQWL308-12-220	.565	3.000	.220	.180
MTQWL308-14-337	.680	4.000	.337	.275
MTQWL308-14-281	.685	3.000	.281	.219
MTQWL308-16-500	.806	4.000	.500	.400
MTQWL308-18-605	.932	5.000	.605	.500
MTQWL308-18-520	.932	5.500	.520	.436
MTQWL308-18-405	.932	4.500	.405	.332
MTQWL308-20-700	1.049	5.500	.700	.560
MTQWL308-20-475	1.049	4.500	.475	.349
MTQWL308-20-520	1.049	5.000	.520	.420
MTQWL308-22-840	1.175	6.000	.840	.700
MTQWL308-22-580	1.175	5.000	.580	.450
MTQWL308-24-970	1.300	6.000	.970	.840
MTQWL308-24-920	1.300	5.000	.920	.790
MTQWL308-24-760	1.300	6.000	.760	.630
MTQWL308-24-620	1.300	5.000	.620	.510
MTQWL308-24-800	1.300	5.500	.800	.680
MTQWL308-28-1.100	1.551	6.500	1.100	.930
MTQWL308-28-1.000	1.551	6.500	1.000	.810
MTQWL308-28-880	1.551	6.500	.880	.740
MTQWL308-32-1.340	1.797	8.000	1.340	1.185
MTQWL308-32-1.241	1.792	6.500	1.241	1.055
MTQWL308-32-1.145	1.797	6.500	1.145	1.003
MTQWL308-32-1.000	1.792	6.500	1.000	.815
MTQWL308-32-832	1.792	5.500	.832	.680
MTQWL308-36-1.530	1.980	9.000	1.530	1.250
MTQWL308-36-1.445	1.980	8.500	1.445	1.225
MTQWL308-40-1.688	2.235	13.500	1.688	1.531
MTQWL308-40-1.516	2.235	8.500	1.516	1.360
MTQWL308-44-1.900	2.417	12.500	1.900	1.600
MTQWL308-44-1.904	2.417	11.000	1.904	1.804

CONSULT FACTORY FOR OTHER AVAILABLE SIZES.

MS23747 (MTQWL305) Cable Sealing Gland



MILITARY APPROVED

MS PART NUMBER	A DIA. +.020 -.000	B DIA. +.000 -.020	C
MS23747-2	1.130	1.805	1.034
MS23747-3	1.260	1.805	1.034
MS23747-4	.844	1.805	1.034
MS23747-5	1.312	2.242	1.160
MS23747-6	1.375	2.242	1.160
MS23747-7	1.703	2.927	1.284
MS23747-8	1.797	2.927	1.284
MS23747-9	CANCELLED—USE MS23747-18		
MS23747-12	1.047	1.805	1.034
MS23747-13	1.342	1.805	1.034
MS23747-14	1.438	2.242	1.160
MS23747-15	1.516	2.242	1.160
MS23747-16	1.672	2.242	1.160
MS23747-17	2.000	2.680	1.222
MS23747-18	2.328	2.927	1.284
MS23747-19	2.453	2.927	1.284
MS23747-20	1.850	2.242	1.160
MS23747-21	1.562	2.242	1.160
MS23747-22	1.150	2.242	1.160

RHIMCO STANDARD PRODUCT

RHIMCO PART NUMBER	A DIA.	B DIA.	C
MTQWL305-14-281	.281	.696	.615
MTQWL305-14-375	.375	.696	.615
MTQWL305-16-375	.375	.812	.690
MTQWL305-16-463	.463	.812	.690
MTQWL305-18-400	.400	.937	.725
MTQWL305-18-605	.605	.937	.725
MTQWL305-20-625	.625	1.060	.781
MTQWL305-20-699	.699	1.060	.750
MTQWL305-22-828	.828	1.185	.890
MTQWL305-24-750	.750	1.308	.905
MTQWL305-24-900	.900	1.308	.905
MTQWL305-28-880	.880	1.565	.950
MTQWL305-28-900	.900	1.565	.950
MTQWL305-28-1.000	1.000	1.565	.950
MTQWL305-28-1.101	1.101	1.565	.950
MTQWL305-32-1.000	1.000	1.795	1.034
MTQWL305-32-1.230	1.230	1.800	1.050
MTQWL305-32-1.250	1.250	1.800	1.062
MTQWL305-32-1.312	1.312	1.785	1.035
MTQWL305-36-1.000	1.000	1.990	1.063
MTQWL305-36-1.375	1.375	1.990	1.125
MTQWL305-40-1.562	1.562	2.230	1.150
MTQWL305-40-1.656	1.656	2.230	1.150
MTQWL305-40-1.730	1.730	2.400	1.230
MTQWL305-40-1.900	1.900	2.400	1.230
MTQWL305-48-2.125	2.125	2.675	1.308

CONSULT FACTORY FOR OTHER AVAILABLE SIZES.

MTQWL CABLE SEALING ADAPTERS

General Description/Ordering Information

RHIMCO
INDUSTRIES, INC.

The Rhimco MTQWL adapter series are designed with the problems associated with multi-conductor cables keeping the cable users in mind. Two of these problems, basically water-proofing and strain relief, are solved by the inward neoprene gland / follower system in the various adapter assemblies shown on the following pages. This gland / follower system is always used and provides water proofing around the cable. Although the glands close down from approx. .094" to .145" (depending upon shell size) the best condition for cable sealing and gripping is to select a gland with an I.D. only slightly greater than the maximum O.D. of the cable. The inside diameter of the gland determines the maximum diameter of the cable.

As there are many manufactures of multi-conductor cable, the designer is cautioned to consult with the cable manufacturer when selecting the cable range minimum / maximum dimension to assure adequate moisture / water sealing and strain relief for the system.

OVERVIEW OF TYPICAL TECHNICAL CAPABILITIES AS PROVEN BY TEST:

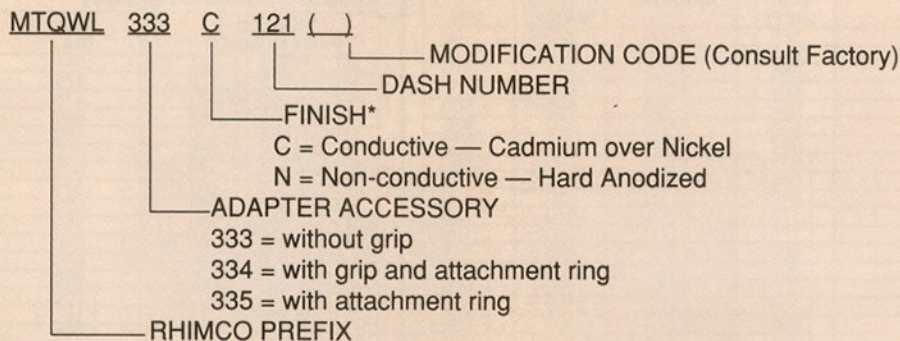
- * Temperature range -55°C to +85°C
- * Water Immersion — The sealing system of the adapters is so designed as to preclude the entrance of salt water (under pressure/cold/hot condition) between the connector and the cable/adapter assembly interface.
- * Mechanical Strength — Like Connector/Adapter assemblies have been fully tested to Vibration, Mil-Std-1344, test condition III, High Impact Shock per Mil-Std-202, method 207 and for Cable Pull Out, External Bending Moment, and Coupling Thread Strength all in compliance with the highest level (category 1) of Mil-C-85049.

SPECIAL APPLICATION ADAPTERS: MTQWL Adapters are also available in:

- * Various material including Stainless Steel, Nickel /Copper, etc. (consult factory)
- * with EMI protection
- * Fuel resistant rubber (consult factory for additional modifications and ordering information)

ORDERING INFORMATION

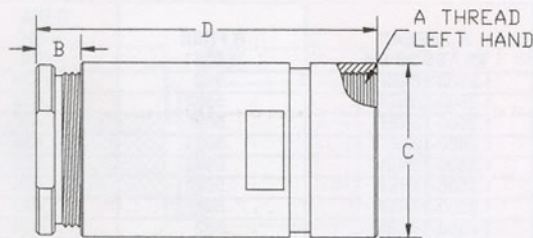
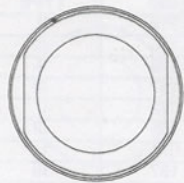
RHIMCO EXAMPLE PART NUMBER



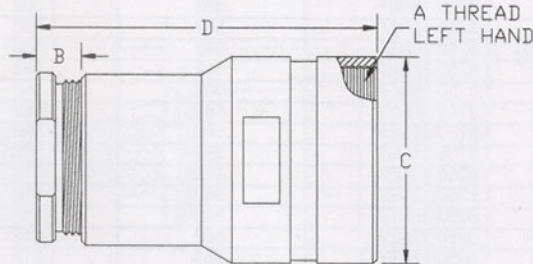
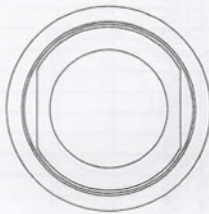
*Other materials and finishes available. Consult factory for applicable modification code.

MTQWL CABLE SEALING ADAPTERS

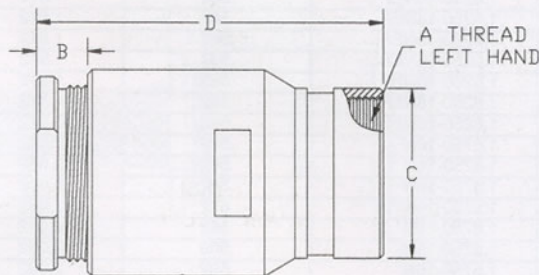
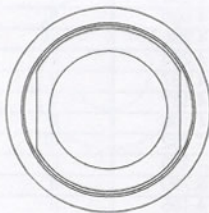
MTQWL333 Adapters (without grip)



TYPE I
STRAIGHT ADAPTER



TYPE II
STEP-DOWN ADAPTER



TYPE III
STEP-UP ADAPTER

DASH NO.	CABLE DIA		A THREAD CLASS 2B-LH	B FREE ±.035	C DIA. +.010 -.020	D ±.045	TYPE
	MAX.	MIN.					
-121	.281	.219	.6250-24NEF	.500	.812	2.750	III
-122	.500	.406	.6250-24NEF	.562	.812	3.750	III
-141	.337	.281	.7500-20UNEF	.500	.938	2.594	I
-142	.222	.160	.7500-20UNEF	.562	.938	2.532	II
-143	.281	.219	.7500-20UNEF	.500	.938	2.594	I
-144	.530	.441	.7500-20UNEF	.562	.938	3.594	III
-145	.463	.406	.7500-20UNEF	.500	.938	2.938	III
-146	.405	.316	.7500-20UNEF	.562	.938	3.594	III
-161	.463	.406	.8750-20UNEF	.500	1.062	2.656	I
-162	.589	.511	.8750-20UNEF	.562	1.062	3.156	III
-163	.625	.580	.8750-20UNEF	.562	1.062	3.807	III
-164	.405	.316	.8750-20UNEF	.562	1.062	3.156	III
-171	.589	.511	.8750-20UNEF	.562	1.062	3.667	III
-172	.438	.400	.8750-20UNEF	.500	1.062	3.199	I
-173	.625	.580	.8750-20UNEF	.562	1.062	3.979	III
-174	.530	.441	.8750-20UNEF	.562	1.062	3.667	III
-175	.405	.316	.8750-20UNEF	.562	1.062	3.667	III
-181	.589	.511	1.0000-20UNEF	.562	1.188	3.667	I
-182	.625	.580	1.0000-20UNEF	.562	1.188	3.979	III
-183	.530	.441	1.0000-20UNEF	.562	1.188	3.667	I
-184	.699	.605	1.0000-20UNEF	.562	1.188	3.979	III
-185	.405	.316	1.0000-20UNEF	.562	1.188	3.667	I
-186	.455	.361	1.0000-20UNEF	.562	1.188	3.979	III
-187	.750	.637	1.0000-20UNEF	.562	1.188	4.109	III
-201	.625	.580	1.1250-18NEF	.562	1.312	3.979	I
-202	.699	.605	1.1250-18NEF	.562	1.312	3.979	I
-203	.500	.406	1.1250-18NEF	.562	1.312	3.979	I
-204	.337	.281	1.1250-18NEF	.500	1.312	3.422	II
-205	.828	.715	1.1250-18NEF	.547	1.312	4.042	III
-206	.375	.312	1.1250-18NEF	.500	1.312	3.453	II
-207	.281	.219	1.1250-18NEF	.500	1.312	3.422	II
-208	.455	.361	1.1250-18NEF	.562	1.312	3.979	I
-209	.589	.511	1.1250-18NEF	.562	1.312	3.667	II
-210	.530	.441	1.1250-18NEF	.562	1.312	3.667	II

MTQWL CABLE SEALING ADAPTERS

MTQWL333 Adapters (without grip)

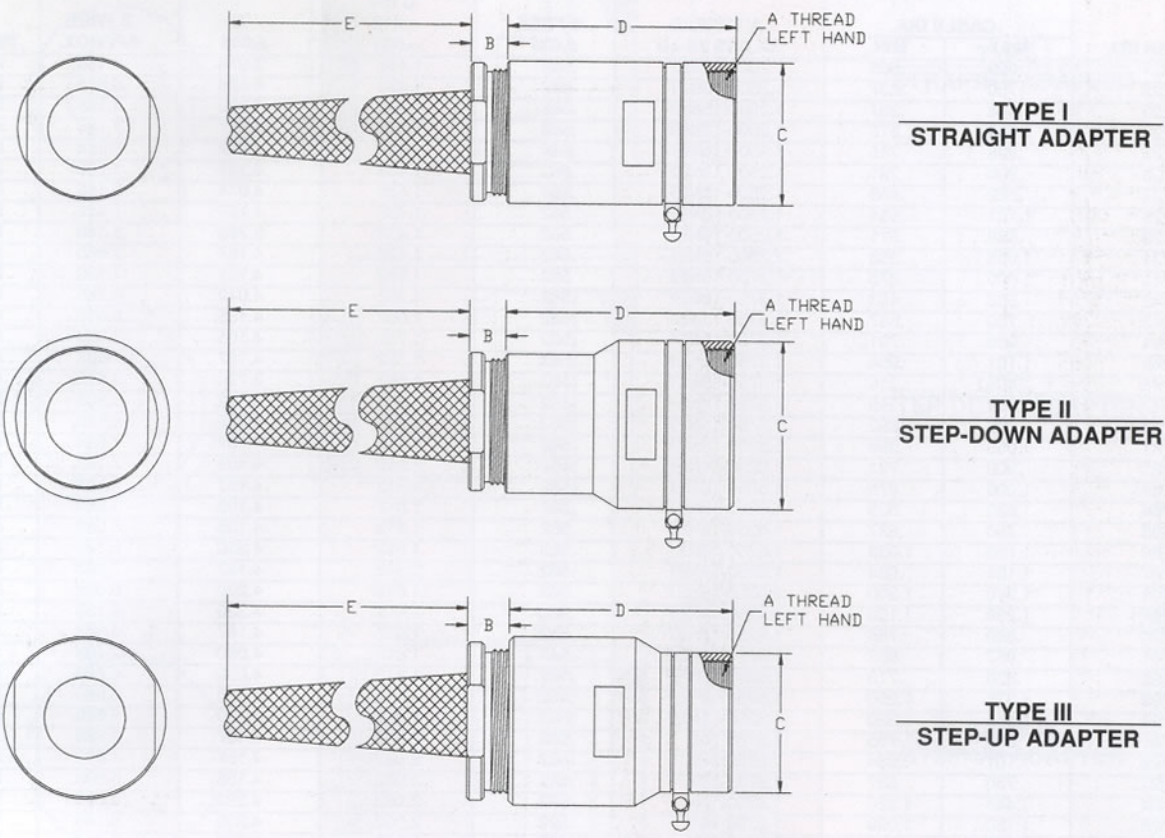
RHMCO
INDUSTRIES, INC.

DASH NO.	CABLE DIA.		A THREAD CLASS 2B-LH	B FREE ±.035	C DIA. +.010 -.020	D ±.045	TYPE
	MAX.	MIN.					
-221	.699	.605	1.2500-18NEF	.562	1.438	3.979	II
-222	.750	.637	1.2500-18NEF	.562	1.438	4.105	III
-223	.455	.367	1.2500-18NEF	.562	1.438	3.979	II
-224	1.000	.875	1.2500-18NEF	.562	1.438	4.167	III
-225	.828	.715	1.8500-18NEF	.594	1.438	4.072	I
-226	.900	.791	1.2500-18NEF	.562	1.438	4.105	III
-227	.562	.453	1.2500-18NEF	.594	1.438	4.074	I
-228	1.101	.984	1.2500-18NEF	.562	1.438	4.167	III
-229	.589	.511	1.2500-18NEF	.562	1.438	3.796	II
-231	1.055	.958	1.2500-18NEF	.562	1.438	4.167	III
-241	1.000	.875	1.3750-18NEF	.562	1.562	4.167	III
-242	.562	.453	1.3750-18NEF	.562	1.562	4.042	II
-243	.750	.637	1.3750-18NEF	.562	1.562	4.105	I
-244	.900	.791	1.3750-18NEF	.562	1.562	4.105	I
-245	1.101	.984	1.3750-18NEF	.562	1.562	4.167	III
-246	.405	.316	1.3750-18NEF	.562	1.562	3.796	II
-247	.828	.715	1.3750-18NEF	.562	1.562	4.042	II
-248	.805	.692	1.3750-18NEF	.562	1.562	4.105	I
-281	1.055	.958	1.6250-18NEF	.562	1.812	4.167	I
-282	.900	.791	1.6250-18NEF	.562	1.812	4.105	II
-283	1.000	.875	1.6250-18NEF	.562	1.812	4.167	I
-284	.630	.535	1.6250-18NEF	.562	1.812	4.105	II
-285	.750	.637	1.6250-18NEF	.562	1.812	4.105	II
-286	1.180	1.099	1.6250-18NEF	.562	1.812	4.230	III
-287	1.101	.984	1.6250-18NEF	.562	1.812	4.167	I
-288	1.310	1.200	1.6250-18NEF	.562	1.812	4.230	III
-289	1.230	1.105	1.6250-18NEF	.562	1.812	4.230	III
-290	.880	.755	1.6250-18NEF	.562	1.812	4.167	I
-291	.957	.857	1.6250-18NEF	.547	1.812	4.090	II
-292	.828	.715	1.6250-18NEF	.562	1.812	4.000	II
-293	1.375	1.250	1.6250-18NEF	.562	1.812	4.230	III
-294	1.445	1.320	1.6250-18NEF	.562	1.812	4.230	III
-321	.880	.755	1.8750-16N	.562	2.062	4.167	II
-322	1.101	.984	1.8750-16N	.562	2.062	4.167	II
-323	.750	.637	1.8750-16N	.562	2.062	4.105	II
-324	1.445	1.320	1.8750-16N	.672	2.062	4.292	III
-325	1.180	1.099	1.8750-16N	.562	2.062	4.230	I
-326	.875	.312	1.8750-16N	.500	2.062	3.750	II
-327	.957	.857	1.8750-16N	.562	2.062	4.105	II
-328	1.230	1.105	1.8750-16N	.562	2.062	4.230	I
-329	1.530	1.406	1.8750-16N	.562	2.062	4.292	III
-330	1.000	.875	1.8750-16N	.562	2.062	4.167	II
-331	1.375	1.250	1.8750-16N	.562	2.062	4.292	III
-332	1.310	1.200	1.8750-16N	.562	2.062	4.230	I
-361	1.055	.958	2.0625-16N	.562	2.312	4.167	II
-362	1.445	1.320	2.0625-16N	.562	2.312	4.292	I
-363	1.530	1.406	2.0625-16N	.562	2.312	4.292	I
-364	1.230	1.105	2.0625-16N	.562	2.312	4.230	II
-365	.750	.637	2.0625-16N	.562	2.312	4.105	II
-366	.880	.755	2.0625-16N	.562	2.312	4.167	II
-367	1.656	1.531	2.0625-16N	.562	2.312	4.354	III
-368	1.101	.984	2.0625-16N	.562	2.312	4.167	II
-369	.957	.857	2.0625-16N	.672	2.312	4.090	II
-370	1.900	1.775	2.0625-16N	.500	2.312	4.656	III
-371	.375	.312	2.0625-16N	.500	2.312	3.797	II
-372	1.825	1.700	2.0625-16N	.672	2.312	4.656	III
-373	1.375	1.250	2.0625-16N	.562	2.312	4.292	I
-374	1.562	1.437	2.0625-16N	.562	2.312	4.354	III
-375	1.730	1.605	2.0625-16N	.672	2.312	4.656	III
-401	1.310	1.200	2.3125-16N	.562	2.562	4.230	II
-402	1.656	1.531	2.3125-16N	.562	2.562	4.354	I
-403	1.101	.984	2.3125-16N	.438	2.562	4.167	II
-404	1.562	1.437	2.3125-16N	.562	2.562	4.354	I
-405	1.375	1.250	2.3125-16N	.562	2.562	4.292	II
-406	1.180	1.099	2.3125-16N	.562	2.562	4.230	II
-407	1.900	1.775	2.3125-16N	.672	2.562	4.625	III
-408	1.730	1.605	2.3125-16N	.672	2.562	4.625	III
-409	1.825	1.700	2.3125-16N	.672	2.562	4.625	III
-410	1.984	1.859	2.3125-16N	.672	2.562	4.625	III
-411	1.445	1.320	2.3125-16N	.562	2.562	4.292	II
-412	2.062	1.937	2.3125-16N	.672	2.562	4.656	III
-413	2.100	1.955	2.3125-16N	.672	2.562	4.656	III
-414	2.145	2.000	2.3125-16N	.672	2.562	4.656	III
-481	1.900	1.775	2.8750-16N	.562	3.125	4.547	II
-482	2.000	1.867	2.8750-16N	.672	3.125	5.625	II
-483	2.250	2.105	2.8750-16N	.672	3.125	5.750	I
-484	2.170	2.025	2.8750-16N	.672	3.125	5.750	I

MTQWL CABLE SEALING ADAPTERS

MTQWL334 Adapters

(with grip and attachment ring)



TYPE I
STRAIGHT ADAPTER

TYPE II
STEP-DOWN ADAPTER

TYPE III
STEP-UP ADAPTER

DASH NO.	CABLE DIA.		A THREAD CLASS 2B-LH	B FREE ±.035	C DIA. +.010 -.020	D ±.045	E FREE APPROX.	TYPE
	MAX.	MIN.						
-121	.281	.219	.6250-24NEF	.500	.812	2.750	2.844	III
-122	.500	.406	.6250-24NEF	.562	.812	3.750	4.688	III
-141	.337	.281	.7500-20UNEF	.500	.938	2.594	3.344	I
-142	.222	.160	.7500-20UNEF	.562	.938	2.532	2.406	II
-143	.281	.219	.7500-20UNEF	.500	.938	2.594	2.844	I
-144	.530	.441	.7500-20UNEF	.562	.938	3.594	4.688	III
-145	.463	.406	.7500-20UNEF	.500	.938	2.938	4.344	III
-146	.405	.316	.7500-20UNEF	.562	.938	3.594	3.688	III
-161	.463	.406	.8750-20UNEF	.500	1.062	2.656	4.344	I
-162	.589	.511	.8750-20UNEF	.562	1.062	3.156	5.188	III
-163	.625	.580	.8750-20UNEF	.562	1.062	3.807	6.188	III
-164	.405	.316	.8750-20UNEF	.562	1.062	3.156	3.688	III
-171	.589	.511	.8750-20UNEF	.562	1.062	3.667	5.188	III
-172	.438	.400	.8750-20UNEF	.500	1.062	3.199	4.344	I
-173	.625	.580	.8750-20UNEF	.562	1.062	3.979	6.188	III
-174	.530	.441	.8750-20UNEF	.562	1.062	3.667	4.688	III
-175	.405	.316	.8750-20UNEF	.562	1.062	3.667	3.688	III
-181	.589	.511	1.0000-20UNEF	.562	1.188	3.667	5.188	I
-182	.625	.580	1.0000-20UNEF	.562	1.188	3.979	6.188	III
-183	.530	.441	1.0000-20UNEF	.562	1.188	3.667	4.688	I
-184	.699	.605	1.0000-20UNEF	.562	1.188	3.979	6.188	III
-185	.405	.316	1.0000-20UNEF	.562	1.188	3.667	3.688	I
-186	.455	.361	1.0000-20UNEF	.562	1.188	3.979	4.188	III
-187	.750	.637	1.0000-20UNEF	.562	1.188	4.109	6.688	III
-201	.625	.580	1.1250-18NEF	.562	1.312	3.979	6.188	I
-202	.699	.605	1.1250-18NEF	.562	1.312	3.979	6.188	I
-203	.500	.406	1.1250-18NEF	.562	1.312	3.979	4.688	I
-204	.337	.281	1.1250-18NEF	.500	1.312	3.422	3.344	II
-205	.828	.715	1.1250-18NEF	.547	1.312	4.042	6.688	III
-206	.375	.312	1.1250-18NEF	.500	1.312	3.453	3.844	II
-207	.281	.219	1.1250-18NEF	.500	1.312	3.422	2.844	II
-208	.455	.361	1.1250-18NEF	.562	1.312	3.979	4.188	I
-209	.589	.511	1.1250-18NEF	.562	1.312	3.667	5.188	II
-210	.530	.441	1.1250-18NEF	.562	1.312	3.667	4.688	II

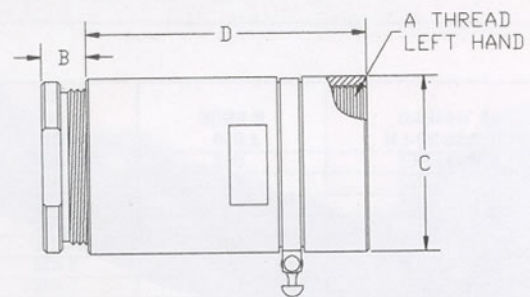
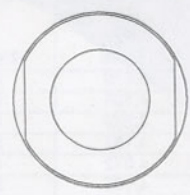
MTQWL CABLE SEALING ADAPTERS

MTQWL334 Adapters (with grip and attachment ring)

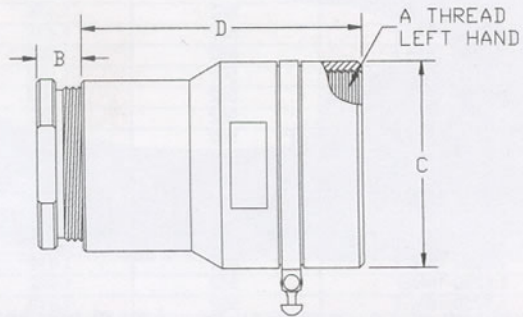
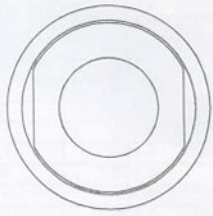
DASH NO.	CABLE DIA.		A THREAD CLASS 2B-LH	B FREE ±.035	C DIA +.010 -.020	D ±.045	E FREE APPROX.	TYPE
	MAX.	MIN.						
-221	.699	.605	1.2500-18NEF	.562	1.438	3.979	6.188	II
-222	.750	.637	1.2500-18NEF	.562	1.438	4.105	6.688	III
-223	.455	.367	1.2500-18NEF	.562	1.438	3.979	4.188	II
-224	1.000	.875	1.2500-18NEF	.562	1.438	4.167	7.188	III
-225	.828	.715	1.8500-18NEF	.594	1.438	4.072	6.688	I
-226	.900	.791	1.2500-18NEF	.562	1.438	4.105	7.188	III
-227	.562	.453	1.2500-18NEF	.594	1.438	4.074	5.188	I
-228	1.101	.984	1.2500-18NEF	.562	1.438	4.167	7.688	III
-229	.589	.511	1.2500-18NEF	.562	1.438	3.796	5.188	II
-231	1.055	.958	1.2500-18NEF	.562	1.438	4.167	7.688	III
-241	1.000	.875	1.3750-18NEF	.562	1.562	4.167	7.188	III
-242	.562	.453	1.3750-18NEF	.562	1.562	4.042	5.188	II
-243	.750	.637	1.3750-18NEF	.562	1.562	4.105	6.688	I
-244	.900	.791	1.3750-18NEF	.562	1.562	4.105	7.188	I
-245	1.101	.984	1.3750-18NEF	.562	1.562	4.167	7.688	III
-246	.405	.316	1.3750-18NEF	.562	1.562	3.796	3.688	II
-247	.828	.715	1.3750-18NEF	.562	1.562	4.042	6.688	II
-248	.805	.692	1.3750-18NEF	.562	1.562	4.105	6.688	I
-281	1.055	.958	1.6250-18NEF	.562	1.812	4.167	7.688	I
-282	.900	.791	1.6250-18NEF	.562	1.812	4.105	7.188	II
-283	1.000	.875	1.6250-18NEF	.562	1.812	4.167	7.188	I
-284	.630	.535	1.6250-18NEF	.562	1.812	4.105	5.688	II
-285	.750	.637	1.6250-18NEF	.562	1.812	4.105	6.688	II
-286	1.180	1.099	1.6250-18NEF	.562	1.812	4.230	8.188	III
-287	1.101	.984	1.6250-18NEF	.562	1.812	4.167	7.688	I
-288	1.310	1.200	1.6250-18NEF	.562	1.812	4.230	8.688	III
-289	1.230	1.105	1.6250-18NEF	.562	1.812	4.230	8.188	III
-290	.880	.755	1.6250-18NEF	.562	1.812	4.167	6.688	I
-291	.957	.857	1.6250-18NEF	.547	1.812	4.090	7.188	II
-292	.828	.715	1.6250-18NEF	.562	1.812	4.000	6.688	II
-293	1.375	1.250	1.6250-18NEF	.562	1.812	4.230	9.688	III
-294	1.445	1.320	1.6250-18NEF	.562	1.812	4.230	9.688	III
-321	.880	.755	1.8750-16N	.562	2.062	4.167	6.688	II
-322	1.101	.984	1.8750-16N	.562	2.062	4.167	7.688	II
-323	.750	.637	1.8750-16N	.562	2.062	4.105	6.688	II
-324	1.445	1.320	1.8750-16N	.672	2.062	4.292	9.688	III
-325	1.180	1.099	1.8750-16N	.562	2.062	4.230	8.188	I
-326	.875	.312	1.8750-16N	.500	2.062	3.750	3.844	II
-327	.957	.857	1.8750-16N	.562	2.062	4.105	7.188	II
-328	1.230	1.105	1.8750-16N	.562	2.062	4.230	8.188	I
-329	1.530	1.406	1.8750-16N	.562	2.062	4.292	10.688	III
-330	1.000	.875	1.8750-16N	.562	2.062	4.167	7.188	II
-331	1.375	1.250	1.8750-16N	.562	2.062	4.292	9.688	III
-332	1.310	1.200	1.8750-16N	.562	2.062	4.230	8.688	I
-361	1.055	.958	2.0625-16N	.562	2.312	4.167	7.688	II
-362	1.445	1.320	2.0625-16N	.562	2.312	4.292	9.688	I
-363	1.530	1.406	2.0625-16N	.562	2.312	4.292	10.688	I
-364	1.230	1.105	2.0625-16N	.562	2.312	4.230	8.188	II
-365	.750	.637	2.0625-16N	.562	2.312	4.105	6.688	II
-366	.880	.755	2.0625-16N	.562	2.312	4.167	6.688	II
-367	1.656	1.531	2.0625-16N	.562	2.312	4.354	12.688	III
-368	1.101	.984	2.0625-16N	.562	2.312	4.167	7.688	II
-369	.957	.857	2.0625-16N	.672	2.312	4.090	7.188	II
-370	1.900	1.775	2.0625-16N	.500	2.312	4.656	13.688	III
-371	.375	.312	2.0625-16N	.500	2.312	3.797	3.844	II
-372	1.825	1.700	2.0625-16N	.672	2.312	4.656	13.688	III
-373	1.375	1.250	2.0625-16N	.562	2.312	4.292	9.688	I
-374	1.562	1.437	2.0625-16N	.562	2.312	4.354	11.188	III
-375	1.730	1.605	2.0625-16N	.672	2.312	4.656	13.688	III
-401	1.310	1.200	2.3125-16N	.562	2.562	4.230	8.688	II
-402	1.656	1.531	2.3125-16N	.562	2.562	4.354	12.688	I
-403	1.101	.984	2.3125-16N	.438	2.562	4.167	7.688	II
-404	1.562	1.437	2.3125-16N	.562	2.562	4.354	11.188	I
-405	1.375	1.250	2.3125-16N	.562	2.562	4.292	9.688	II
-406	1.180	1.099	2.3125-16N	.562	2.562	4.230	8.188	II
-407	1.900	1.775	2.3125-16N	.672	2.562	4.625	13.688	III
-408	1.730	1.605	2.3125-16N	.672	2.562	4.625	13.688	III
-409	1.825	1.700	2.3125-16N	.672	2.562	4.625	13.688	III
-410	1.984	1.859	2.3125-16N	.672	2.562	4.625	13.688	III
-411	1.445	1.320	2.3125-16N	.562	2.562	4.292	9.688	II
-412	2.062	1.937	2.3125-16N	.672	2.562	4.656	14.188	III
-413	2.100	1.955	2.3125-16N	.672	2.562	4.656	14.188	III
-414	2.145	2.000	2.3125-16N	.672	2.562	4.656	14.188	III
-481	1.900	1.775	2.8750-16N	.562	3.125	4.547	13.688	II
-482	2.000	1.867	2.8750-16N	.672	3.125	5.625	14.188	II
-483	2.250	2.105	2.8750-16N	.672	3.125	5.750	17.188	I
-484	2.170	2.025	2.8750-16N	.672	3.125	5.750	17.188	I

MTQWL CABLE SEALING ADAPTERS

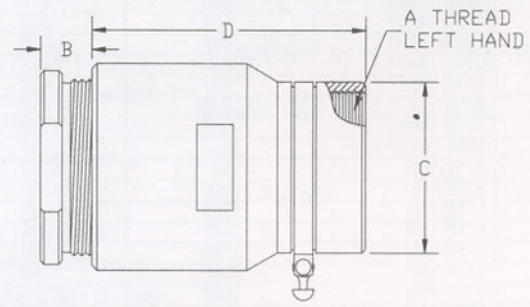
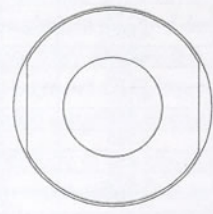
MTQWL335 Adapters (with attachment ring)



TYPE I
STRAIGHT ADAPTER



TYPE II
STEP-DOWN ADAPTER



TYPE III
STEP-UP ADAPTER

DASH NO.	CABLE DIA.		A THREAD CLASS 2B-LH	B FREE ±.035	C DIA. +.010 -0.020	D ±.045	TYPE
	MAX.	MIN.					
-121	.281	.219	.6250-24NEF	.500	.812	2.750	III
-122	.500	.406	.6250-24NEF	.562	.812	3.750	III
-141	.337	.281	.7500-20UNEF	.500	.938	2.594	I
-142	.222	.160	.7500-20UNEF	.562	.938	2.532	II
-143	.281	.219	.7500-20UNEF	.500	.938	2.594	I
-144	.530	.441	.7500-20UNEF	.562	.938	3.594	III
-145	.463	.406	.7500-20UNEF	.500	.938	2.938	III
-146	.405	.316	.7500-20UNEF	.562	.938	3.594	III
-161	.463	.406	.8750-20UNEF	.500	1.062	2.656	I
-162	.589	.511	.8750-20UNEF	.562	1.062	3.156	III
-163	.625	.580	.8750-20UNEF	.562	1.062	3.807	III
-164	.405	.316	.8750-20UNEF	.562	1.062	3.156	III
-171	.589	.511	.8750-20UNEF	.562	1.062	3.667	III
-172	.438	.400	.8750-20UNEF	.500	1.062	3.199	I
-173	.625	.580	.8750-20UNEF	.562	1.062	3.979	III
-174	.530	.441	.8750-20UNEF	.562	1.062	3.667	III
-175	.405	.316	.8750-20UNEF	.562	1.062	3.667	III
-181	.589	.511	1.0000-20UNEF	.562	1.188	3.667	I
-182	.625	.580	1.0000-20UNEF	.562	1.188	3.979	III
-183	.530	.441	1.0000-20UNEF	.562	1.188	3.667	I
-184	.699	.605	1.0000-20UNEF	.562	1.188	3.979	III
-185	.405	.316	1.0000-20UNEF	.562	1.188	3.667	I
-186	.455	.361	1.0000-20UNEF	.562	1.188	3.979	III
-187	.750	.637	1.0000-20UNEF	.562	1.188	4.109	III
-201	.625	.580	1.1250-18NEF	.562	1.312	3.979	I
-202	.699	.605	1.1250-18NEF	.562	1.312	3.979	I
-203	.500	.406	1.1250-18NEF	.562	1.312	3.979	I
-204	.337	.281	1.1250-18NEF	.500	1.312	3.422	II
-205	.828	.715	1.1250-18NEF	.547	1.312	4.042	III
-206	.375	.312	1.1250-18NEF	.500	1.312	3.453	II
-207	.281	.219	1.1250-18NEF	.500	1.312	3.422	II
-208	.455	.361	1.1250-18NEF	.562	1.312	3.979	I
-209	.589	.511	1.1250-18NEF	.562	1.312	3.667	II
-210	.530	.441	1.1250-18NEF	.562	1.312	3.667	II

MTQWL CABLE SEALING ADAPTERS

MTQWL335 Adapters (with attachment ring)

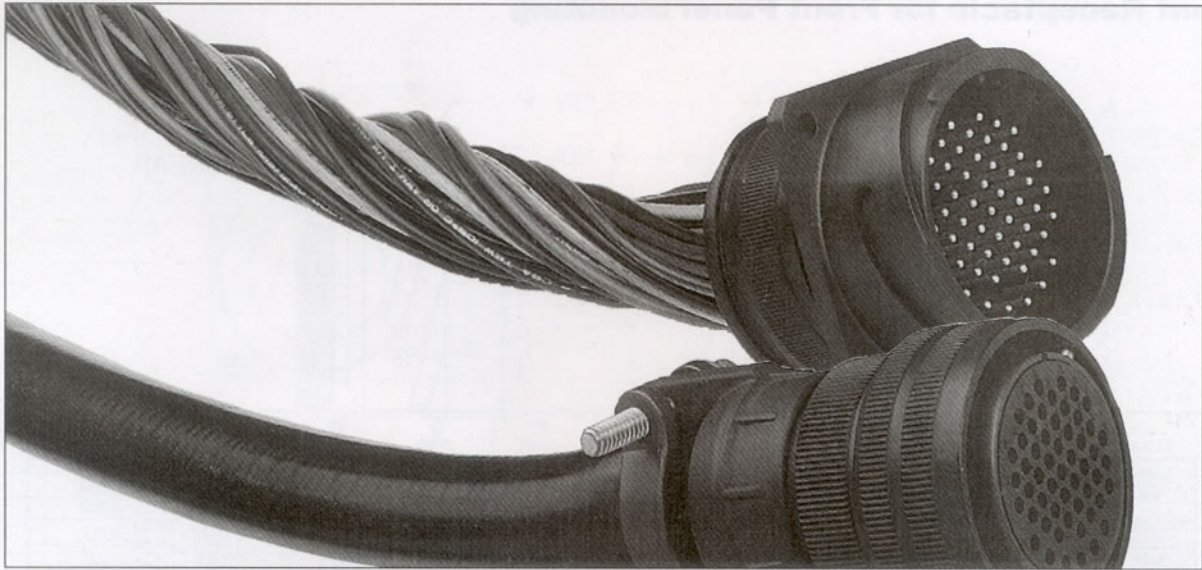
RHMCO
INDUSTRIES, INC.

DASH NO.	CABLE DIA.		A THREAD CLASS 2B-LH	B FREE ±.035	C DIA. +.010 -.020	D ±.045	TYPE
	MAX.	MIN.					
-221	.699	.605	1.2500-18NEF	.562	1.438	3.979	III
-222	.750	.637	1.2500-18NEF	.562	1.438	4.105	III
-223	.455	.367	1.2500-18NEF	.562	1.438	3.979	II
-224	1.000	.875	1.2500-18NEF	.562	1.438	4.167	III
-225	.828	.715	1.8500-18NEF	.594	1.438	4.072	I
-226	.900	.791	1.2500-18NEF	.562	1.438	4.105	III
-227	.562	.453	1.2500-18NEF	.594	1.438	4.074	I
-228	1.101	.984	1.2500-18NEF	.562	1.438	4.167	III
-229	.589	.511	1.2500-18NEF	.562	1.438	3.796	II
-231	1.055	.958	1.2500-18NEF	.562	1.438	4.167	III
-241	1.000	.875	1.3750-18NEF	.562	1.562	4.167	III
-242	.562	.453	1.3750-18NEF	.562	1.562	4.042	II
-243	.750	.637	1.3750-18NEF	.562	1.562	4.105	I
-244	.900	.791	1.3750-18NEF	.562	1.562	4.105	I
-245	1.101	.984	1.3750-18NEF	.562	1.562	4.167	III
-246	.405	.316	1.3750-18NEF	.562	1.562	3.796	II
-247	.828	.715	1.3750-18NEF	.562	1.562	4.042	II
-248	.805	.692	1.3750-18NEF	.562	1.562	4.105	I
-281	1.055	.958	1.6250-18NEF	.562	1.812	4.167	I
-282	.900	.791	1.6250-18NEF	.562	1.812	4.105	II
-283	1.000	.875	1.6250-18NEF	.562	1.812	4.167	I
-284	.630	.535	1.6250-18NEF	.562	1.812	4.105	II
-285	.750	.637	1.6250-18NEF	.562	1.812	4.105	II
-286	1.180	1.099	1.6250-18NEF	.562	1.812	4.230	III
-287	1.101	.984	1.6250-18NEF	.562	1.812	4.167	I
-288	1.310	1.200	1.6250-18NEF	.562	1.812	4.230	III
-289	1.230	1.105	1.6250-18NEF	.562	1.812	4.230	III
-290	.880	.755	1.6250-18NEF	.562	1.812	4.167	I
-291	.957	.857	1.6250-18NEF	.547	1.812	4.090	II
-292	.828	.715	1.6250-18NEF	.562	1.812	4.000	II
-293	1.375	1.250	1.6250-18NEF	.562	1.812	4.230	III
-294	1.445	1.320	1.6250-18NEF	.562	1.812	4.230	III
-321	.880	.755	1.8750-16N	.562	2.062	4.167	II
-322	1.101	.984	1.8750-16N	.562	2.062	4.167	II
-323	.750	.637	1.8750-16N	.562	2.062	4.105	II
-324	1.445	1.320	1.8750-16N	.672	2.062	4.292	III
-325	1.180	1.099	1.8750-16N	.562	2.062	4.230	I
-326	.875	.312	1.8750-16N	.500	2.062	3.750	II
-327	.957	.857	1.8750-16N	.562	2.062	4.105	II
-328	1.230	1.105	1.8750-16N	.562	2.062	4.230	I
-329	1.530	1.406	1.8750-16N	.562	2.062	4.292	III
-330	1.000	.875	1.8750-16N	.562	2.062	4.167	II
-331	1.375	1.250	1.8750-16N	.562	2.062	4.292	III
-332	1.310	1.200	1.8750-16N	.562	2.062	4.230	I
-361	1.055	.958	2.0625-16N	.562	2.312	4.167	II
-362	1.445	1.320	2.0625-16N	.562	2.312	4.292	I
-363	1.530	1.406	2.0625-16N	.562	2.312	4.292	I
-364	1.230	1.105	2.0625-16N	.562	2.312	4.230	II
-365	.750	.637	2.0625-16N	.562	2.312	4.105	II
-366	.880	.755	2.0625-16N	.562	2.312	4.167	II
-367	1.656	1.531	2.0625-16N	.562	2.312	4.354	III
-368	1.101	.984	2.0625-16N	.562	2.312	4.167	II
-369	.957	.857	2.0625-16N	.672	2.312	4.090	II
-370	1.900	1.775	2.0625-16N	.500	2.312	4.656	III
-371	.375	.312	2.0625-16N	.500	2.312	3.797	II
-372	1.825	1.700	2.0625-16N	.672	2.312	4.656	III
-373	1.375	1.250	2.0625-16N	.562	2.312	4.292	I
-374	1.562	1.437	2.0625-16N	.562	2.312	4.354	III
-375	1.730	1.605	2.0625-16N	.672	2.312	4.656	III
-401	1.310	1.200	2.3125-16N	.562	2.562	4.230	II
-402	1.656	1.531	2.3125-16N	.562	2.562	4.354	I
-403	1.101	.984	2.3125-16N	.438	2.562	4.167	II
-404	1.562	1.437	2.3125-16N	.562	2.562	4.354	I
-405	1.375	1.250	2.3125-16N	.562	2.562	4.292	II
-406	1.180	1.099	2.3125-16N	.562	2.562	4.230	II
-407	1.900	1.775	2.3125-16N	.672	2.562	4.625	III
-408	1.730	1.605	2.3125-16N	.672	2.562	4.625	III
-409	1.825	1.700	2.3125-16N	.672	2.562	4.625	III
-410	1.984	1.859	2.3125-16N	.672	2.562	4.625	III
-411	1.445	1.320	2.3125-16N	.562	2.562	4.292	II
-412	2.062	1.937	2.3125-16N	.672	2.562	4.656	III
-413	2.100	1.955	2.3125-16N	.672	2.562	4.656	III
-414	2.145	2.000	2.3125-16N	.672	2.562	4.656	III
-481	1.900	1.775	2.8750-16N	.562	3.125	4.547	II
-482	2.000	1.867	2.8750-16N	.672	3.125	5.625	II
-483	2.250	2.105	2.8750-16N	.672	3.125	5.750	I
-484	2.170	2.025	2.8750-16N	.672	3.125	5.750	I

MTMS(B) REVERSE COUPLING CONNECTORS

General Description/Ordering Information

RHIMCO
INDUSTRIES, INC.



GENERAL DESCRIPTION

The Rhimco MTMS(B) series of multi-pin connectors are designed around Mil-C-5015 basic insert layouts/positions and polarizations and differ mainly in that they employ a positive locking quick disconnect bayonet coupling system vs. the Mil-C-5015 threaded coupling system.

The methodology of the coupling system differs greatly from most other circular bayonet locking connectors in that the helix mating/demating device is in the receptacle barrel and the bayonet pins are in the coupling ring. This combination make for a superior (mechanically stronger) coupling system, therefore eliminating the need for lock wiring.

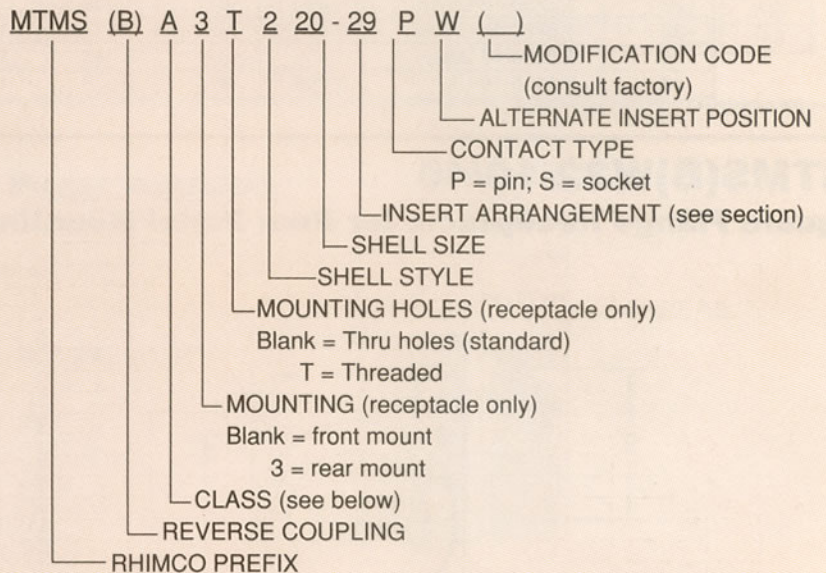
The MTMS(B) series meets or exceeds the mechanical, electrical, and environmental requirements of Mil-C-5015 and Mil-C-26482, series 1, connectors.

MTMS(B) connectors are also available with:

- * Coaxial contacts
- * Hermetically sealed stainless steel
- * RFI/EMI protection
- * Thermocouple contacts
- * Fuel resistant rubber

ORDERING INFORMATION

RHIMCO EXAMPLE PART NUMBER



CLASS: (Consult factory for additional classes available)

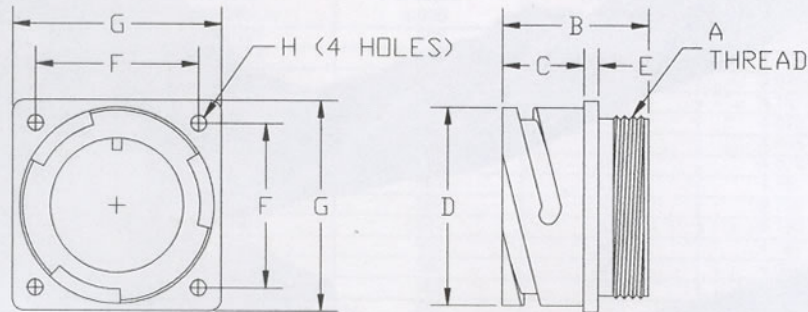
- A = Straight or 90° threaded adapter without grommet
- AR = Straight or 90° threaded adapter with grommet
- R = E-nut with grommet
- GK = Molding adapter with non-spinning connecting nut without grommet
- G = Molding adapter with non-spinning connecting nut with grommet
- GK2 = Molding adapter with free-spinning connecting nut without grommet
- G2 = Molding adapter with free-spinning connecting nut with grommet
- ARC = Same as class "AR" except with "C" clamp
- AC = Same as class "A" except with "C" clamp
- AA = Same as class "A" except with "A" clamp
- ARA = Same as class "AR" except with "A" clamp
- AD = Same as class "A" except with threaded adapter for use with non-metallic sealtite conduit
- ARD = Same as class "AR" except with threaded adapter for use with non-metallic sealtite conduit
- LAC = Same as class "A" except provided with long backshell
- LARC = Same as class "AR" except provided with long backshell
- W = Wall mount receptacle with accessory thread less rear accessory hardware

MTMS(B) REVERSE COUPLING CONNECTORS **RHMCO**

INDUSTRIES, INC.

MTMS(B)W2-10/40

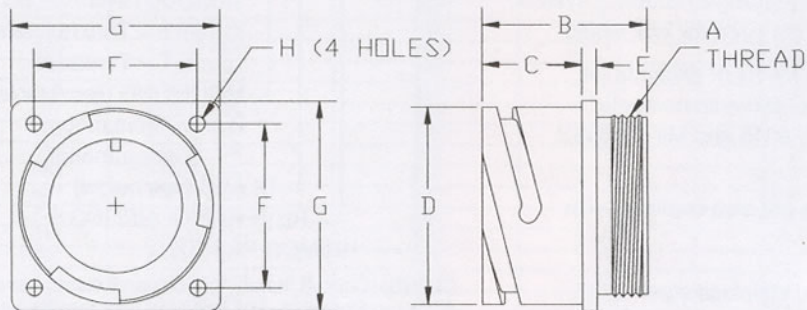
Box Mount Receptacle for Front Panel Mounting



SHELL SIZE	A THREAD CLASS 2A	B ±.012	C +.016 - .000	D +.000 - .006	E ±.008	F ±.004	G ±.012	H +.004 - .000
10SL	.6250-24 UNEF	.972	.559	.717	.110	.717	1.000	.126
14S	.7500-20 UNEF	.972	.559	.969	.126	.906	1.181	.126
16S	.8750-20 UNEF	.972	.559	1.079	.126	.969	1.280	.126
16	.8750-20 UNEF	1.331	.748	1.079	.126	.969	1.280	.126
18	1.0000-20 UNEF	1.331	.748	1.213	.157	1.063	1.378	.126
20	1.1250-18 UNEF	1.331	.748	1.346	.157	1.157	1.496	.126
22	1.2500-18 UNEF	1.331	.748	1.472	.157	1.252	1.614	.126
24	1.3750-18 UNEF	1.406	.811	1.610	.157	1.374	1.752	.146
28	1.6250-18 UNEF	1.406	.811	1.839	.157	1.563	2.000	.146
32	1.8750-16 UN	1.469	.874	2.102	.157	1.752	2.244	.169
36	2.0625-16 UN	1.469	.874	2.346	.157	1.937	2.500	.169
40	2.3125-16 UN	1.469	.874	2.579	.157	2.185	2.752	.169

MTMS(B)W32-10/40

Square Flange Receptacle for Rear Panel Mounting



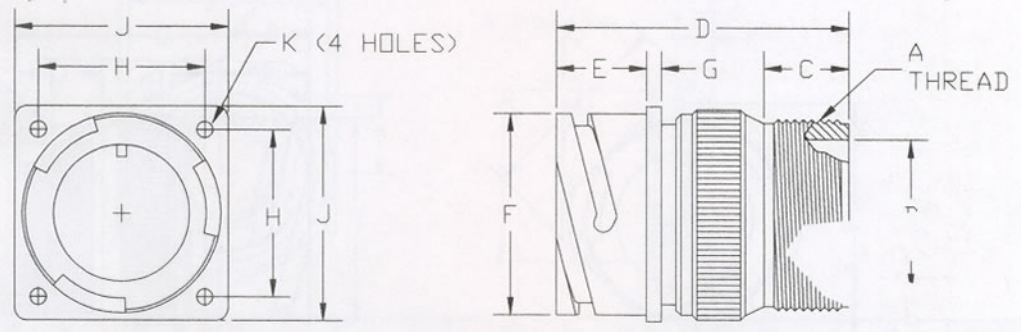
SHELL SIZE	A THREAD CLASS 2A	B ±.012	C +.016 - .000	D +.000 - .006	E ±.008	F ±.004	G ±.012	H +.004 - .000
10SL	.6250-24 UNEF	1.087	.717	.717	.110	.717	1.000	.126
14S	.7500-20 UNEF	1.087	.717	.969	.126	.906	1.181	.126
16S	.8750-20 UNEF	1.087	.717	1.079	.126	.969	1.280	.126
16	.8750-20 UNEF	1.331	.846	1.079	.126	.969	1.280	.126
18	1.0000-20 UNEF	1.331	.907	1.213	.157	1.063	1.378	.126
20	1.1250-18 UNEF	1.331	.907	1.346	.157	1.157	1.496	.126
22	1.2500-18 UNEF	1.331	.907	1.472	.157	1.252	1.614	.126
24	1.3750-18 UNEF	1.331	.907	1.610	.157	1.374	1.752	.146
28	1.6250-18 UNEF	1.406	.947	1.839	.157	1.563	2.000	.146
32	1.8750-18 UN	1.469	.947	2.102	.157	1.752	2.244	.169
36	2.0625-16 UN	1.469	.947	2.346	.157	1.937	2.500	.169
40	2.3125-16 UN	1.469	.947	2.579	.157	2.185	2.752	.169

MTMS(B) Reverse Coupling CONNECTORS RHIMCO

INDUSTRIES, INC.

MTMS(B)A0-10/40

Wall Mount Receptacle for Front Panel Mounting

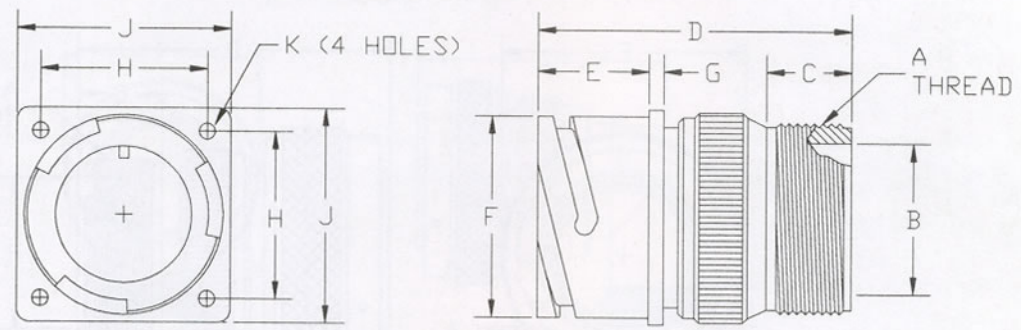


SHELL SIZE	A THREAD CLASS 2A	B Min.	C Min.	D Max.	E +.016 -.000	F +.000 -.006	G ±.008	H ±.004	J ±.012	K +.004 -.000
10SL	.6250-24 UNEF	.409	.374	1.969	.559	.717	.110	.717	1.000	.126
14S	.7500-20 UNEF	.520	.374	1.969	.559	.969	.126	.906	1.181	.126
16S	.8750-20 UNEF	.638	.374	1.969	.559	1.079	.126	.969	1.280	.126
16	.8750-20 UNEF	.638	.374	2.362	.748	1.079	.126	.969	1.280	.126
18	1.0000-20 UNEF	.756	.374	2.362	.748	1.213	.157	1.063	1.378	.126
20	1.1875-18 UNEF	.867	.374	2.362	.748	1.346	.157	1.157	1.496	.126
22	1.1875-18 UNEF	.965	.374	2.362	.748	1.472	.157	1.252	1.614	.126
24	1.4375-18 UNEF	1.094	.374	2.560	.811	1.610	.157	1.374	1.752	.146
28	1.4375-18 UNEF	1.228	.374	2.560	.811	1.839	.157	1.563	2.000	.146
32	1.7500-18 UNS	1.488	.433	2.560	.874	2.102	.157	1.752	2.244	.169
36	2.0000-18 UNS	1.780	.465	3.150	.874	2.346	.157	1.937	2.500	.169
40	2.2500-16 UN	2.016	.465	3.150	.874	2.579	.157	2.185	2.752	.169

CLASS 'A' ACCESSORY SHOWN. CONSULT FACTORY FOR ADDITIONAL ACCESSORIES AVAILABLE.

MTMS(B)A 30-10/40

Square Flange Receptacle for Rear Panel Mounting



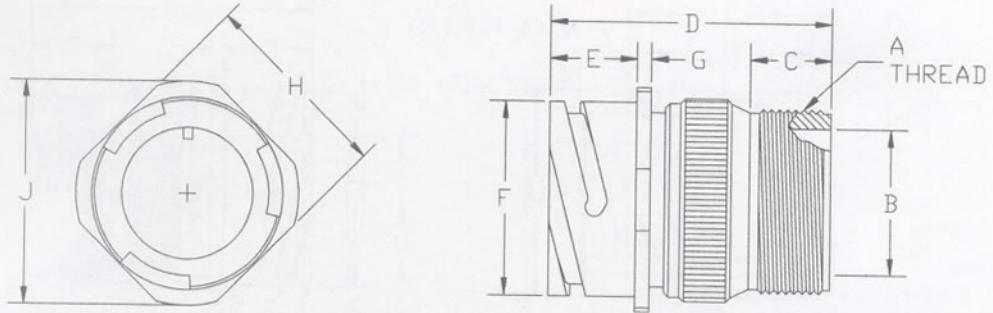
SHELL SIZE	A THREAD CLASS 2A	B Min.	C Min.	D Max.	E +.016 -.000	F +.000 -.006	G ±.008	H ±.004	J ±.012	K +.004 -.000
10SL	.6250-24 UNEF	.409	.374	1.969	.717	.717	.110	.717	1.000	.126
14S	.7500-20 UNEF	.520	.374	1.969	.717	.969	.126	.906	1.181	.126
16S	.8750-20 UNEF	.638	.374	1.969	.717	1.079	.126	.969	1.280	.126
16	.8750-20 UNEF	.638	.374	2.362	.846	1.079	.126	.969	1.280	.126
18	1.0000-20 UNEF	.756	.374	2.362	.907	1.213	.157	1.063	1.378	.126
20	1.1875-18 UNEF	.867	.374	2.362	.907	1.346	.157	1.157	1.496	.126
22	1.1875-18 UNEF	.965	.374	2.362	.907	1.472	.157	1.252	1.614	.126
24	1.4375-18 UNEF	1.094	.374	2.560	.907	1.610	.157	1.374	1.752	.146
28	1.4375-18 UNEF	1.228	.374	2.560	.947	1.839	.157	1.563	2.000	.146
32	1.7500-18 UNS	1.488	.433	2.560	.947	2.102	.157	1.752	2.244	.169
36	2.0000-18 UNS	1.780	.465	3.150	.947	2.346	.157	1.937	2.500	.169
40	2.2500-16 UN	2.016	.465	3.150	.947	2.579	.157	2.185	2.752	.169

CLASS 'A' ACCESSORY SHOWN. CONSULT FACTORY FOR ADDITIONAL ACCESSORIES AVAILABLE.

MTMS(B) Reverse Coupling CONNECTORS

MTMS(B)A1-10/40 Inline Receptacle

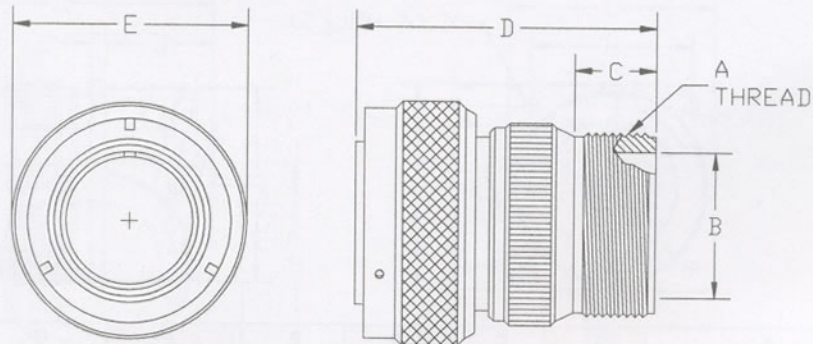
RHMCO
INDUSTRIES, INC.



SHELL SIZE	A THREAD CLASS 2A	B Min.	C Min.	D Max.	E $+0.016$ -0.000	F $+0.000$ -0.006	G ± 0.008	H ± 0.008	J Max.
10SL	.6250-24 UNEF	.409	.374	1.969	.559	.717	.110	.811	.992
14S	.7500-20 UNEF	.520	.374	1.969	.559	.969	.126	1.000	1.173
16S	.8750-20 UNEF	.638	.374	1.969	.559	1.079	.126	1.126	1.272
16	.8750-20 UNEF	.638	.374	2.362	.748	1.079	.126	1.126	1.272
18	1.0000-20 UNEF	.756	.374	2.362	.748	1.213	.157	1.248	1.370
20	1.1875-18 UNEF	.867	.374	2.362	.748	1.346	.157	1.374	1.488
22	1.1875-18 UNEF	.965	.374	2.362	.748	1.472	.157	1.500	1.618
24	1.4375-18 UNEF	1.094	.374	2.560	.811	1.610	.157	1.626	1.756
28	1.4375-18 UNEF	1.228	.374	2.560	.811	1.839	.157	1.874	2.004
32	1.7500-18 UNS	1.488	.433	2.560	.874	2.102	.157	2.126	2.248
36	2.0000-18 UNS	1.780	.465	3.150	.874	2.346	.157	2.386	2.504
40	2.2500-16 UN	2.016	.465	3.150	.874	2.579	.157	2.618	2.756

CLASS 'A' ACCESSORY SHOWN. CONSULT FACTORY FOR ADDITIONAL ACCESSORIES AVAILABLE.

MTMS(B)A6-10/40 Straight Plug

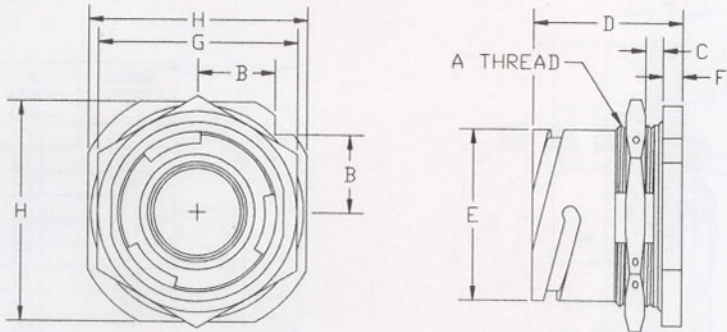


SHELL SIZE	A THREAD CLASS 2A	B Min.	C Min.	D Max.	E Max.
10SL	.6250-24UNEF	.409	.374	1.969	.898
14S	.7500-20UNEF	.520	.374	1.969	1.150
16S	.8750-20UNEF	.638	.374	1.969	1.260
16	.8750-20UNEF	.638	.374	2.362	1.260
18	1.0000-20UNEF	.756	.374	2.362	1.437
20	1.1875-18UNEF	.867	.374	2.362	1.571
22	1.1875-18UNEF	.965	.374	2.362	1.697
24	1.4375-18UNEF	1.094	.374	2.560	1.835
28	1.4375-18UNEF	1.228	.374	2.560	2.102
32	1.7500-18UNS	1.488	.433	2.560	2.366
36	2.0000-18UNS	1.780	.465	3.150	2.610
40	2.2500-16UN	2.016	.465	3.150	2.850

CLASS 'A' ACCESSORY SHOWN. CONSULT FACTORY FOR ADDITIONAL ACCESSORIES AVAILABLE.

MTMS(B) REVERSE COUPLING CONNECTORS

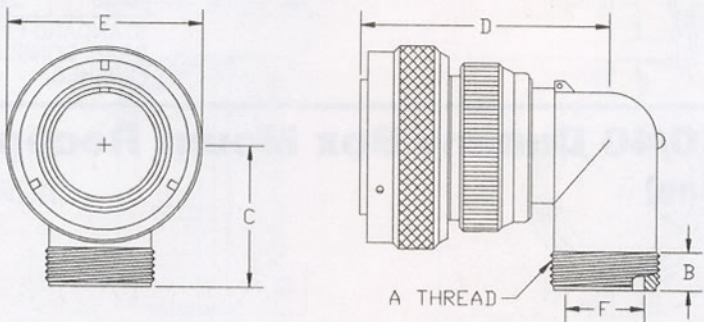
MTMS(B)7-10/40 Jam Nut Receptacle



SHELL SIZE	A THREAD CLASS 2A	B ±.012	C WALL THICKNESS		D ±.012	E +.000 -.006	F ±.007	G ±.016	H ±.012
			Min.	Max.					
10SL	.8750-20 UNEF	.441	.094	.205	.965	.717	.157	1.063	1.252
14S	1.1250-18 UNEF	.575	.094	.295	1.055	.969	.189	1.299	1.626
16S	1.2500-18 UNEF	.618	.094	.295	1.055	1.079	.189	1.496	1.748
16	1.2500-18 UNEF	.618	.094	.295	1.264	1.079	.189	1.496	1.748
18	1.3750-18 UNEF	.661	.094	.354	1.264	1.213	.189	1.575	1.874
20	1.5000-18 UNEF	.709	.094	.358	1.327	1.346	.189	1.732	2.000
22	1.6250-18 UNEF	.795	.094	.358	1.327	1.472	.189	2.008	2.252
24	1.7500-18 UNEF	.795	.094	.358	1.327	1.610	.189	2.008	2.252
28	2.0000-18 UNS	.886	.094	.394	1.386	1.839	.220	2.205	2.500
32	2.2500-16 UN	.972	.094	.394	1.386	2.102	.220	2.441	2.748
36	2.5000-16 UN	1.059	.094	.327	1.386	2.346	.220	2.795	3.000
40	2.7500-16 UN	1.165	.094	.327	1.386	2.579	.220	3.071	3.248

CONSULT FACTORY FOR JAM NUT RECEPTACLE WITH THREADED REAR FOR ACCESSORIES.

MTMS(B)A8-10/40 90° Angle Plug



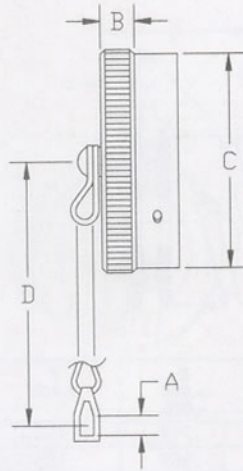
SHELL SIZE	A THREAD CLASS 2A	B MIN.	C MAX.	D MAX.	E MAX.	F MAX.	NO. OF TEETH
10SL	.6250-24 UNEF	.370	1.181	1.772	.898	.421	16
14S	.7500-20 UNEF	.370	1.181	1.850	1.150	.461	20
16S	.8750-20 UNEF	.370	1.181	1.890	1.299	.587	24
16	.8750-20 UNEF	.370	1.181	2.244	1.299	.587	24
18	1.0000-20 UNEF	.370	1.378	2.283	1.437	.685	28
20	1.1875-18 UNEF	.370	1.378	2.402	1.571	.807	32
22	1.1875-18 UNEF	.370	1.378	2.402	1.697	.913	36
24	1.4375-18 UNEF	.370	1.575	2.598	1.835	1.023	40
28	1.4375-18 UNEF	.370	1.575	2.598	2.102	1.137	46
32	1.7500-18 UNS	.433	1.772	2.835	2.366	1.444	56
36	2.0000-18 UNS	.496	1.969	2.953	2.610	1.685	62
40	2.2500-16 UN	.496	2.165	3.071	2.850	1.921	70

ALSO AVAILABLE WITH "A", "B", AND "C" TYPE STRAIN RELIEF CLAMPS. CONSULT FACTORY.

MTMS(B) REVERSE COUPLING ACCESSORIES **RHMCO**

INDUSTRIES, INC.

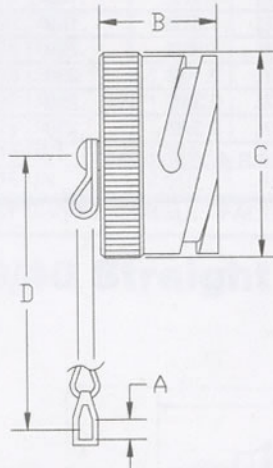
MTMS(B)91451-11/40 Receptacle Cover



SHELL SIZE	A +.020 -.000	B MAX.	C MAX.	D APPROX.
11	.173	.650	.905	5.000
14	.173	.650	1.181	5.000
16	.173	.827	1.280	5.000
17	.173	.650	1.280	5.000
18	.173	.827	1.457	5.000
20	.173	.827	1.594	5.000
22	.173	.827	1.713	5.000
24	.173	.827	1.850	5.000
28	.220	.827	2.126	7.480
32	.220	.827	2.382	7.480
36	.220	.827	2.638	6.890
40	.220	.827	2.874	7.480

STANDARD FINISH IS CADMIUM PLATE OLIVE DRAB. CONSULT FACTORY FOR OTHER AVAILABLE FINISHES.

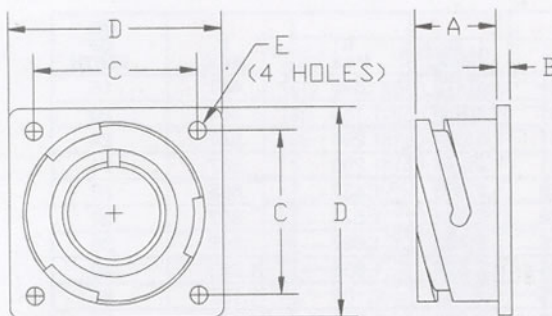
MTMS(B)91452-11/40 Plug Cover



SHELL SIZE	A +.020 -.000	B MAX.	C MAX.	D APPROX.
11	.157	.945	.807	5.000
14	.157	.945	1.059	5.000
16	.157	.945	1.169	5.000
17	.157	.945	1.169	5.000
18	.157	.945	1.303	5.000
20	.189	1.260	1.437	5.520
22	.189	1.260	1.563	5.520
24	.189	1.260	1.701	5.520
28	.189	1.260	1.929	7.480
32	.220	1.260	2.193	7.480
36	.220	1.260	2.437	7.480
40	.220	1.260	2.665	7.480

STANDARD FINISH IS CADMIUM PLATE OLIVE DRAB. CONSULT FACTORY FOR OTHER AVAILABLE FINISHES.

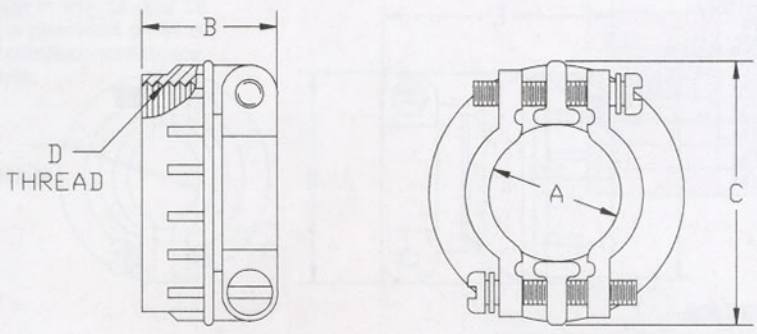
MTMS(B)92837-10/40 Dummy Box Mount Receptacle (for front panel mounting)



SHELL SIZE	A +.016 -.000	B ±.008	C ±.004	D ±.012	E +.004 -.000
10SL	.559	.110	.717	1.000	.126
14S	.559	.126	.906	1.181	.126
16S	.559	.126	.969	1.280	.126
16	.748	.126	.969	1.280	.126
18	.748	.157	1.063	1.378	.126
20	.748	.157	1.157	1.496	.126
22	.748	.157	1.252	1.614	.126
24	.811	.157	1.374	1.752	.146
28	.811	.157	1.563	2.000	.146
32	.874	.157	1.752	2.244	.169
36	.874	.157	1.937	2.500	.169
40	.874	.157	2.185	2.752	.169

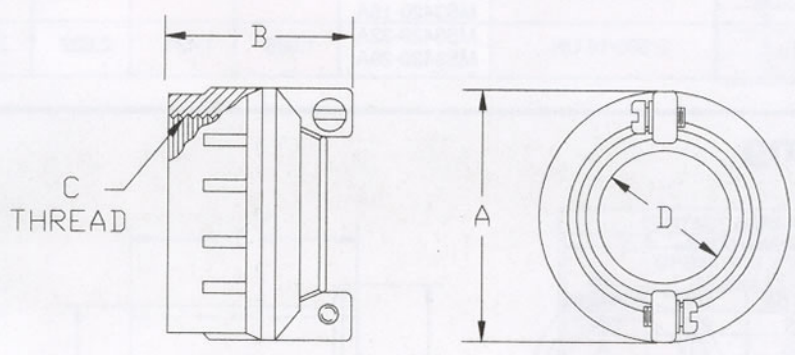
STANDARD FINISH IS CADMIUM PLATE OLIVE DRAB. CONSULT FACTORY FOR OTHER AVAILABLE FINISHES.

MTMS(B) REVERSE COUPLING ACCESSORIES **RHMCO** **MS3057-A Cable Clamp** INDUSTRIES, INC.



PART NUMBER	USED WITH SHELL SIZE	USED WITH BUSHING	A	B	C	D THREAD CLASS 2B
MS3057-4A	10SL	MS3420-4	.315	.812	.866	.6250-24 UNEF
MS3057-6A	14S	MS3420-6	.442	.875	1.063	.7500-20 UNEF
MS3057-8A	16-16S	MS3420-8	.568	.945	1.145	.8750-20 UNEF
MS3057-10A	18	MS3420-10	.633	.945	1.244	1.0000-20 UNEF
MS3057-12A	20-22	MS3420-12	.758	.945	1.475	1.1875-18 UNEF
MS3057-16A	24-28	MS3420-16	.948	1.031	1.700	1.4375-18 UNEF
MS3057-20A	32	MS3420-20	1.256	1.094	2.055	1.7500-18 UNS
MS3057-24A	36	MS3420-24	1.380	1.157	2.265	2.0000-18 UNS
MS3057-28A	40	MS3420-28	1.625	1.685	2.683	2.2500-16 UN

MS3057-B Cable Clamp

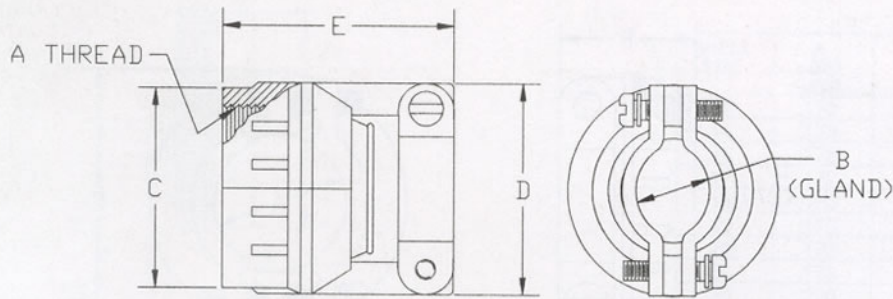


PART NUMBER	CONNECTOR SHELL SIZE (REF)	A MAX.	B MAX.	C THREAD	D DIA. APPROX. (GLAND)		BUSHING (REF)
					FREE	CLOSED	
MS3057-3B	8S AND 10S	.812	1.031	1/2-28 UNEF-2B	.219	.031	MS3420-3A
MS3057-4B	10SL, 12S AND 12	.937		5/8-24 UNEF-2B	.312	.094	MS3420-4A
MS3057-6B	14S AND 14	1.062		3/4-20 UNEF-2B	.438	.250	MS3420-6A
MS3057-8B	16S AND 16	1.188	1.094	7/8-20 UNEF-2B	.531	.312	MS3420-8A
MS3057-10B	18	1.312		1-20 UNEF-2B	.625	.375	MS3420-10A
MS3057-12B	20 AND 22	1.562	1.219	1-3/16-18 UNEF-2B	.750	.500	MS3420-12A
MS3057-16B	24 AND 28	1.750		1-7/16-18 UNEF-2B	.938	.594	MS3420-16A
MS3057-20B	32	2.250	1.344	1-3/4-18 UNS-2B	1.250	.938	MS3420-20A
MS3057-24B	36	2.375		2-18 UNS-2B	1.375	.969	MS3420-24A
MS3057-28B	40	2.625	1.547	2-1/4-16 UN-2B	1.625	1.188	MS3420-28A
MS3057-32B	44	2.812		2-1/2-16 UN-2B	1.875	1.375	MS3420-32A
MS3057-40B	48	3.312	1.781	3-16 UN-2B	2.375	1.875	MS3420-40A

MTMS(B) REVERSE COUPLING ACCESSORIES **RHMCO**

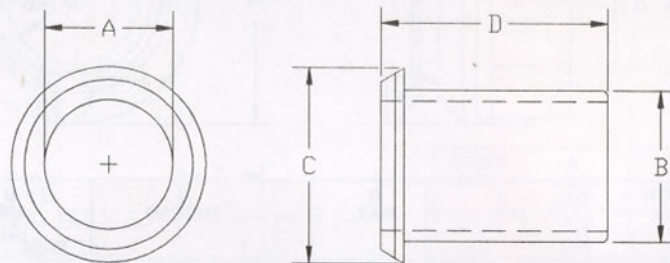
MS3057-C Cable Clamp

INDUSTRIES, INC.



PART NUMBER	USED WITH SHELL SIZE	A THREAD CLASS 2B IN INCHES	USED WITH BUSHING	B		C ±.016	D ±.008	E +.020 - .000
				OPEN	CLOSED			
MS3057-4C	10SL	.625-24 UNEF	MS3420-4A	.312	.094	.748	.890	1.272
MS3057-6C	14S	.750-20 UNEF	MS3420-6A MS3420-4A	.438	.230	.874	1.016	1.272
MS3057-8C	16 & 16S	.875-20 UNEF	MS3420-8A MS3420-6A	.531	.315	1.000	1.106	1.272
MS3057-10C	18	1.000-20 UNEF	MS3420-10A MS3420-6A	.625	.378	1.122	1.220	1.390
MS3057-12C	20 & 22	1.1875-18 UNEF	MS3420-12A MS3420-8A	.748	.445	1.311	1.469	1.406
MS3057-16C	24 & 28	1.4375-18 UNEF	MS3420-16A MS3420-12A MS3420-8A	.937	.610	1.559	1.654	1.516
MS3057-20C	32	1.750-18 UNS	MS3420-20A MS3420-16A MS3420-12A	1.250	.921	1.874	2.126	1.764
MS3057-24C	36	2.000-18 UNS	MS3420-24A MS3420-20A MS3420-16A	1.378	.921	2.122	2.248	2.031
MS3057-28C	40	2.250-16 UN	MS3420-28A MS3420-20A MS3420-16A	1.624	1.177	2.374	2.500	2.031
MS3057-32C	44	2.500-16 UN	MS3420-32A MS3420-28A	1.866	1.421	2.622	2.811	2.189

MS3420 Bushing



PART NUMBER	A	B	C	D
MS3420-3	.130	.210	.379	2.875
MS3420-4	.220	.302	.505	2.750
MS3420-6	.312	.427	.619	2.625
MS3420-8	.437	.552	.744	2.500
MS3420-10	.562	.615	.889	2.375
MS3420-12	.625	.740	1.084	2.250
MS3420-16	.750	.927	1.314	2.125
MS3420-20	.937	1.240	1.598	2.000
MS3420-24	1.250	1.365	1.847	1.875
MS3420-28	1.375	1.614	2.085	1.750

CONTACTS

MS SOLDER TYPE



Machined high grade copper alloy contacts in a full range of sizes with closed entry socket design in the 12 and 16 contacts. A heavy silver-plated finish is deposited on all of our MS style contacts for maximum corrosion resistance. Consult factory for other available finishes.

CONTACT PART NUMBER DATA		
SIZE	PIN CONTACT PART NUMBER	SOCKET CONTACT PART NUMBER
16 (SHORT)	MT5015SS-16P	MT5015SS-16S
16 (LONG)	MT5015SL-16P	MT5015SL-16S
12	MT5015SL-12P	MT5015SL-12S
8	MT5015SL-8P	MT5015SL-8S
4	MT5015SL-4P	MT5015SL-4S
0	MT5015SL-0P	MT5015SL-0S

SOLDER WELL DATA

Contact size	0	4	8	12	16
Well Inside +.005	.469	.332	.209	.116	.078
Diameter -.003					
Well Depth +.031	.625	.625	.500	.375	.250
-.000					
Solder Well Barrel Outside +.004	.547	.394	.256	.146	.103
Diameter -.003					
Recommended Wire Size Per MIL-W-5086	0,1,2	4,6	8,10	12,14	16,18,20,22

ELECTRICAL DATA

The MS Service Data listed below illustrate the electrical ratings and physical spacing between the contacts and between contacts and shell.

TABLE I

CONTRACT RATING			
CONTACT SIZE	RATED CURRENT	TEST CURRENT	POTENTIAL DROP MILLIVOLTS MAX.
16	13	20	21
12	23	35	20
8	46	60	12
4	80	110	10
0	150	200	10

*The values listed in Table I represent operating values which include a generous safety factor. It may be necessary for some applications to exceed the operating voltages listed here. If this is necessary, designers will find Table II useful for determining the degree to which the recommended values of Table I can be exceeded.

TABLE II

CONTACT ARRANGEMENT SERVICE RATING				
MS SERVICE	RECOMMENDED OPERATING VOLTAGE* AT SEA LEVEL		EFFECTIVE CREEPAGE DISTANCE NOM	MECHANICAL SPACING NOM
	DC	AC RMS		
INST.	250	200	1/16	—
A	700	500	1/8	1/16
D	1250	900	3/16	1/8
E	1750	1250	1/4	3/16
B	2450	1750	5/16	1/4
C	4200	3000	1	5/16

**No attempt has been made to recommend operating voltages. The designer must determine his own operating voltages by the application of a safety factor to the derating chart to compensate for circuit transients, surges, etc.

ALTITUDE VOLTAGE DERATING** CHART

MS SERVICE RATING	NOMINAL DISTANCE		STANDARD SEA LEVEL CONDITIONS		PRESSURE ALTITUDE+ 50,000 FEET		PRESSURE ALTITUDE+ 70,000 FEET	
	AIRSPACE	CREEPAGE	MINIMUM FLASHOVER VOLTAGE VAC RMS	TEST VOLTAGE VAC RMS	MINIMUM FLASHOVER VOLTAGE VAC RMS	TEST VOLTAGE VAC RMS	MINIMUM FLASHOVER VOLTAGE VAC RMS	TEST VOLTAGE VAC RMS
INST	1/32	1/16	1400	1000	550	400	325	260
A	1/16	1/8	2800	2000	800	600	450	360
D	1/8	3/16	3600	2800	900	675	500	400
E	3/16	1/4	4500	3500	1000	750	550	440
B	1/4	5/16	5700	4500	1100	825	600	480
C	5/16	1	8500	7000	1300	975	700	560

+Not corrected for changes in density due to variations in temperature.

CONTACTS

Crimp Type (Solderless)

CONTACT PART NUMBER DATA

SIZE	PIN CONTACT PART NUMBER	SOCKET CONTACT PART NUMBER
16 (SHORT)	MT5015CS-16P	MT5015CS-16S
16 (LONG)	MT5015CL-16P	MT5015CL-16S
12	MT5015CL-12P	MT5015CL-12S
8	MT5015CL-8P	MT5015CL-8S
4	MT5015CL-4P	MT5015CL-4S
0	MT5015CL-0P	MT5015CL-0S

Machined high grade copper alloy contacts and gold-plated for maximum corrosion resistance, (other finishes available), with a minimum millivolt drop and a maximum current carrying capacity. The sizes 16 and 12 socket contacts are of the closed entry design. Our crimp type contact is available in all MS insert arrangements which contain contact size 0, 4, 8, 12, and/or 16.

SOLDER WELL DATA

Contact size	0	4	8	12	16
Well Diameter	.453 ±.005	.281+.005 -.004	.179+.004 -.002	.098+.004 -.002	.063+.004 -.002
Well Depth	.750 +.031 -.000	.500	.500	.250	.250
Solder Well Barrel Outside Diameter	.563 ±.005	.375+.006 -.005	.271+.004 -.003	.156+.004 -.003	.103+.004 -.003
Recommended Wire Size Per MIL-W-5086	0,*2	4,*6	8,*10	12,14	16,18, 20,22

*Indicated wire sizes can be crimped to listed contacts by using appropriate contact bushing. For availability of contact bushing consult factory.

TABLE I

CONTRACT RATING			
CONTACT SIZE	RATED CURRENT	TEST CURRENT	POTENTIAL DROP MILLIVOLTS MAX.
16	13	20	35
12	23	35	30
8	46	60	25
4	80	110	25
0	150	200	25

ELECTRICAL DATA

The MS Service Data listed below illustrate the electrical ratings and physical spacing between the contacts and between contacts and shell.

TABLE II

CONTACT ARRANGEMENT SERVICE RATING				
MS SERVICE	RECOMMENDED OPERATING VOLTAGE* AT SEA LEVEL		EFFECTIVE CREEPAGE DISTANCE NOM	MECHANICAL SPACING NOM
	DC	AC RMS		
INST.	250	200	1/16	—
A	700	500	1/8	1/16
D	1250	900	3/16	1/8
E	1750	1250	1/4	3/16
B	2450	1750	5/16	1/4
C	4200	3000	1	5/16

*The values listed in Table I represent operating values which include a generous safety factor. It may be necessary for some applications to exceed the operating voltages listed here. If this is necessary, designers will find Table II useful for determining the degree to which the recommended values of Table I can be exceeded.

**No attempt has been made to recommend operating voltages. The designer must determine his own operating voltages by the application of a safety factor to the derating chart to compensate for circuit transients, surges, etc.

ALTITUDE VOLTAGE DERATING** CHART

MS SERVICE RATING	NOMINAL DISTANCE		STANDARD SEA LEVEL CONDITIONS		PRESSURE ALTITUDE+ 50,000 FEET		PRESSURE ALTITUDE+ 70,000 FEET	
	AIRSPACE	CREEPAGE	MINIMUM FLASHOVER VOLTAGE VAC RMS	TEST VOLTAGE VAC RMS	MINIMUM FLASHOVER VOLTAGE VAC RMS	TEST VOLTAGE VAC RMS	MINIMUM FLASHOVER VOLTAGE VAC RMS	TEST VOLTAGE VAC RMS
INST.	1/32	1/16	1400	1000	550	400	325	260
A	1/16	1/8	2800	2000	800	600	450	360
D	1/8	3/16	3600	2800	900	675	500	400
E	3/16	1/4	4500	3500	1000	750	550	440
B	1/4	5/16	5700	4500	1100	825	600	480
C	5/16	1	8500	7000	1300	975	700	560

+Not corrected for changes in density due to variations in temperature.

INSERT ARRANGEMENTS

Selection Guide

t = Not applicable to Mil-C-22992.

ARRANGEMENT NUMBER	SERVICE RATING	TOTAL CONTACTS	CONTACT SIZE				
			0	4	8	12	16
t 8S-1	A	1					1
t 10S-2	A	1					1
t 10-SL-3	INST;A	3					3
t 10SL-4	A	2					2
t 12S-3	A	2					2
12-5	D	1				1	
t 14S-2	INST	4					4
t 14S-9	A	2					2
14-3	A	1			1		
t 16S-1	A	7					7
t 16S-6	A	3					3
16-2	E	1				1	
16-7	A	3			1		2
16-9	A	4				2	2
16-10	A	3				3	
16-11	A	2				2	
16-12	A	1		1			
16-13	A	2				2	
18-1	B,C,F,G = A BAL. = INST.	10					10
t 18-3	D	2				2	
18-4	D	4					4
18-5	D	3				2	1
18-6	D	1		1			
18-7	B	1			1		
18-8	A	8				1	7
18-9	INST	7				2	5
t 18-10	A	4				4	
18-11	A	5				5	
t 18-12	A	6					6
18-13	A	4			1	3	
18-14	A	2		1			1
18-15	A	4				4	
18-16	C	1				1	
t 18-17	INST	7				2	5
t 18-19	A	10					10
t 18-20	A	5					5
t 18-22	D	3					3
t 18-24	B,C,F,G = A BAL. = INST.	10					10
t 18-29	A	5					5
t 18-30	A	5					5
t 18-31	A	5					5
20-2	D	1		1			
t 20-3	D	3					3

ARRANGEMENT NUMBER	SERVICE RATING	TOTAL CONTACTS	CONTACT SIZE				
			0	4	8	12	16
20-4	D	4					4
t 20-6	D	3					3
20-7	A, B, H, G = D; C, D, E, F = A	8					8
20-8	INST	6				2	4
20-9	H = D; BAL. = A	8					1 7
t 20-11	INST	13					13
t 20-12	A	2		1			1
20-14	A	5				2	3
20-15	A	7					7
20-16	A	9					2 7
20-17	A	6					5 1
20-18	A	9					3 6
t 20-19	A	3				3	
t 20-20	A	4		1			3
20-21	A	9					1 8
20-22	A	6				3	3
t 20-23	A	2				2	
20-24	A	4				2	2
t 20-25	INST	13					13
20-27	A	14					14
20-29	A	17					17
t 20-30	INST	13					13
20-33	A	11					11
t 22-1	D	2				2	
22-2	D	3				3	
t 22-4	A	4				2	2
22-5	D	6					2 4
t 22-6	D	3				2	1
22-7	E	1		1			
t 22-8	E	2					2
22-9	E	3					3
22-10	E	4					4
22-11	B	2					2
22-12	D	5				2	3
t 22-13	E = D; A, B, C, D = A	5					4 1
22-14	A	19					19
22-15	D = E; A, B, C, E, F = A	6					5 1
t 22-16	A	9					3 6
22-17	A = D; BAL. = A	9					1 8
22-18	A, B, F, G, H = D; C, D, E = A	8					8
22-19	A	14					14
t 22-20	A	9					9
22-21	A	3		1			2

Consult factory for additional military approved and special commercial insert arrangements.

INSERT ARRANGEMENTS

Selection Guide

t = Not applicable to Mil-C-22992.

ARRANGEMENT NUMBER	SERVICE RATING	TOTAL CONTACTS	CONTACT SIZE				
			0	4	8	12	16
22-22	A	4			4		
22-23	H = D; BAL = A	8				8	
t 22-24	C, D, E = D; A, B, F = A	6				2	4
22-27	J = D; BAL = A	9			1		8
t 22-28	A	7				7	
t 22-33	A, B, C, D = D E, F, G = A	7					7
t 22-34	D	5				3	2
22-36	H = D; BAL = A	8					8
24-2	D	7				7	
t 24-3	D	7				2	5
t 24-5	A	16					16
24-6	A, G, H = D; BAL = A	8				8	
24-7	A	16				2	14
t 24-9	A	2		2			
24-10	A	7			7		
24-11	A	9			3	6	
24-12	A	5		2		3	
24-16	A, B, F, G = D; C, D, E = A	7			1	3	3
t 24-17	D	5				2	3
24-20	D	11				2	9
24-21	D	10			1		9
24-22	D	4			4		
24-27	E	7					7
24-28	INST	24					24
28-1	A, J, E = D; BAL = A	9			3	6	
28-2	D	14				2	12
28-3	E	3			3		
28-4	G, P, S = E; BAL = D	9				2	7
28-5	D	5		2		1	2
t 28-6	D	3			3		
t 28-7	D	2			2		
28-8	L, M = E; B = D; BAL = A	12				2	10
28-9	D	12				6	6
28-10	G = D; BAL = A	7		2	2	3	
28-11	A	22				4	18
28-12	A	26					26
t 28-13	A	26					26
28-15	A	35					35
t 28-16	A	20					20
28-17	R = B, M, N, P = D A TO L = A	15					15
28-18	M = C, G, H, J, K, L = D A, B = H; BAL = INST.	12					12
28-19	H, M = B; A, B = D; BAL = A	10				4	6
28-20	A	14				10	4

ARRANGEMENT NUMBER	SERVICE RATING	TOTAL CONTACTS	CONTACT SIZE				
			0	4	8	12	16
28-21	A	37					37
28-22	D	6			3		3
32-1	A = E; BAL = D	5		2			3
32-2	E	5			3		2
32-3	D	9		1	2		2
t 32-4	F, J, K, N = A; BAL = D	14					2
t 32-5	D	2			2		
32-6	A	23			2	3	2
32-7	A, B, H, I = INST; BAL = A	35					7
t 32-8	A	30					6
32-9	D	14			2		12
t 32-10	A, F = E; G = B; B, E = D; C, D = A	7			2	2	3
t 32-12	C, D, E, F, G = A BAL = D	15					5
32-13	D	23					5
32-15	D	8		2			6
t 32-16	A	23			2	3	2
32-17	D	4			4		
32-73	A	46					46
t 36-1	D	22					4
36-3	D	6		3			3
t 36-4	A = D; B, C = A	3		3			
36-5	A	4		4			
36-6	A	6		2	4		
36-7	A	47					7
36-8	A	47					1
36-9	A	31			1	2	14
36-10	A	48					48
t 36-11	A	48					48
t 36-12	A	48					48
t 36-13	N, P, Q = E; BAL = A	17					2
t 36-14	D	16				5	5
36-15	M = D; BAL = A	35					35
t 36-16	A	47					7
t 36-17	A	47					7
t 36-18	A	31			1	2	14
t 36-20	A	34				2	2
36-52	A	52					52
40-1	D	30					6
40-9	A	47				1	22
40-56	A	85					85
t 40-ADS	A	8		4		4	
44-52	A	104					104
t 48-62	D	85					85

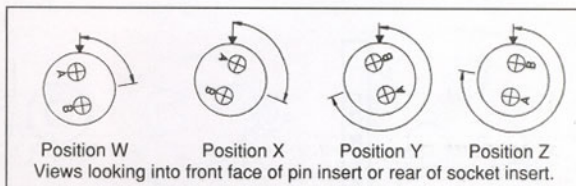
Consult factory for additional military approved and special commercial insert arrangements.

INSERT ARRANGEMENTS

Alternate Rotations

MS specifications provide for "Alternate Arrangements", which means that the connector insert is rotated, with respect to the shell, a specified number of degrees from the normal position. This provision is intended to prevent mismatching when several connectors of the same size and arrangement are installed close to one another.

As shown on MS drawings, alternate arrangement rotations are identified by the letters W, X, Y and Z. These letters are added as a suffix to the normal MS identification.



ARRANGEMENT NUMBER	KEYING POSITION (DEGREES FROM NORMAL POSITION)			
	W	X	Y	Z
t 12S-3	70	145	215	290
t 14S-2	—	120	240	—
t 14S-9	70	145	215	290
t 16S-1	80	—	—	280
t 16S-6	90	180	270	—
16-7	80	110	250	280
16-9	35	110	250	325
16-10	90	180	270	—
16-11	35	110	250	325
16-13	35	110	250	325
18-1	70	145	215	290
t 18-3	35	110	250	325
18-4	35	110	250	325
18-5	80	110	250	280
18-8	70	—	—	290
18-9	80	110	250	280
t 18-10	—	120	140	—
18-11	—	170	265	—
t 18-12	80	—	—	280
18-13	80	110	250	280
18-14	80	110	250	280
18-15	—	120	240	—
t 18-19	—	120	240	—
t 18-20	90	180	270	—
t 18-22	70	145	215	290
t 18-29	90	180	270	—
t 20-3	70	145	215	290
20-4	45	110	250	—
t 20-6	70	145	215	290
20-7	80	110	250	280
20-8	80	110	250	280
20-9	80	110	250	280
t 20-12	80	110	250	280
20-14	80	110	250	280
20-15	80	—	—	280
20-16	80	110	250	280
20-17	90	180	270	—
20-18	35	110	250	325
t 20-19	90	180	270	—
t 20-20	80	110	250	280
20-21	35	110	250	325
20-22	80	110	250	280
t 20-23	35	110	250	325
20-24	35	110	250	325
20-27	35	110	250	325
20-29	80	—	—	280
t 22-1	35	110	250	325
22-2	70	145	215	290
t 22-4	35	110	250	325

ARRANGEMENT NUMBER	KEYING POSITION (DEGREES FROM NORMAL POSITION)			
	W	X	Y	Z
22-5	35	110	250	325
t 22-6	80	110	250	280
t 22-8	35	110	250	325
22-9	70	145	215	290
22-10	35	110	250	325
22-11	35	110	250	325
22-12	80	110	250	280
t 22-13	35	110	260	325
22-14	80	110	250	280
22-15	80	110	250	280
t 22-16	80	110	250	280
22-17	80	110	250	280
22-18	80	110	250	280
22-19	80	110	250	280
t 22-20	35	110	250	325
22-21	80	110	250	280
22-22	—	110	250	—
22-23	35	—	250	—
t 22-24	80	110	250	280
22-27	80	—	250	280
t 22-28	80	—	—	280
t 22-33	80	110	250	280
t 22-34	80	110	250	280
22-36	90	—	270	—
24-2	80	—	—	280
t 24-3	80	110	250	280
t 24-5	80	110	250	280
24-6	80	110	250	280
24-7	80	110	250	280
t 24-9	35	110	250	325
24-10	80	—	—	280
24-11	35	110	250	325
24-12	80	110	250	280
24-16	80	110	250	280
t 24-17	80	110	250	280
24-20	80	110	250	280
24-21	80	110	250	280
24-22	45	110	250	—
24-27	80	—	—	280
24-28	80	110	250	280
28-1	80	110	250	280
28-2	35	110	250	325
28-3	70	145	215	290
28-4	80	110	250	280
28-5	35	110	250	325
t 28-6	70	145	215	290
t 28-7	35	110	250	325
28-8	80	110	250	280
28-9	80	110	250	280

ARRANGEMENT NUMBER	KEYING POSITION (DEGREES FROM NORMAL POSITION)			
	W	X	Y	Z
28-10	80	110	250	280
28-11	80	110	250	280
28-12	90	180	270	—
t 28-15	80	110	250	280
t 28-16	80	110	250	280
28-17	80	110	250	280
28-18	70	145	215	290
28-19	80	110	250	280
28-20	80	110	250	280
28-21	80	110	250	280
28-22	70	145	215	290
32-1	80	110	250	280
32-2	70	145	215	290
32-3	80	110	250	280
t 32-4	80	110	250	280
t 32-5	35	110	250	325
32-6	80	110	250	280
32-7	80	125	235	280
t 32-8	80	125	235	280
32-9	80	110	250	280
t 32-10	80	110	250	280
t 32-12	80	110	250	280
32-13	80	110	250	280
32-15	35	110	250	280
32-17	45	110	250	—
32-73	36	—	—	—
t 36-1	80	110	250	280
36-3	70	145	215	290
t 36-4	70	145	215	290
36-5	—	120	240	—
36-6	35	110	250	325
36-7	80	110	250	280
36-8	80	110	250	280
36-9	80	125	235	280
36-10	80	125	235	280
t 36-13	80	110	250	280
t 36-14	90	180	270	—
36-15	60	125	245	305
36-52	72	144	216	288
40-1	65	130	235	300
40-9	65	125	225	310
40-56	72	144	216	288
44-52	72	135	225	288
t 48-62	72	144	216	288

t = Not applicable to Mil-C-22992.

INSERT ARRANGEMENTS

Layouts

RHIMCO
INDUSTRIES, INC.

All views are looking into front of Pin Insert or rear of Socket Insert in normal position.
t = NOT APPLICABLE TO MIL-C-22992

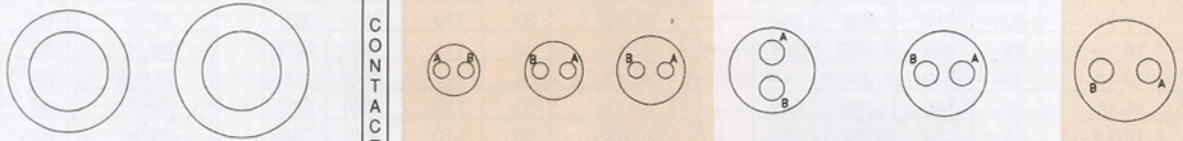
1
CONTACT



INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

^t 8S-1	^t 10S-2	12-5	14-3	16-2	16-12	18-6	18-7	18-16
1	1	1	1	1	1	1	1	1
16	16	12	8	12	4	4	8	12

2
CONTACTS

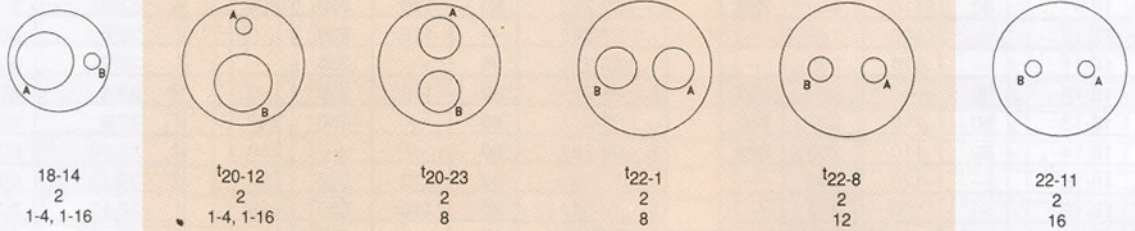


INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

20-2	22-7	^t 10SL-4	^t 12S-3	^t 14S-9	16-11	16-13	^t 18-3
1	1	2	2	2	2	2	2
0	0	16	16	16	12	12	12

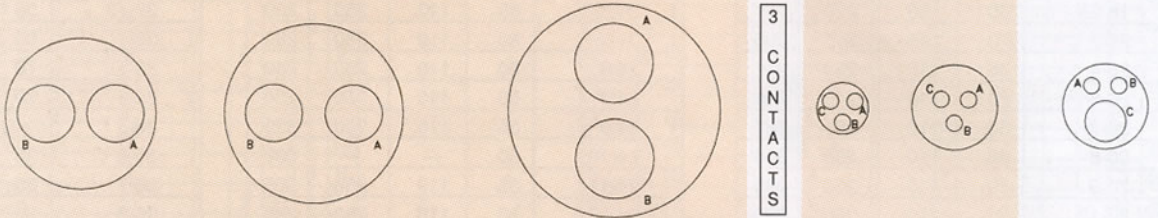
2;A=IRON;B=CONSTANTAN

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:



18-14	^t 20-12	^t 20-23	^t 22-1	^t 22-8	22-11
2	2	2	2	2	2
1-4, 1-16	1-4, 1-16	8	8	12	16

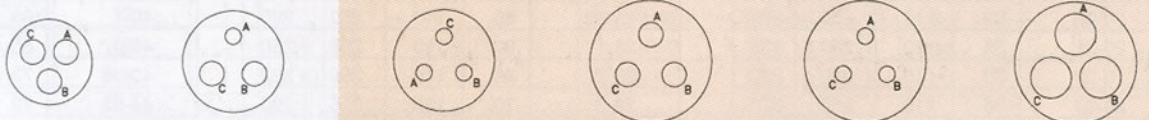
3
CONTACTS



INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

^t 24-9	^t 28-7	^t 32-5	^t 10SL-3	^t 16S-6	16-7
2	2	2	3	3	3
4	4	0	16	16	1-8, 2-16

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:



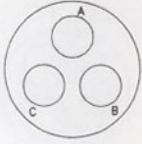
16-10	18-5	^t 18-22	^t 20-3	^t 20-6	^t 20-19
3	3	3	3	3	3
12	2-12, 1-16	16	12	16	8

INSERT ARRANGEMENTS

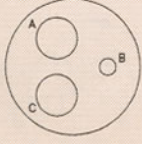
Layouts

All views are looking into front of Pin Insert or rear of Socket Insert in normal position.
t = NOT APPLICABLE TO MIL-C-22992

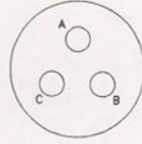
3 CONTACTS



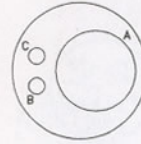
22-2
3
8



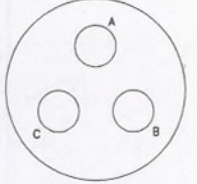
t22-6
3
2-8, 1-16



22-9
3
12



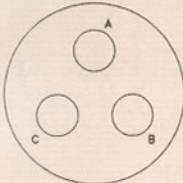
22-21
3
1-0, 2-16



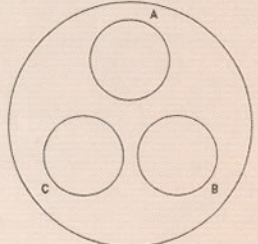
28-3
3
8

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

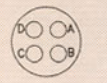


t28-6
3
4



t36-4
3
0

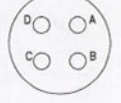
4 CONTACTS



t14S-2
4
16



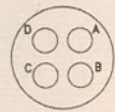
16-9
4
2-12, 2-16



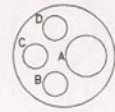
18-4
4
16

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

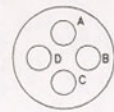
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:



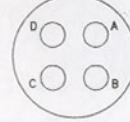
t18-10
4
12



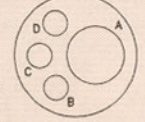
18-13
4
1-8, 3-12



18-15
4; A, C=Iron; B, D=Constantan
12



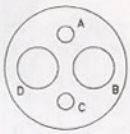
20-4
4
12



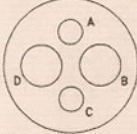
t20-20
4
1-4, 3-12

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

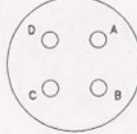
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:



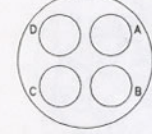
20-24
4
2-8, 2-16



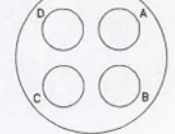
t22-4
4
2-8, 2-12



22-10
4
16



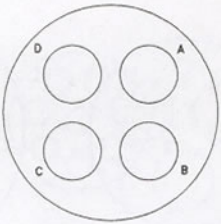
22-22
4
8



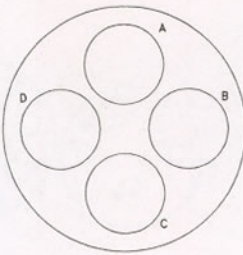
24-22
4
8

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

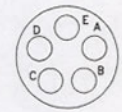


32-17
4
4

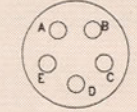


36-5
4
0

5 CONTACTS



18-11
5
12



t18-20
5
16

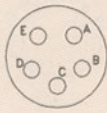
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

INSERT ARRANGEMENTS

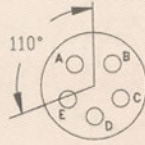
Layouts

All views are looking into front of Pin Insert or rear of Socket Insert in normal position.
t = NOT APPLICABLE TO MIL-C-22992

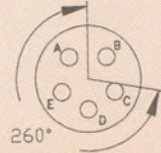
5 CONTACTS



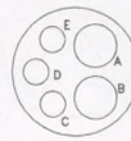
t18-29
5
16



110° ROTATION
of 18-20
t18-30
5
16



260° ROTATION
of 18-20
t18-31
5
16

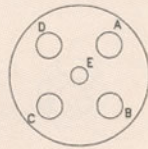


20-14
5
2-8, 3-12

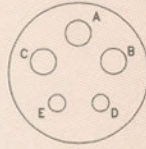


22-12
5
2-8, 3-16

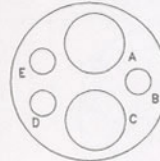
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:



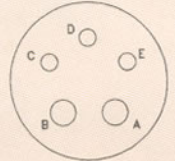
t22-13
5
4-12, 1-16



t22-34
5
3-12, 2-16

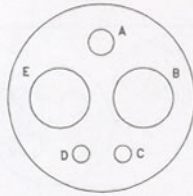


24-12
5
2-4, 3-12

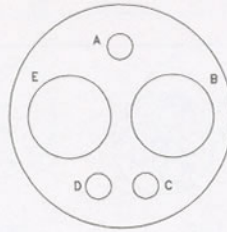


t24-17
5
2-12, 3-16

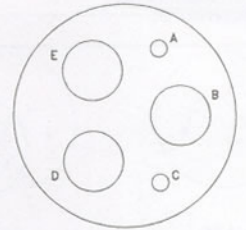
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:



28-5
5
2-4, 1-12, 2-16



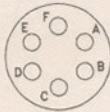
32-1
5
2-0, 3-12



32-2
5
3-4, 2-16

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

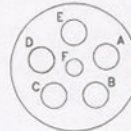
6 CONTACTS



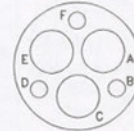
t18-12
6
16



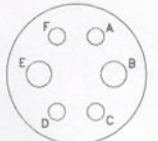
20-8
6
2-8, 4-16



20-17
6
5-12, 1-16

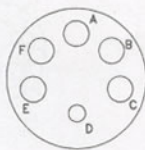


20-22
6
3-8, 3-16

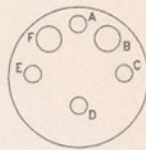


22-5
6
2-12, 4-16

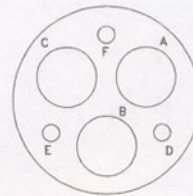
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:



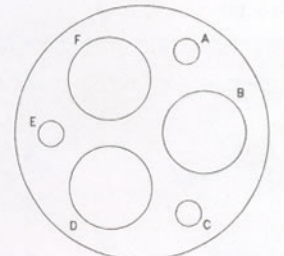
22-15
6
5-12, 1-16



t22-24
6
2-12, 4-16



28-22
6
3-4, 3-16



36-3
6
3-0, 3-12

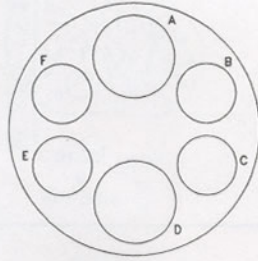
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

INSERT ARRANGEMENTS

Layouts

RHMCO
INDUSTRIES, INC.

All views are looking into front of Pin Insert or rear of Socket Insert in normal position.
t = NOT APPLICABLE TO MIL-C-22992



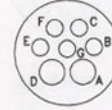
7
C
O
N
T
A
C
T
S

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

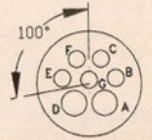
36-6
6
2-0, 4-4



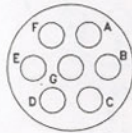
t16S-1
7
16



18-9
7
2-12, 5-16

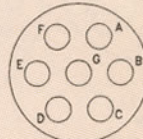


100° ROTATION
OF 18-9
t18-17
7
2-12, 5-16

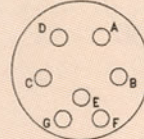


INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

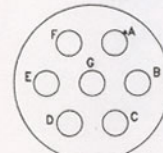
20-15
7
12



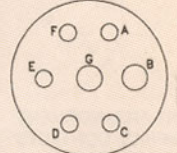
t22-28
7
12



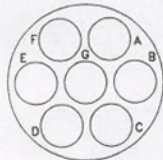
t22-33
7
16



24-2
7
12

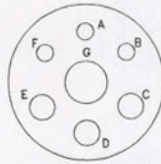


t24-3
7
2-12, 5-16

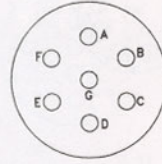


INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

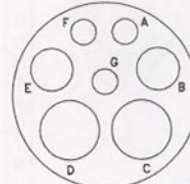
24-10
7
8



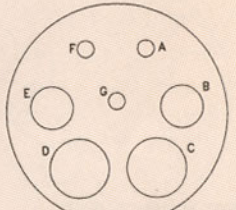
24-16
7
1-8, 3-12, 3-16



24-27
7
16

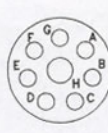


28-10
7
2-4, 2-8, 3-12



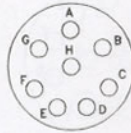
t32-10
7
2-4, 2-8, 3-16

8
C
O
N
T
A
C
T
S

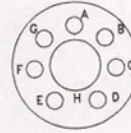


INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

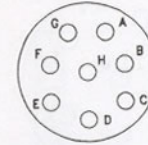
18-8
8
1-12, 7-16



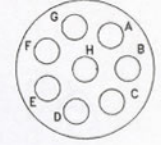
20-7
8
16



20-9
8
1-12, 7-16



22-18
8
16

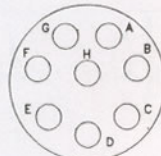


22-23
8
12

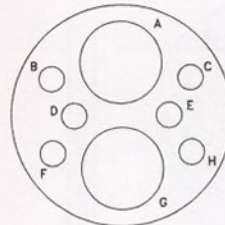


INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

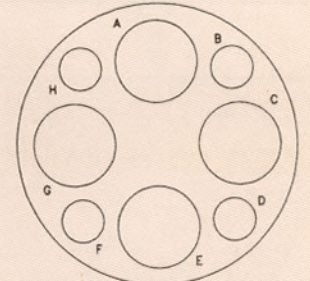
22-36
A,C,E,G - IRON
B,D,F,H - CONSTANTAN
12



24-6
8
12



32-15
8
2-0, 6-12



t40-ADS
8
4-0, 4-8

INSERT ARRANGEMENTS

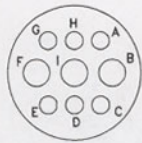
Layouts

All views are looking into front of Pin Insert or rear of Socket Insert in normal position.
t = NOT APPLICABLE TO MIL-C-22992

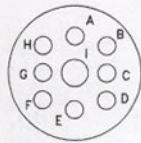
9
C
O
N
T
A
C
T
S



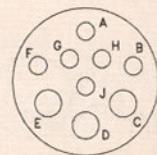
20-16
9
2-12, 7-16



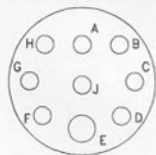
20-18
9
3-12, 6-16



20-21
9
1-12, 8-16

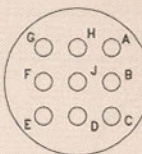


t22-16
9
3-12, 6-16

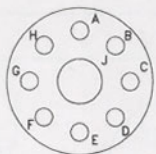


22-17
9
1-12, 8-16

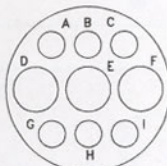
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:



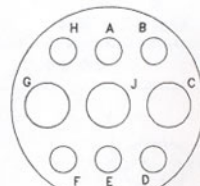
t22-20
9
16



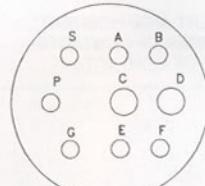
22-27
9
1-8, 8-16



24-11
9
3-8, 6-12

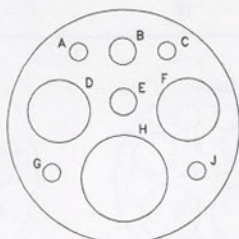


28-1
9
3-8, 6-12



28-4
9
2-12, 7-16

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

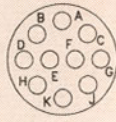


32-3
9
1-0, 2-4, 2-12, 4-16

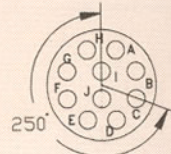
10
C
O
N
T
A
C
T
S



18-1
10
16



t18-19
10
16

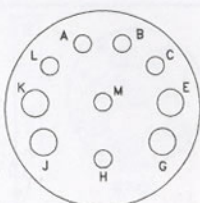


250° ROTATION
OF 18-1
t18-24
10
16



24-21
10
1-8, 9-16

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

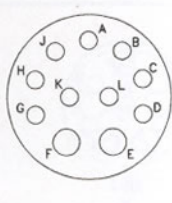


28-19
10
4-12, 6-16

11
C
O
N
T
A
C
T
S

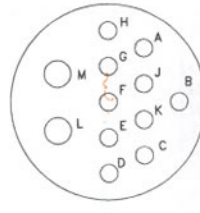


20-33
11
16

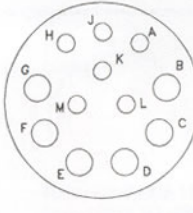


24-20
11
2-12, 9-16

12
C
O
N
T
A
C
T
S

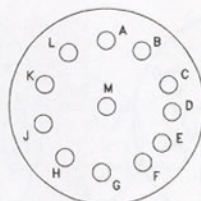


28-8
12
2-12, 10-16



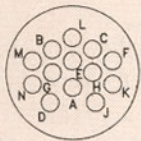
28-9
12
6-12, 6-16

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

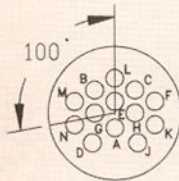


28-18
12
16

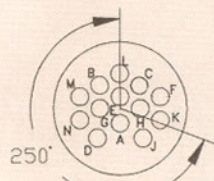
13
C
O
N
T
A
C
T
S



t20-11
13
16



100° ROTATION
OF 20-11
t20-25
13
16



250° ROTATION
OF 20-11
t20-30
13
16

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

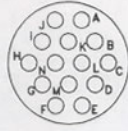
INSERT ARRANGEMENTS

Layouts

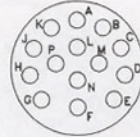
RHMCO
INDUSTRIES, INC.

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t = NOT APPLICABLE TO MIL-C-22992

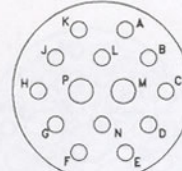
1
4
C
O
N
T
A
C
T
S



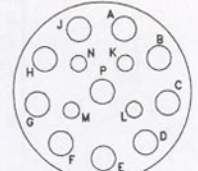
20-27
14
16



22-19
14
16

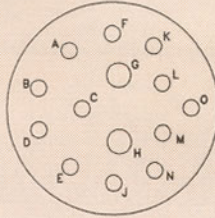


28-2
14
2-12, 12-16

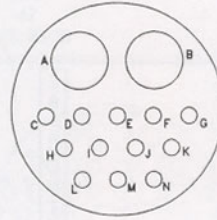


28-20
14
10-12, 4-16

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

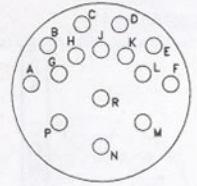


t32-4
14
2-12, 12-16



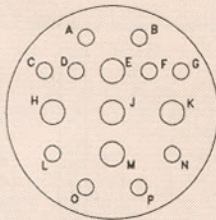
32-9
14
2-4, 12-16

1
5
C
O
N
T
A
C
T
S



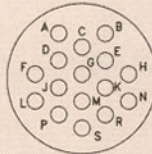
28-17
15
16

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

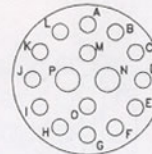


t32-12
15
5-12, 10-16

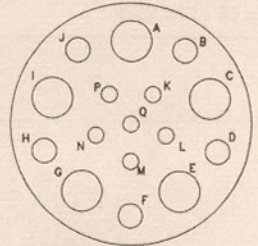
1
6
C
O
N
T
A
C
T
S



t24-5
16
16



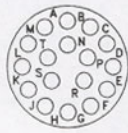
24-7
16
2-12, 14-16



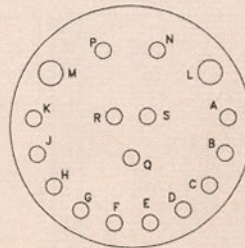
t36-14
16
5-8, 5-12, 6-16

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

1
7
C
O
N
T
A
C
T
S

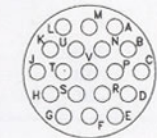


20-29
17
16



t36-13
17
2-12, 15-16

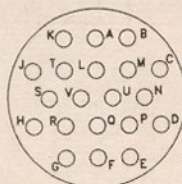
1
9
C
O
N
T
A
C
T
S



22-14
19
16

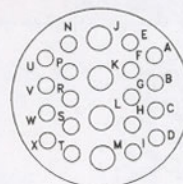
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

2
0
C
O
N
T
A
C
T
S

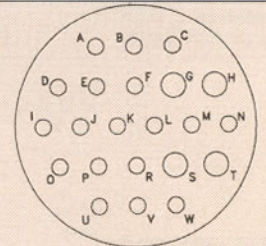


t28-16
20
16

2
2
C
O
N
T
A
C
T
S



28-11
22
4-12, 18-16



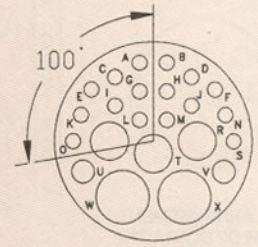
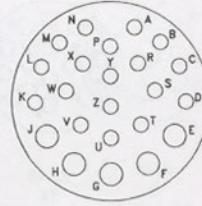
t36-1
22
4-12, 18-16

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

INSERT ARRANGEMENTS Layouts

All views are looking into front of Pin Insert or rear of Socket Insert in normal position.
t = NOT APPLICABLE TO MIL-C-22992

2
3
C
O
N
T
A
C
T
S



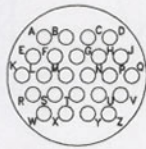
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

32-6
23
2-4, 3-8, 2-12, 16-16

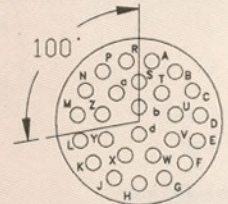
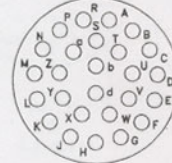
32-13
23
5-12, 8-16

100° ROTATION
OF 32-6
t32-16
23
2-4, 3-8, 2-12, 16-16

2
4
C
O
N
T
A
C
T
S



2
6
C
O
N
T
A
C
T
S



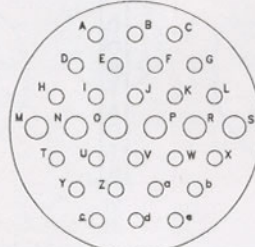
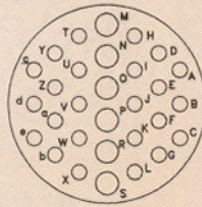
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

24-28
24
16

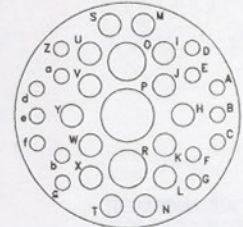
28-12
26
16

100° ROTATION OF 28-12
t28-13
26
16

3
0
C
O
N
T
A
C
T
S



3
1
C
O
N
T
A
C
T
S

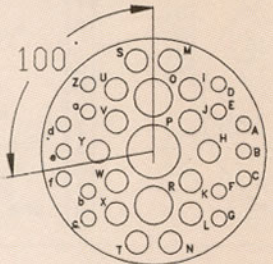


INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

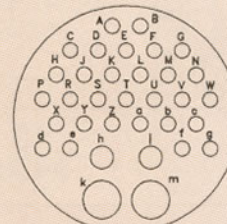
t32-8
30
6-12, 24-16

40-1
30
6-12, 24-16

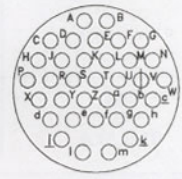
36-9
31
1-4, 2-8, 14-12, 14-16



3
4
C
O
N
T
A
C
T
S



3
5
C
O
N
T
A
C
T
S

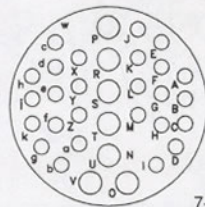


INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

100° OF ROTATION OF 36-9
t36-18
31
1-4, 2-8, 14-12, 14-16

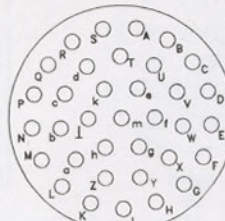
t36-20
34
2-8, 2-12, 30-16

28-15
35
16



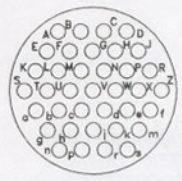
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

32-7
35
7-12, 28-16



36-15
35
16

3
7
C
O
N
T
A
C
T
S



28-21
37
16

INSERT ARRANGEMENTS

Layouts

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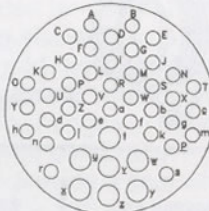
4
6
C
O
N
T
A
C
T
S



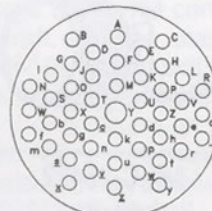
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

32-73
46
16

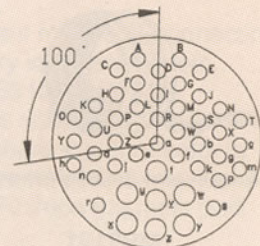
4
7
C
O
N
T
A
C
T
S



36-7
47
7-12, 40-16



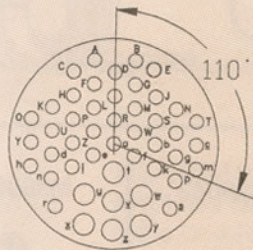
36-8
47
1-12, 46-16



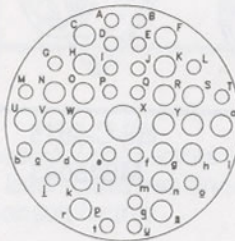
100° ROTATION OF 36-7
t36-16
47
7-12, 40-16

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

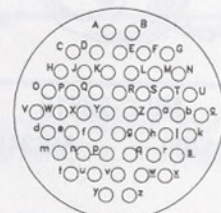
110° ROTATION OF 36-7
t36-17
47
7-12, 40-16



40-9
47
1-8, 22-12, 24-16



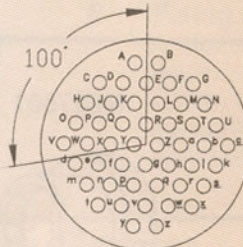
4
8
C
O
N
T
A
C
T
S



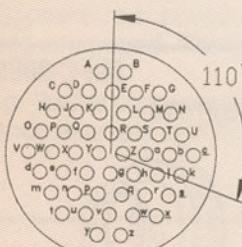
36-10
48
16

INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

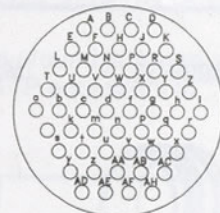
100° ROTATION OF 36-10
t36-11
48
16



110° ROTATION OF 36-10
t36-12
48
16

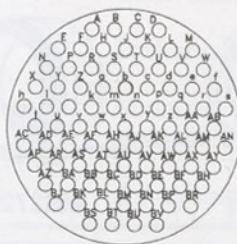


5
2
C
O
N
T
A
C
T
S



36-52
52
16

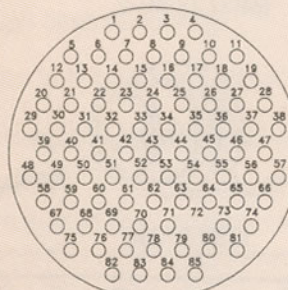
8
5
C
O
N
T
A
C
T
S



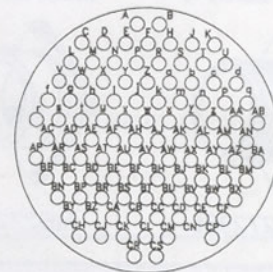
INSERT ARRANGEMENT:
NUMBER OF CONTACTS:
SIZE OF CONTACTS:

40-56
85
16

1
0
4
C
O
N
T
A
C
T
S



t48-62
85
16

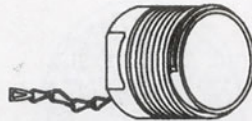


44-52
104
16

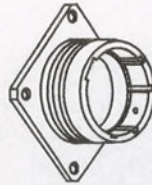
MS90563
CLASS L



MS90564
CLASS L



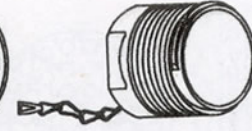
Mil-C-22992
MS18062



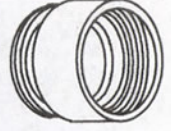
MS17349



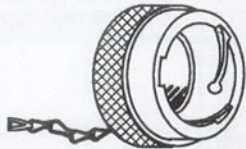
MS17350



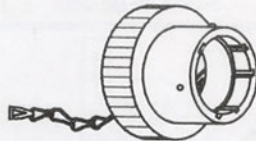
M85049/59
MS90568t



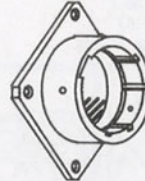
MS3181
(M83723/44)



Mil-C-26482
MS3180
(M83723/46)



MS3115



Mil-C-81703

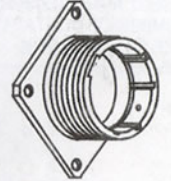
MS3135



MS3183



MIL-C-28840
M28840/7

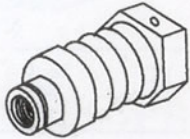


Mil-C-28518

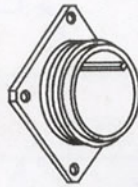
MS24700



MS24695

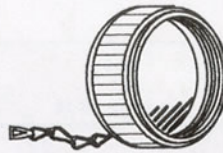


MS3105

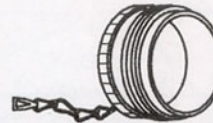


Mil-C-5015

MS25043

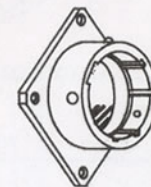


MS25042

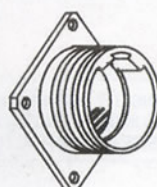


MIL-C-38999

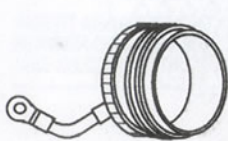
M38999/10



M38999/22*



M38999/32

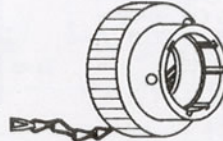


M38999/33



Mil-C-38999

MS27510



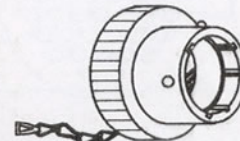
MS27351t

MS27511



MS27353t

MS27501



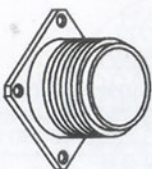
MS20048t

MS27502



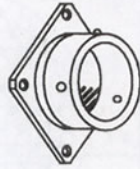
MS20047t

M83723/61-1



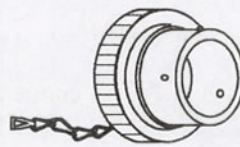
MS27296t

M83723/61-2



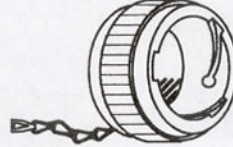
MS27297t

M83723/59-2



MS27293t

M83723/60-2



MS27294t

M83723/59-1



MS27292t

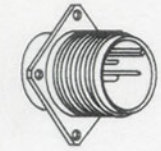
M83723/60-1



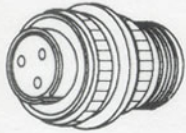
MS27295t

* - PENDING t = SUPERCEDED () = INACTIVE

Specification MIL-C-5015, provides for several designations of connectors to meet different requirements. These designations and general descriptions are as follows:



"A" Solid Shell. Intended for general utility usage to provide convenient means of connecting and disconnecting electrical circuits in aircraft, vehicles, stationary installations, etc. Rhimco example part number: MTMSA018-10S equivalent to MS3100A-18-10S.

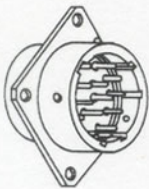


"R" Environmental Resisting. Intended for use where the connector is subjected to heavy moisture and rapid changes in temperature or pressure and/or where the connector is subjected to extreme conditions. Furnished with a wire sealing grommet and interfacial seal in the plug to provide a seal when mated to the receptacle. Rhimco example part number: MTMSR018-10S equivalent to MS3100R-18-10S.

"F" Environmental Resisting. These connectors have all the same features as the "R" type connectors with the exception of class "F" connectors are supplied with saddle bars and screws for extra cable support. Rhimco example part number: MTMSF018-10S equivalent to MS3100F-18-10S.

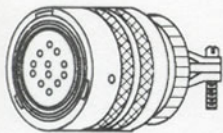
MIL-C-26482

The MTPT miniature electrical connectors are available in six service classes, four of which are listed below. Each class has one or more means of terminating or supporting a cable or wire bundle. Consult factory.



"A" General Duty. Supplied with a back shell for conduit attachment and solder well protection. Rhimco example part number: MTPTA018-11P equivalent to MS3110A-18-11P

"E" Environment resisting. Equipped with multiholed grommet and follower for moisture proofing single conductor open wires. Rhimco example part number: MTPTE618-11P equivalent to MS3116E-18-11P

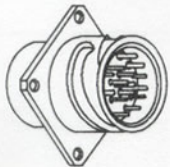


"P" Potting Applications. Connectors supplied with a translucent nylon boot for retention of customer applied potting compound. Rhimco example part number: MTPTP118-11P equivalent to MS3111P-18-11P

"W" Cable moistureproofing. Radial compression of neoprene gland around jacketed, multi-conductor cables. Rhimco example part number: MTPTW618-11P equivalent to MS3116W-18-11P

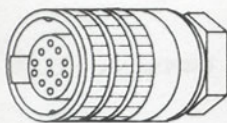
MIL-C-19572(SHIPS) Discontinued

Use **MT-RC-888**



These connectors are intended for use where the connector will be subject to condensation and changes in temperature, and where the connector is subject to extreme conditions. The Rhimco MTRC series of electrical connectors offers:

- * Quick disconnect through bayonet locking
- * Environmental protection to MIL-C-5015, class C
- * About 1/3 the size and weight of standard MS connectors with the same number of contacts
- * O-ring seals are used in both plugs and receptacles



This information is intended to illustrate and briefly describe a few series in Rhimco's connector product line. All connectors are designed and produced in accordance with engineering, manufacturing, and quality requirements, and are backed by the reputation and expertise of Rhimco Industries, Incorporated. Each type of connector is available in a variety of configurations.

Detailed information concerning any particular connector type may be available upon request through our sales department. To obtain a sales drawing, or for further information regarding electrical connectors, contact Rhimco Industries, Inc.



RHIMCO

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