

JT VG CONNECTORS TABLE OF CONTENTS

PAGE 2 - 4	OVERVIEW
PAGE 5	HOW TO ORDER
PAGE 6	SPECIFICATION
PAGE 7 - 17	RECEPTACLE CONNECTOR SERIES
PAGE 18 - 28	PLUG CONNECTOR SERIES
PAGE 29 - 35	ACCESSORIES
PAGE 35 - 36	CONTACTS
PAGE 37	CRIMP TOOLS
PAGE 38	PANEL MOUNT
PAGE 39 - 48	INSERT ARRANGEMENT CHARTS
PAGE 49 - 58	INSERT ARRANGEMENT PATTERNS

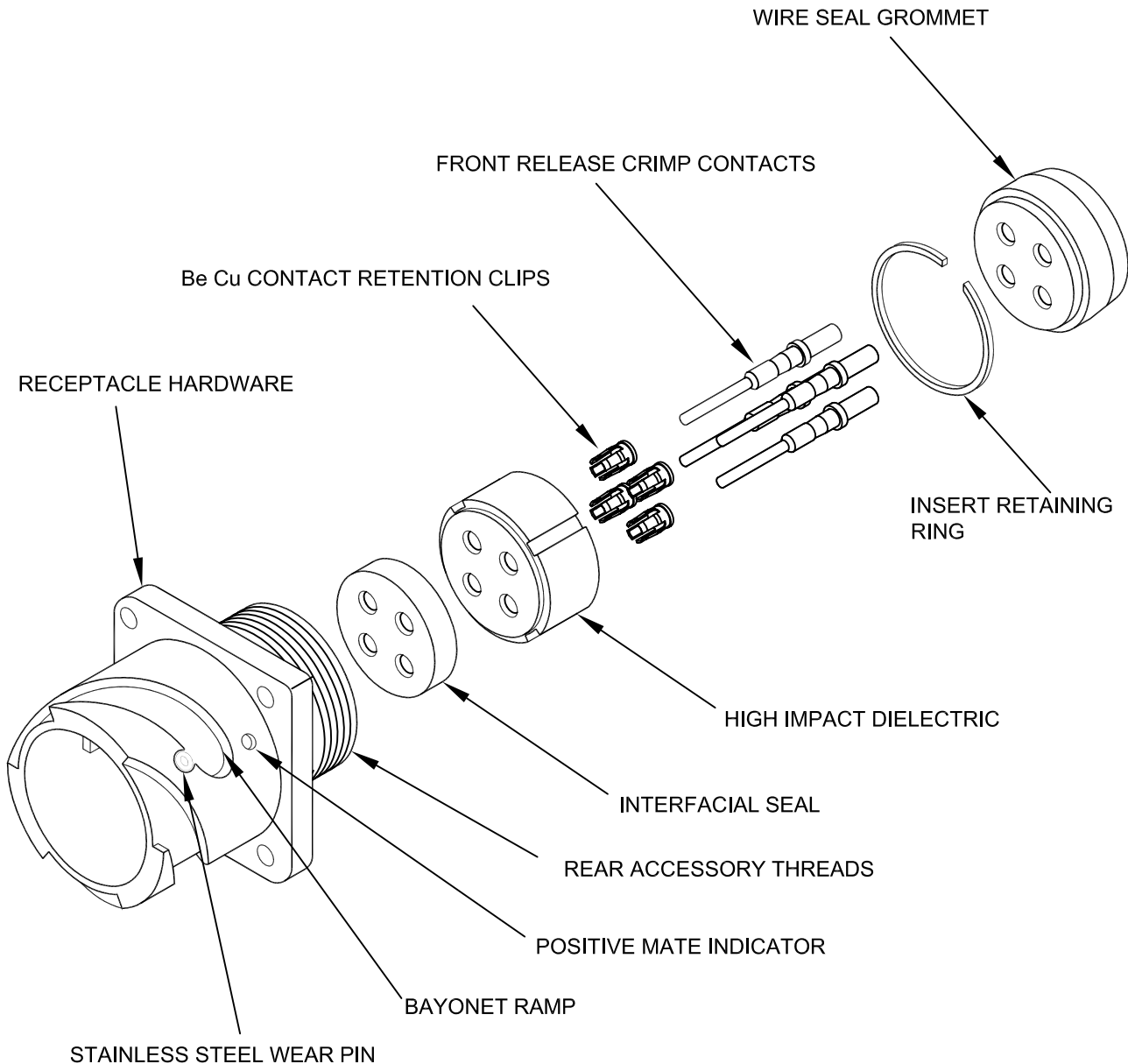
THE JT VG SERIES OF CONNECTORS COMBINES THE BEST FEATURES OF THE CONNECTORS MANUFACTURED TO THE VG 95234 AND MIL-C-5015G FRONT RELEASE SPECIFICATION. THE CONNECTORS HAVE QUICK DISCONNECT 1/3 TURN COUPLING AND THE RUGGEDNESS OF THE FRONT RELEASE VERSION OF MIL-C-5015G CONTACT SYSTEM.

FEATURES

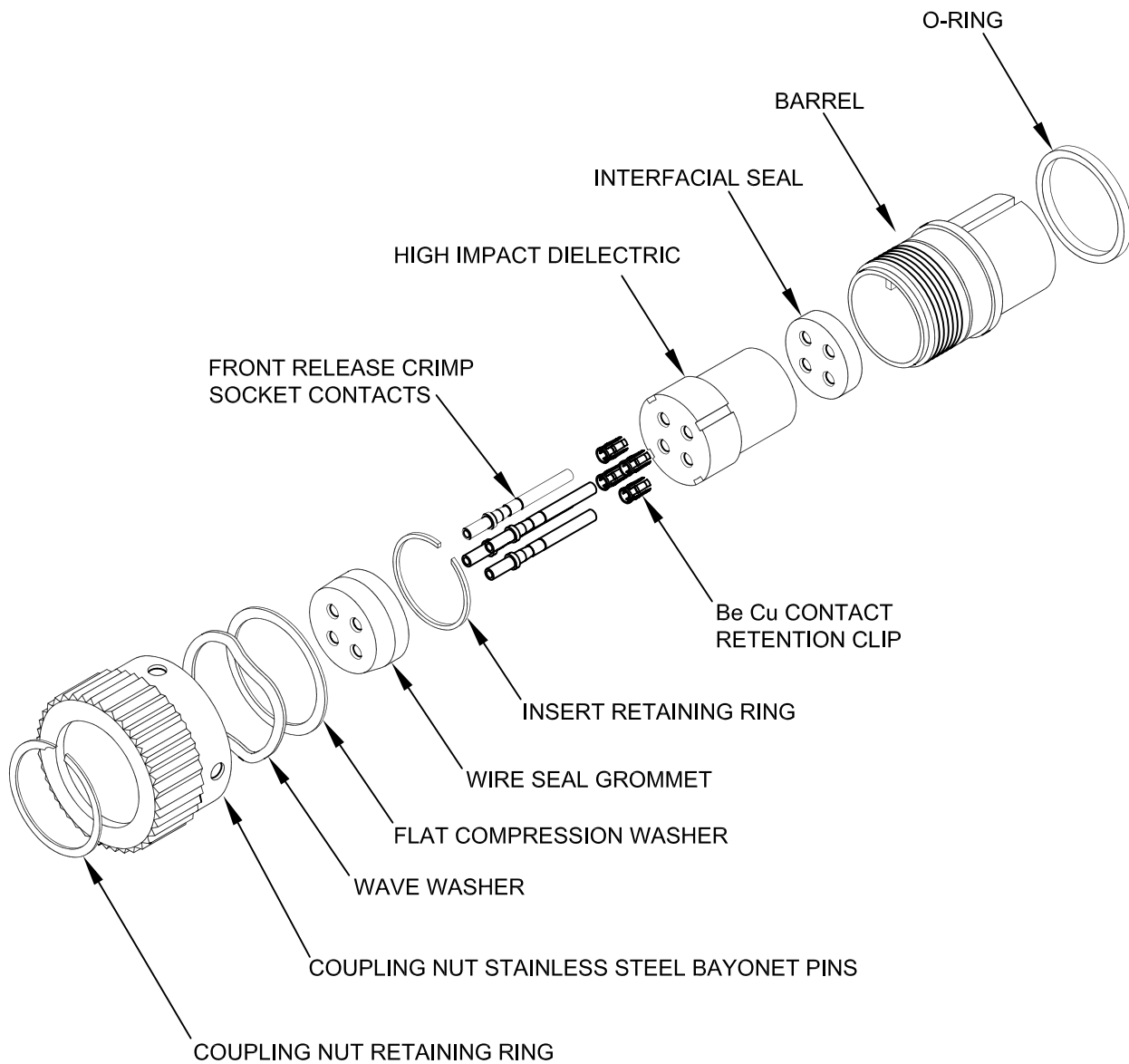
- > BERYLLIUM COPPER CONTACT RETENTION SYSTEM (CLIP) HOLDS THE CONTACTS IN THE CAVITY AND WILL NOT ALLOW THEM TO WALK OUT UNDER SEVERE VIBRATION OR BREAK UNDER HIGH IMPACT SHOCK
- > CONTACT CAN BE RELEASED FROM THE FRONT OF THE CONNECTOR FOR EASE OF ASSEMBLY AND REPAIR IN THE FIELD
- > CONTACT RETENTION MECHANISM ALLOWS CONTACTS TO BE REMOVED 100 TIMES MINIMUM WITHOUT DAMAGING ANY OTHER PART OF THE CONNECTOR
- > QUICK DISCONNECT COUPLING MECHANISM (1/3 TURN) RAPID ON/OFF
- > STAINLESS STEEL WEAR PIN PREVENTS RAMP WEAR FROM EXCESSIVE MATINGS AND UNMATINGS
- > YELLOW MARKING ON COUPLING NUT AND BARREL GIVES VISUAL POSITIVE MATE INDICATION
- > AUDIBLE SOUND WHEN THE COUPLING NUT IS FULLY SEATED GIVES POSITIVE MATE INDICATION FOR BLIND MATE APPLICATIONS
- > TACTILE FEEL WHEN THE COUPLING NUT IS FULLY SEATED GIVES POSITIVE MATE INDICATION FROM BLIND MATE APPLICATIONS
- > COUPLING NUT RETAINED TO BARREL WITH A STAINLESS STEEL RETAINING RING
- > CONNECTORS AVAILABLE IN FULL ENVIRONMENTAL VERSION EVEN WITHOUT REAR ACCESSORY HARDWARE BECAUSE OF TRIPLE REDUNDANT WIRE SEAL GROMMET SUPPLIED WITH ALL VE CLASS CODES
- > CAN BE WATERPROOF UP TO 6 FEET IMMERSION FOR 48 HOURS
- > SILICONE ELASTOMERS RESISTANT TO FLUIDS SUCH AS HYDRAULIC FLUIDS, LUBRICATING OILS AND SOME FUELS (OTHER ELASTOMERS AVAILABLE, CONSULT FACTORY)
- > CRIMP TERMINATION ENHANCES CONTACT PERFORMANCE, WITHSTANDS SEVERE VIBRATION WITH NO INTERMITTENCES
- > CORROSION RESISTANT IN CONDUCTIVE FINISH IN EXCESS OF 1,000 HOURS
- > CORROSION RESISTANT IN A NON CONDUCTIVE FINISH IN EXCESS OF 10,000 HOURS

J-TECH CONSTRUCTION GIVES THE JTVG CONNECTOR SERIES THE ABILITY TO WITHSTAND HIGH IMPACT SHOCK AND HIGH VIBRATION ENVIRONMENTS. THE MACHINED BERYLLIUM COPPER CONTACT RETENTION CLIP AND FRONT RELEASE CONTACT SYSTEM MAKE THE CONNECTORS EASY TO ASSEMBLE AND REPAIR IN THE FIELD. ANTI-ROTATION TEETH ON H, J, K AND L STYLES.

RECEPTACLE CONNECTOR



PLUG CONNECTOR



J-TECH JTUG PLUG CONNECTOR WITH CLIP RETENTION SYSTEM, FRONT RELEASE CONTACTS AND WIRE SEAL GROMMETS, ANTI-ROTATION TEETH ON H, J, K AND L STYLE ONLY

ORDERING INFORMATION

JT 16 VG * B 16 - 10 P X MOD

J-TECH _____

SHELL STYLE _____

11	IN-LINE RECEPTACLE
12	RECEPTACLE BOX MOUNT
13	RECEPTACLE FRONT MOUNT
14	RECEPTACLE JAM NUT
15	RECEPTACLE REAR MOUNT
16	PLUG CONNECTOR
17	BULK HEAD FEED THRU
18	CONNECTOR ADAPTER
20	PLUG RUBBER COUPLING NUT
21	RECEPTACLE FOR 20

CLASS CODE _____

VG = NON-ENVIRONMENTAL
VE = ENVIRONMENTAL

MATERIAL & FINISH _____

OMIT = ALUMINUM, OD CAD PLATE
SEE MODIFICATION FOR OTHER OPTIONS

REAR ACCESSORY HARDWARE _____

BLANK	NO ACCESSORY HARDWARE
B	CABLE CLAMP
C	ENVIRONMENTAL CABLE CLAMP
D	SHRINK TUBE ADAPTER
F	STRAIGHT ENVIRONMENTAL BACKSHELL
H	HEAT SHRINK ADAPTER WITH SPIN COUPLING NUT
J	90° BACKSHELL
K	90° BACKSHELL WITH CABLE CLAMP
L	90° BACKSHELL W/ ENVIRONMENTAL CABLE CLAMP
M	STRAIGHT ENVIRN. BACKSHELL W/ CABLE GRIP
N	STRAIGHT CONDUIT ADAPTER W/ HEXAGON C/NUT
LB	STRAIGHT EMI/RFI BACKSHELL

SHELL SIZE _____

10SL, 14S, 16S, 16, 18, 20, 22, 24, 28, 32, 36, 40

INSERT ARRANGEMENTS _____

SEE PAGES 48 TO 55 FOR INSULATIONS & CODES

CONTACT TYPE _____

P = PIN (16-16, 12-12, 8-8, 4-4, 0-0)
S = SOCKET (16-16, 12-12, 8-8, 4-4, 0-0)
D = PIN (16-22, 12-16)
E = SOCKET (16-22, 12-16)

ALTERNATE POSITION (POLARIZATION) _____

BLANK (NORMALLY), W, X, Y, Z
SEE PAGES 39 TO 48 FOR INSERT ARRANGEMENTS

MODIFICATION

- M01 = THREADED MOUNTING HOLE (METRIC)
 - M02 = PLUG W/ FLANGE
 - M03 = OVERSIZED FLANGE
 - M04 = DIAMOND FLANGE WITH 4 HOLES
 - M05 = IN LINE RECEPTACLE 2 WRENCH FLATS
 - M06 = PLUG W/ EXTENDED C/NUT
 - M07 = FLANGE W/ COUNTERBORED HOLES
 - M08 = THREADED MOUNTING HOLE (ENGLISH)
 - M09 = C/NUT W/DEEP KNURL
 - M10 = LONG GROMMET W/ SILVER PLATED CONTACTS
 - M11 = OVERSIZED MOUNTING HOLES
 - M12 = COUNTERSUNK MOUNTING HOLES
 - M13 = FLUOROSILICONE ELASTOMER
 - M14 = NEOPRENE ELASTOMER
 - C01 = GOLD PLATED CONTACTS W/ LONG GROMMET (SIZE 18-40)
 - C02 = 0806 CONTACTS
 - C03 = SOLDER CUP CONTACTS
 - C04 = GOLD PLATED CONTACTS
- (OTHER OPTIONS AVAILABLE CONSULT FACTORY)

ORDERING INFORMATION

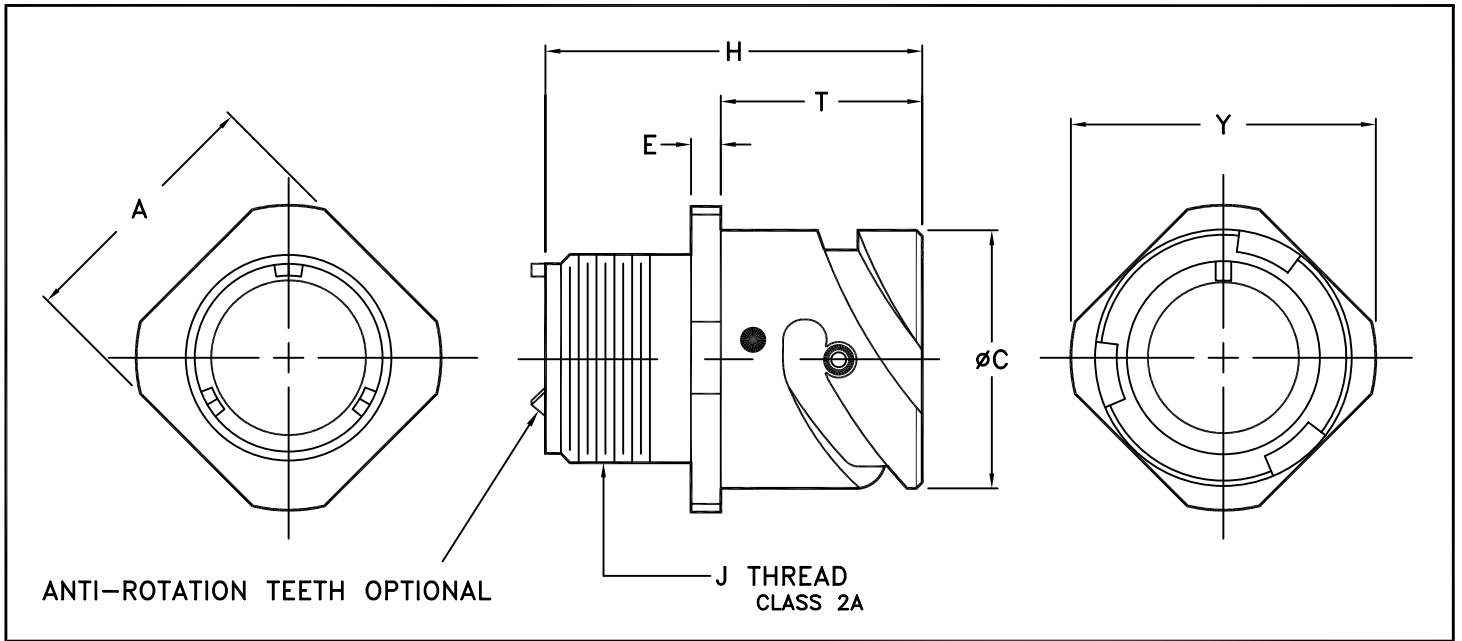
SHELL	ALUMINUM PER QQ-A-225 (STAINLESS STEEL AND BRASS ARE AVAILABLE CONSULT THE FACTORY)
SHELL PLATING	OLIVE DRAB CADMIUM OVER NICKEL (OTHER FINISHES ARE AVAILABLE CONSULT THE FACTORY)
BAYONET PINS	STAINLESS STEEL PER ASTM A 581 OR ASTM A 582
WEAR PINS	STAINLESS STEEL PER ASTM A 581 OR ASTM A 582
ELASTOMER	SILICONE (FLUOROSILICONE OR OTHERS ARE AVAILABLE CONSULT THE FACTORY)
CONTACT RETENTION	BERYLLIUM COPPER MACHINED CLIP
CONTACTS	PIN COPPER ALLOY SOCKET COPPER ALLOY W/ STAINLESS STEEL HOOD
CONTACT PLATING	SILVER (OTHER OPTIONS ARE AVAILABLE CONSULT THE FACTORY)

GENERAL SPECIFICATIONS

AMBIENT TEMPERATURE	-55° / 125° C (67° / 260°F)
VIBRATION	200M/S ² AT 10 TO 2000 Hz
MATING CYCLES (CONTACTS)	500 CYCLES MINIMUM
MATING CYCLES (HARDWARE)	2,000 CYCLES MINIMUM

SEPARATION FOR PER VG 95234

SHELL SIZE	COUPLING		UNCOUPLING	
	KgCm	In. Lbs	KgCm	In. Lbs
10SL	13.8	12.0	1.15	1.0
14S	23.0	20.0	3.50	3.0
16S	27.6	23.9	4.60	4.0
16	27.6	23.9	4.60	4.0
18	32.2	27.9	5.75	4.9
20	36.8	31.9	6.90	5.9
22	41.4	35.9	8.00	6.9
24	50.6	43.9	8.00	6.9
28	60.0	52.0	9.20	8.0
32	75.0	65.0	10.30	8.9
36	85.0	73.7	10.30	8.9
40	85.0	73.7	15.00	13.0



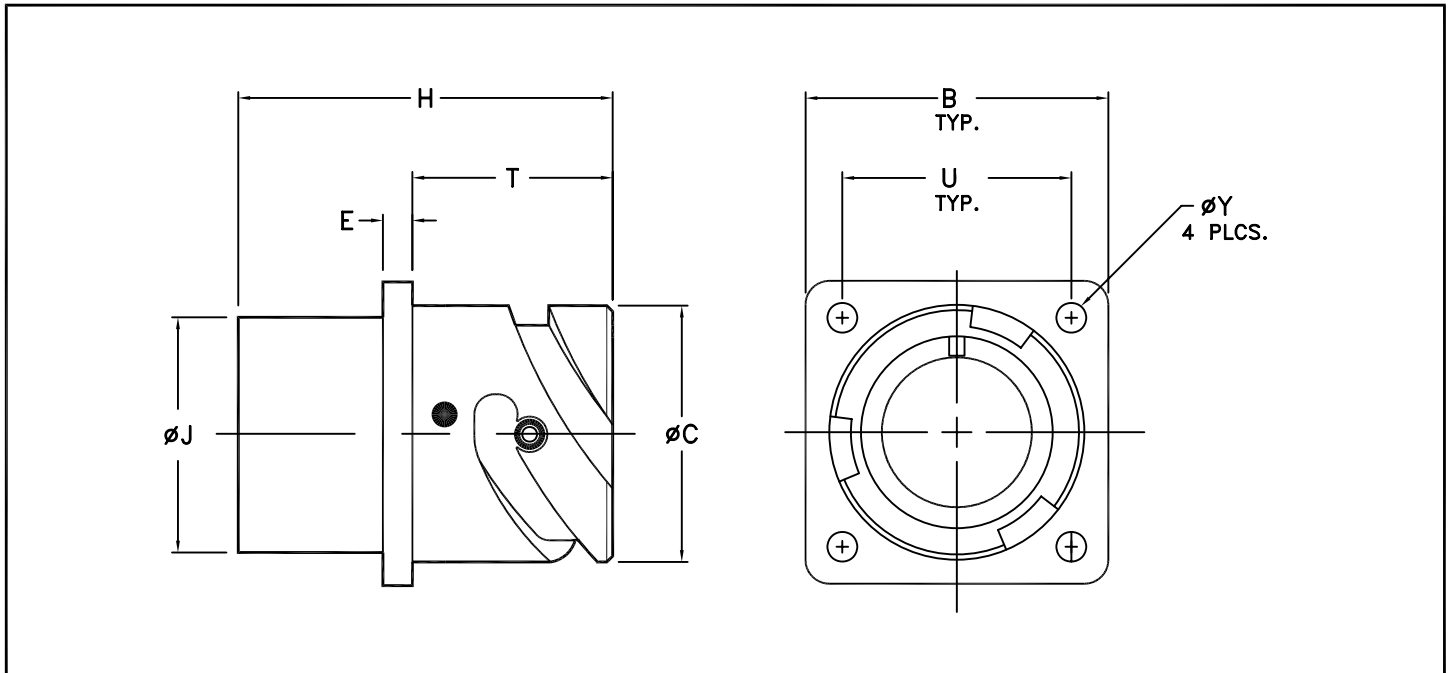
SHELL SIZE	J THREAD CLASS 2A	A ±0.20 (±.008)	Y MAX.	T +0.40/-0.00 (+.016/- .000)	E ±0.20 (±.008)	øC +0.00/-0.15 (+.000/- .006)	H *1 REF
10SL	.625-24 UNEF	20.60 (0.811)	25.20 (0.992)	14.20 (0.559)	2.80 (0.110)	18.20 (0.717)	38.10 (1.500)
14S	.750-20 UNEF	25.40 (1.000)	29.80 (1.173)	14.20 (0.559)	3.20 (0.126)	24.60 (0.969)	38.10 (1.500)
16S	.875-20 UNEF	28.60 (1.126)	32.30 (1.272)	14.20 (0.559)	3.20 (0.126)	27.40 (1.079)	38.10 (1.500)
16	.875-20 UNEF	28.60 (1.126)	32.30 (1.272)	19.00 (0.748)	3.20 (0.126)	27.40 (1.079)	43.18 (1.700)
18	1.000-20 UNEF	31.70 (1.248)	34.80 (1.370)	19.00 (0.748)	4.00 (0.157)	30.80 (1.213)	43.18 (1.700)
20	1.1875-18 UNEF	34.90 (1.374)	37.80 (1.488)	19.00 (0.748)	4.00 (0.157)	34.20 (1.346)	43.18 (1.700)
22	1.250-18 UNEF	38.10 (1.500)	41.10 (1.618)	19.00 (0.748)	4.00 (0.157)	37.40 (1.472)	43.18 (1.700)
24	1.4375-18 UNEF	41.30 (1.626)	44.60 (1.756)	20.60 (0.811)	4.00 (0.157)	40.90 (1.610)	43.18 (1.700)
28	1.625-18 UNEF	47.60 (1.874)	50.90 (2.004)	20.60 (0.811)	4.00 (0.157)	46.70 (1.839)	43.18 (1.700)
32	1.875-16 UN	54.00 (2.126)	57.10 (2.248)	22.20 (0.874)	4.00 (0.157)	53.40 (2.102)	43.94 (1.730)
36	2.0625-16 UN	60.60 (2.386)	63.60 (2.504)	22.20 (0.874)	4.00 (0.157)	59.60 (2.346)	43.94 (1.730)
40	2.312-16 UNS	66.50 (2.618)	70.00 (2.756)	22.20 (0.874)	4.00 (0.157)	65.50 (2.579)	43.94 (1.730)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

*1 ADD 11.13 (.438) FOR ARRANGEMENTS WITH SIZE "0" CONTACTS

*2 ADD 3.81 (.150) FOR JT*VE, ENVIRONMENTAL CONNECTORS SUPPLIED WITH SEAL GROMMET

3 THREAD ADAPTERS ARE SUPPLIED W/CONNECTORS WHEN USING REAR ACCESSORY HARDWARE FOR 22, 28, 32, 36, 40 SHELL SIZES

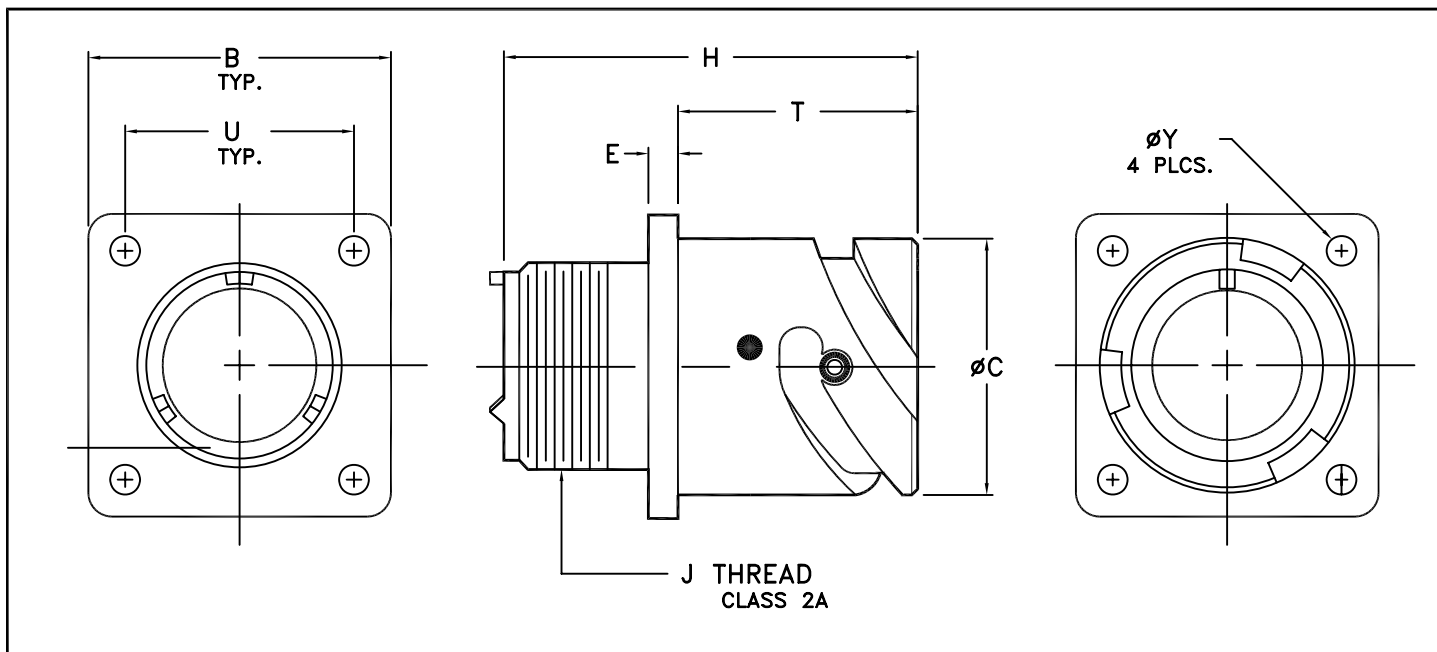


SHELL SIZE	B ±0.30 (±.012)	U ±0.10 (±.004)	øY +0.10/-0.00 (+.004/-0.000)	øJ REF.	T +0.40/-0.00 (+.016/-0.000)	E ±0.20 (±.008)	øC +0.00/-0.15 (+.000/-0.006)	H*1 REF
10SL	25.40 (1.000)	18.20 (0.717)	3.20 (0.126)	15.88 (0.625)	14.20 (0.559)	2.80 (0.110)	18.20 (0.717)	38.10 (1.500)
14S	30.00 (1.181)	23.00 (0.906)	3.20 (0.126)	19.05 (0.750)	14.20 (0.559)	3.20 (0.126)	24.60 (0.969)	38.10 (1.500)
16S	32.50 (1.279)	24.60 (0.969)	3.20 (0.126)	22.23 (0.875)	14.20 (0.559)	3.20 (0.126)	27.40 (1.079)	38.10 (1.500)
16	32.50 (1.279)	24.60 (0.969)	3.20 (0.126)	22.23 (0.875)	19.00 (0.748)	3.20 (0.126)	27.40 (1.079)	40.64 (1.600)
18	35.00 (1.378)	27.00 (1.063)	3.20 (0.126)	25.40 (1.000)	19.00 (0.748)	4.00 (0.157)	30.80 (1.213)	40.64 (1.600)
20	38.00 (1.496)	29.40 (1.157)	3.20 (0.126)	30.10 (1.185)	19.00 (0.748)	4.00 (0.157)	34.20 (1.346)	40.64 (1.600)
22	41.00 (1.614)	31.80 (1.252)	3.20 (0.126)	31.75 (1.250)	19.00 (0.748)	4.00 (0.157)	37.40 (1.472)	40.64 (1.600)
24	44.50 (1.752)	34.90 (1.374)	3.70 (0.146)	36.45 (1.435)	20.60 (0.811)	4.00 (0.157)	40.90 (1.610)	41.40 (1.630)
28	50.80 (2.000)	39.70 (1.563)	3.70 (0.146)	41.28 (1.625)	20.60 (0.811)	4.00 (0.157)	46.70 (1.839)	41.40 (1.630)
32	57.00 (2.244)	44.50 (1.752)	4.30 (0.169)	47.63 (1.875)	22.20 (0.874)	4.00 (0.157)	53.40 (2.102)	41.94 (1.730)
36	63.50 (2.500)	49.20 (1.937)	4.30 (0.169)	52.39 (2.063)	22.20 (0.874)	4.00 (0.157)	59.60 (2.346)	41.94 (1.730)
40	69.90 (2.752)	55.50 (2.185)	4.30 (0.169)	58.74 (2.313)	22.20 (0.874)	4.00 (0.157)	65.50 (2.579)	41.94 (1.730)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

*1 ADD 9.78 (.385) FOR ARRANGEMENTS WITH SIZE "0" CONTACTS

2 ADD 3.81 (.150) FOR JT*VE, ENVIRONMENTAL CONNECTORS SUPPLIED WITH SEAL GROMMET



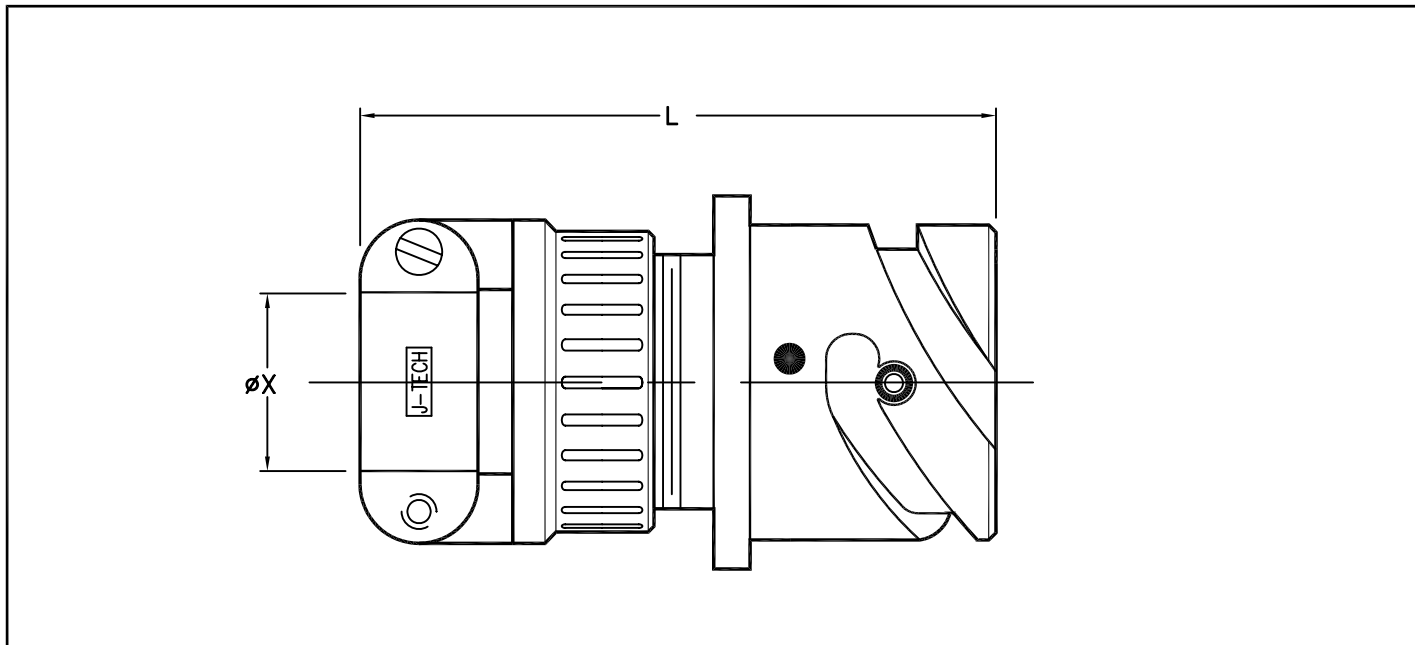
SHELL SIZE	B ±0.30 (±.012)	U ±0.10 (±.004)	øY +0.10/-0.00 (+.004/- .000)	J THREAD CLASS 2A	T +0.40/-0.00 (+.016/- .000)	E ±0.20 (±.008)	øC +0.00/-0.15 (+.000/- .006)	H *1/2 REF
10SL	25.40 (1.000)	18.20 (0.717)	3.20 (0.126)	.625-24 UNEF	14.20 (0.559)	2.80 (0.110)	18.20 (0.717)	38.10 (1.500)
14S	30.00 (1.181)	23.00 (0.906)	3.20 (0.126)	.750-20 UNEF	14.20 (0.559)	3.20 (0.126)	24.60 (0.969)	38.10 (1.500)
16S	32.50 (1.279)	24.60 (0.969)	3.20 (0.126)	.875-20 UNEF	14.20 (0.559)	3.20 (0.126)	27.40 (1.079)	38.10 (1.500)
16	32.50 (1.279)	24.60 (0.969)	3.20 (0.126)	.875-20 UNEF	19.00 (0.748)	3.20 (0.126)	27.40 (1.079)	40.64 (1.600)
18	35.00 (1.378)	27.00 (1.063)	3.20 (0.126)	1.000-20 UNEF	19.00 (0.748)	4.00 (0.157)	30.80 (1.213)	40.64 (1.600)
20	38.00 (1.496)	29.40 (1.157)	3.20 (0.126)	1.1875-18 UNEF	19.00 (0.748)	4.00 (0.157)	34.20 (1.346)	40.64 (1.600)
22	41.00 (1.614)	31.80 (1.252)	3.20 (0.126)	1.250-18 UNEF	19.00 (0.748)	4.00 (0.157)	37.40 (1.472)	40.64 (1.600)
24	44.50 (1.752)	34.90 (1.374)	3.70 (0.146)	1.4375-18 UNEF	20.60 (0.811)	4.00 (0.157)	40.90 (1.610)	41.40 (1.630)
28	50.80 (2.000)	39.70 (1.563)	3.70 (0.146)	1.625-18 UNEF	20.60 (0.811)	4.00 (0.157)	46.70 (1.839)	41.40 (1.630)
32	57.00 (2.244)	44.50 (1.752)	4.30 (0.169)	1.875-16 UN	22.20 (0.874)	4.00 (0.157)	53.40 (2.102)	43.94 (1.730)
36	63.50 (2.500)	49.20 (1.937)	4.30 (0.169)	2.0625-16 UN	22.20 (0.874)	4.00 (0.157)	59.60 (2.346)	43.94 (1.730)
40	69.90 (2.752)	55.50 (2.185)	4.30 (0.169)	2.3125-16 UNS	22.20 (0.874)	4.00 (0.157)	65.50 (2.579)	43.94 (1.730)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

*1 ADD 11.13 (.438) FOR ARRANGEMENTS WITH SIZE "0" CONTACTS

2 ADD 3.81 (.150) FOR JT*VE, ENVIRONMENTAL CONNECTORS SUPPLIED WITH SEAL GROMMET

3 THREAD ADAPTERS ARE SUPPLIED W/CONNECTORS WHEN USING REAR ACCESSORY HARDWARE FOR 22, 28, 32, 36, 40 SHELL SIZES.



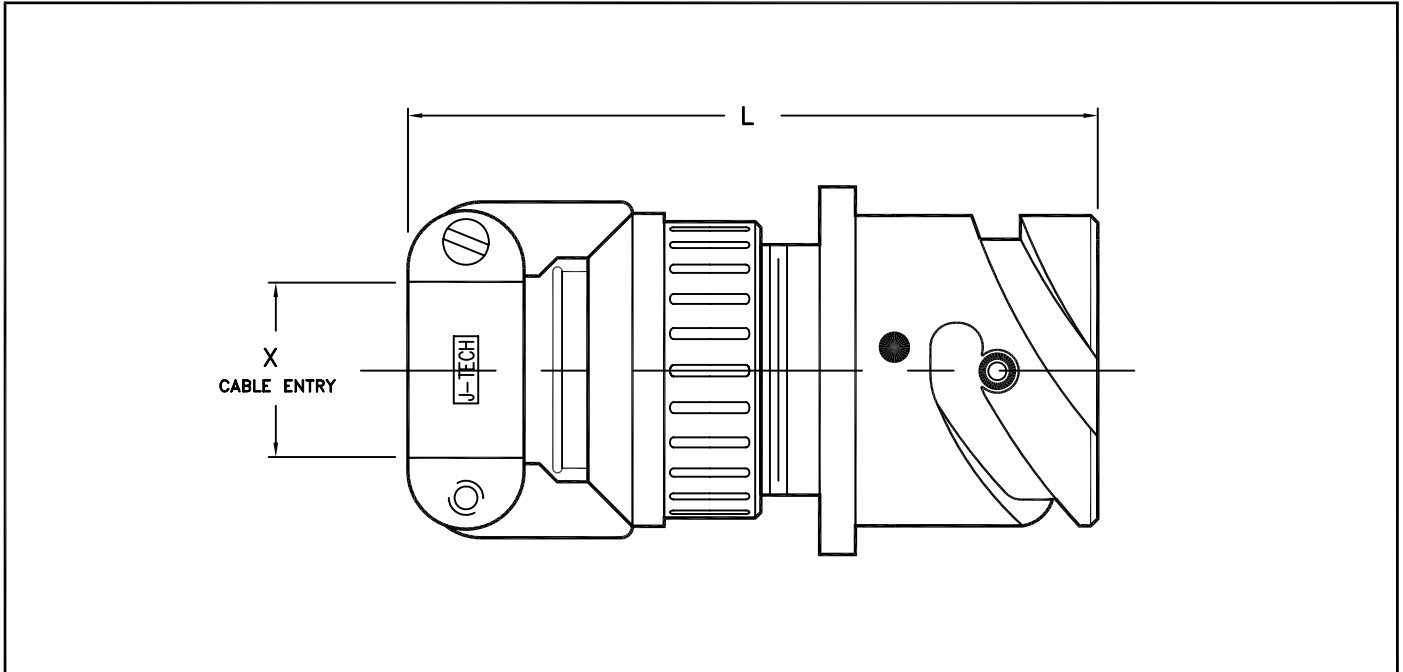
SHELL SIZE	L REF	ØX MAX.
10SL	60.00 (2.362)	7.93 (0.312)
14S	62.00 (2.441)	11.12 (0.438)
16S	70.00 (2.756)	13.49 (0.531)
16	70.00 (2.756)	13.49 (0.531)
18	77.00 (3.031)	15.87 (0.625)
20	77.00 (3.031)	19.05 (0.750)
22	77.00 (3.031)	19.05 (0.750)
24	85.00 (3.346)	23.80 (0.937)
28	85.00 (3.346)	23.80 (0.937)
32	85.00 (3.346)	31.75 (1.250)
36	105.00 (4.134)	34.93 (1.375)
40	130.00 (5.118)	41.28 (1.625)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

THREAD ADAPTER ARE SUPPLIED W/CONNECTORS WHEN USING REAR ACCESSORY HARDWARE FOR 22, 28, 32, 36, 40 SHELL SIZES

JT13V*C

RECEPTACLE, SQUARE FLANGE, FRONT MOUNT WITH WATER TIGHT CABLE CLAMP



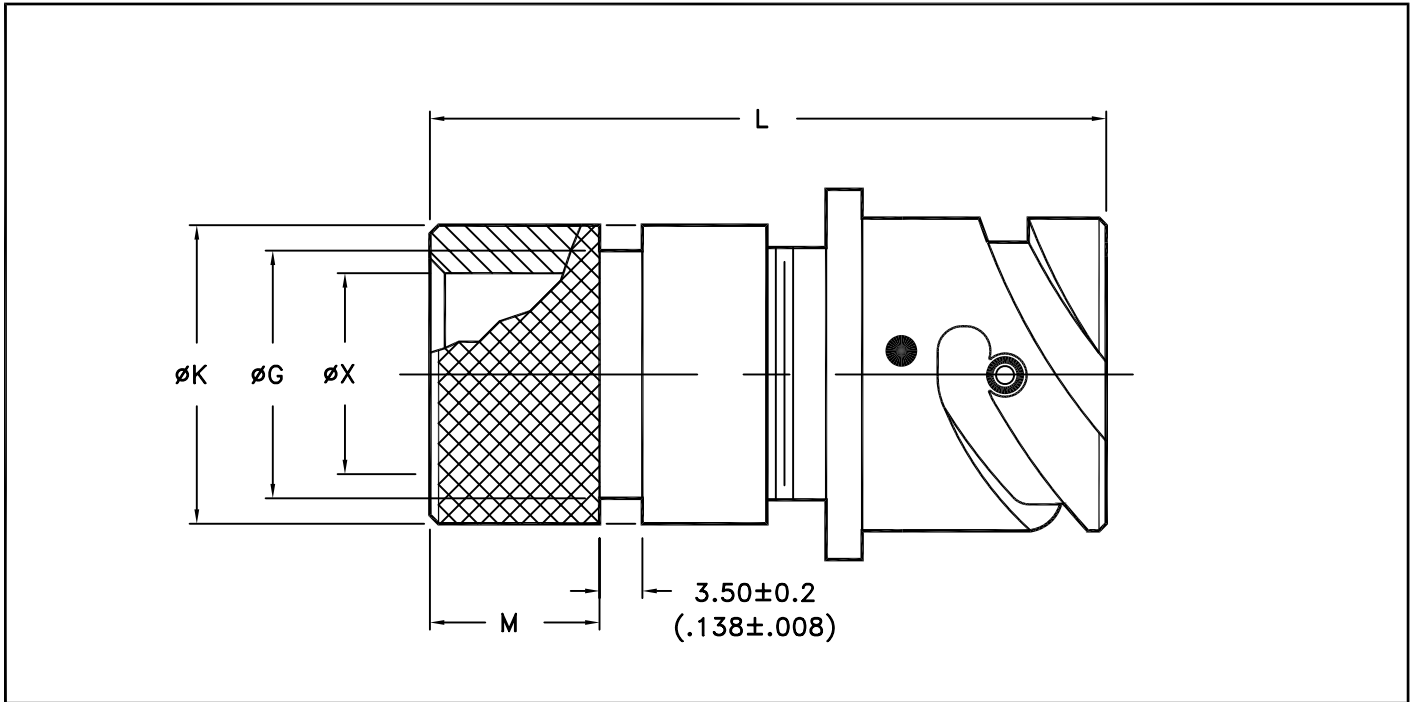
SHELL SIZE	L REF	X CABLE ENTRY	
		OPEN	CLOSED
10SL	69.60 (2.740)	7.93 (0.312)	2.38 (0.094)
14S	73.60 (2.898)	11.12 (0.438)	6.35 (.250)
16S	73.60 (2.898)	13.48 (0.531)	7.92 (0.312)
16	81.70 (3.217)	13.48 (0.531)	7.92 (0.312)
18	84.00 (3.307)	15.87 (0.625)	9.52 (0.375)
20	84.10 (2.890)	19.05 (0.750)	12.70 (.500)
22	85.10 (3.350)	19.05 (0.750)	12.70 (.500)
24	88.50 (3.484)	23.82 (0.938)	15.10 (.594)
28	94.90 (3.736)	23.82 (0.938)	15.10 (.594)
32	105.20 (4.142)	31.75 (1.250)	23.82 (.938)
36	111.50 (4.390)	34.92 (1.375)	24.60 (.969)
40	126.70 (4.988)	41.25 (1.624)	28.90 (1.138)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

1 THREAD ADAPTERS ARE SUPPLIED W/CONNECTORS WHEN USING REAR ACCESSORY HARDWARE FOR 22, 28, 32, 36, 40 SHELL SIZES.

JT13V*D

RECEPTACLE, SQUARE FLANGE, FRONT MOUNT FOR HEAT SHRINK TUBING



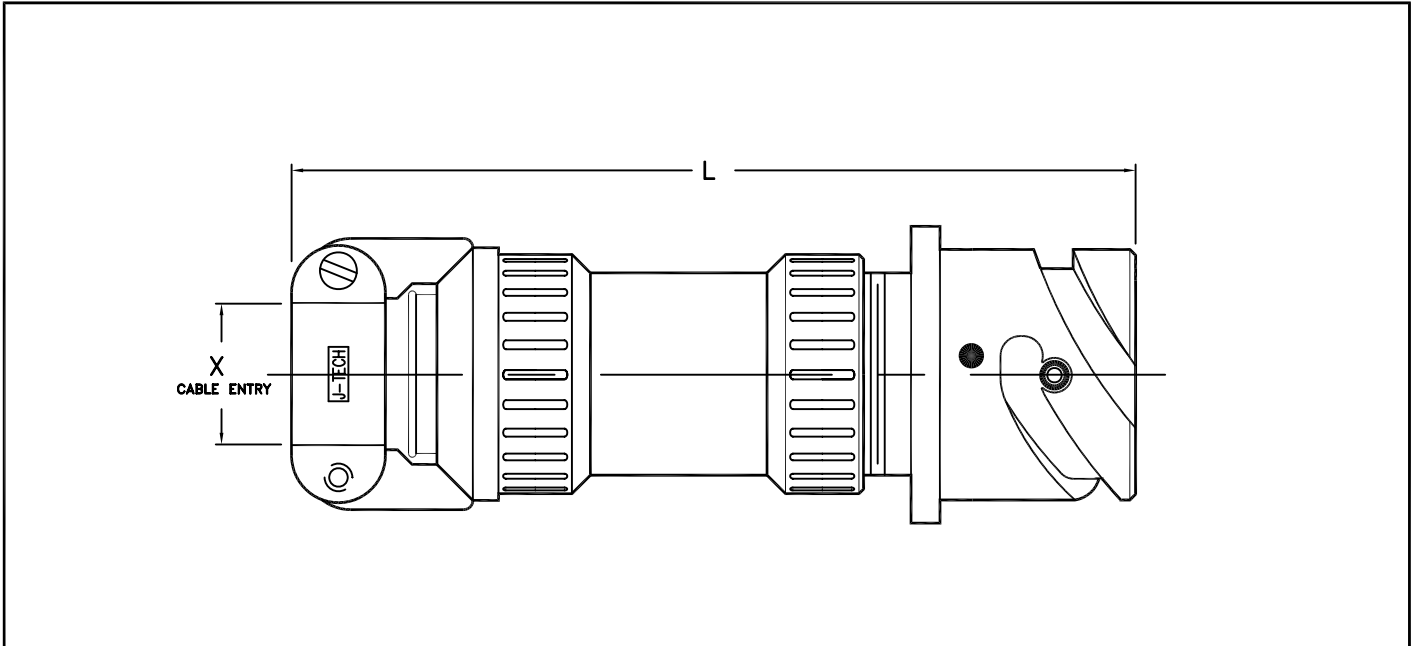
SHELL SIZE	ØG MAX.	ØX MIN.	ØK ±0.20 (±.008)	M ±0.40 (±.016)	L REF.
10SL	13.13 (0.517)	9.02 (0.355)	18.64 (0.734)	7.49 (0.295)	50.00 (1.969)
14S	19.05 (0.750)	14.35 (0.565)	24.99 (0.984)	7.49 (0.295)	50.00 (1.969)
16S	22.23 (0.875)	17.53 (0.690)	28.25 (1.112)	7.49 (0.295)	50.00 (1.969)
16	22.23 (0.875)	17.53 (0.690)	28.25 (1.112)	7.49 (0.295)	60.00 (2.362)
18	24.23 (0.954)	19.53 (0.769)	30.94 (1.218)	7.49 (0.295)	60.00 (2.362)
20	27.41 (1.079)	22.71 (0.894)	34.16 (1.345)	7.49 (0.295)	65.00 (2.559)
22	30.91 (1.217)	25.88 (1.019)	37.29 (1.468)	7.49 (0.295)	65.00 (2.559)
24	33.15 (1.305)	28.80 (1.134)	40.46 (1.593)	7.49 (0.295)	65.00 (2.559)
28	39.90 (1.571)	34.77 (1.369)	37.80 (1.969)	7.49 (0.295)	65.00 (2.559)
32	44.37 (1.747)	41.02 (1.615)	50.01 (2.219)	11.61 (0.457)	70.00 (2.756)
36	50.72 (1.997)	46.48 (1.830)	62.71 (2.469)	11.61 (0.457)	80.00 (3.150)
40	56.64 (2.230)	51.94 (2.045)	69.06 (2.719)	11.61 (0.457)	80.00 (3.150)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

1 THREAD ADAPTERS ARE SUPPLIED W/CONNECTORS WHEN USING REAR ACCESSORY HARDWARE FOR 22, 28, 32, 36, 40 SHELLS

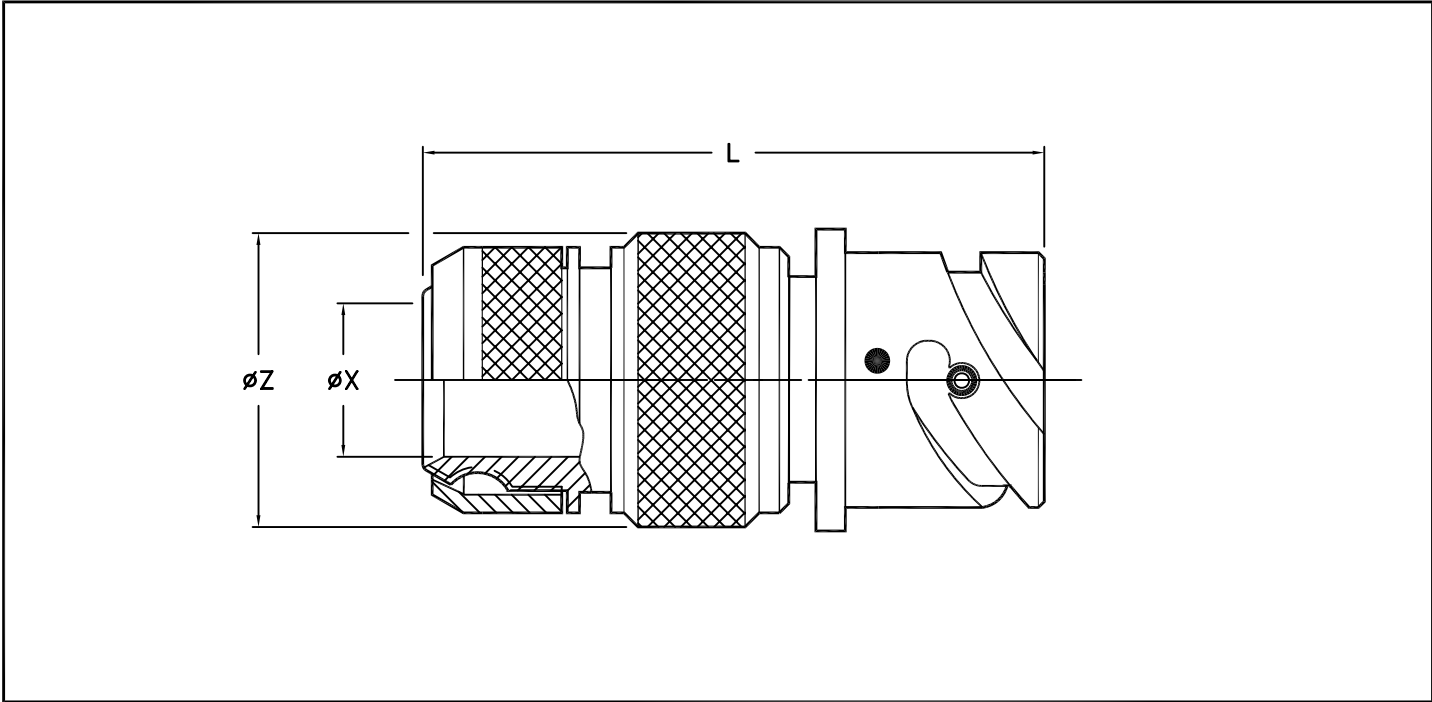
JT13VEF

RECEPTACLE, SQUARE FLANGE, FRONT MOUNT WITH CABLE CLAMP ENVIRONMENTAL ONLY



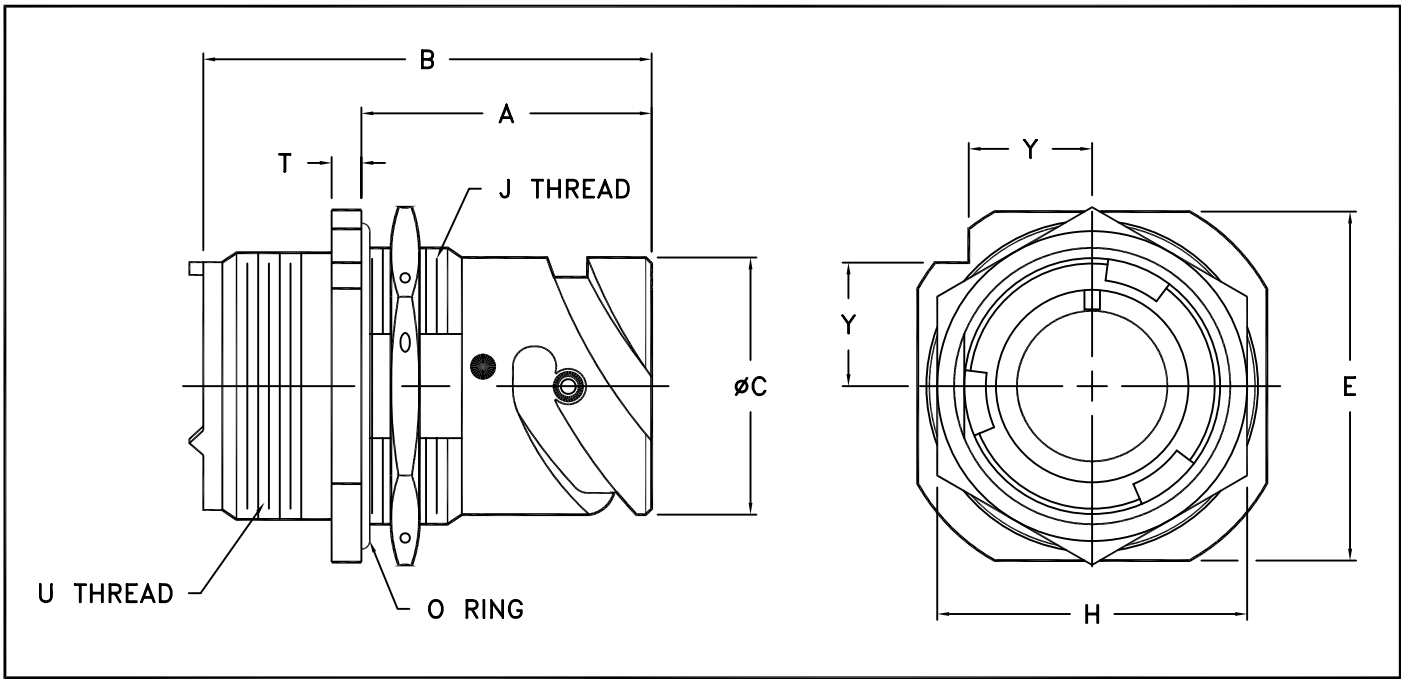
SHELL SIZE	L REF	X CABLE ENTRY	
		OPEN	CLOSED
10SL	96.80 (3.811)	7.93 (0.312)	2.38 (0.094)
14S	97.60 (3.843)	11.12 (0.438)	6.35 (0.250)
16S	97.60 (3.843)	13.48 (0.531)	7.92 (0.312)
16	107.10 (4.217)	13.48 (0.531)	7.92 (0.312)
18	112.00 (4.408)	15.87 (0.625)	9.52 (0.375)
20	112.00 (4.408)	19.05 (0.750)	12.70 (0.500)
22	112.10 (4.413)	19.05 (0.750)	12.70 (0.500)
24	115.20 (4.535)	23.82 (0.938)	15.10 (0.594)
28	120.50 (4.744)	23.82 (0.938)	15.10 (0.594)
32	129.00 (5.078)	31.75 (1.250)	23.80 (0.937)
36	135.30 (5.327)	34.92 (1.375)	24.60 (0.969)
40	135.30 (5.237)	41.25 (1.624)	28.90 (1.138)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.



SHELL SIZE	L REF.	øX MIN.	øZ MAX.
10SL	52.00 (2.165)	8.60 (0.339)	22.00 (0.866)
14S	55.00 (2.244)	10.60 (0.417)	25.00 (0.984)
16S	60.00 (2.362)	13.50 (0.531)	28.00 (1.102)
16	70.00 (2.756)	13.50 (0.531)	28.00 (1.102)
18	70.00 (2.756)	14.60 (0.575)	31.00 (1.220)
20	70.00 (2.756)	18.50 (0.728)	35.00 (1.378)
22	70.00 (2.756)	20.80 (0.819)	38.00 (1.496)
24	70.00 (2.756)	24.60 (0.969)	41.00 (1.614)
28	70.00 (2.756)	27.00 (1.063)	48.00 (1.890)
32	70.00 (2.756)	33.30 (1.311)	54.00 (2.126)
36	80.00 (3.150)	38.50 (1.516)	61.00 (2.402)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.



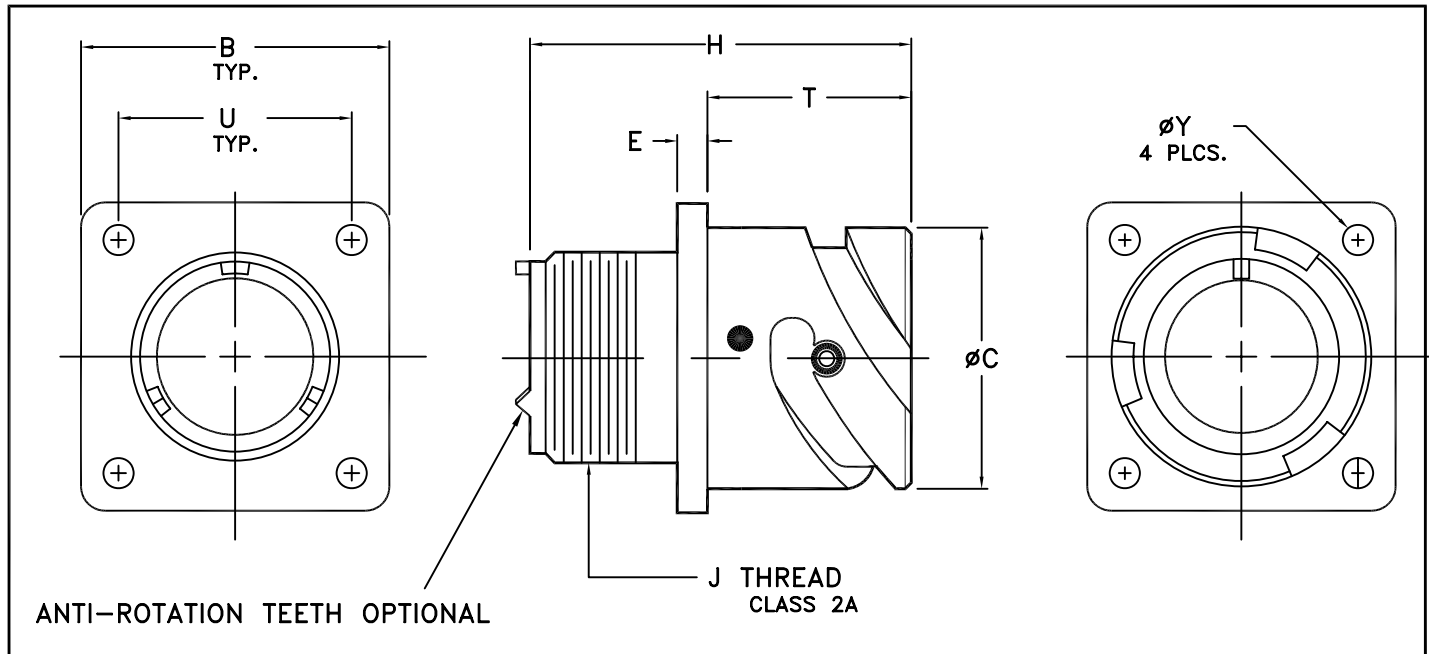
SHELL SIZE	B *1/2 REF.	U THREAD CLASS 2A	Y REF.	J THREAD CLASS 2A	A REF.	T REF.	E REF.	ØC -0.00/-0.15 (-.000/-.006)	H REF.
10SL	41.91 (1.650)	.625-24 UNEF	11.20 (0.441)	.875-20 UNEF	24.50 (0.965)	4.00 (0.157)	31.80 (1.252)	18.20 (0.717)	27.00 (1.063)
14S	41.91 (1.650)	.750-20 UNEF	14.60 (0.575)	1.125-18 UNEF	26.80 (1.055)	4.80 (0.189)	41.30 (1.626)	24.60 (0.969)	33.35 (1.313)
16S	48.26 (1.900)	.875-20 UNEF	15.70 (0.618)	1.250-18 UNEF	26.80 (1.055)	4.80 (0.189)	44.40 (1.748)	27.40 (1.079)	36.55 (1.439)
16	48.26 (1.900)	.875-20 UNEF	15.70 (0.618)	1.250-18 UNEF	32.10 (1.264)	4.80 (0.189)	44.40 (1.748)	27.40 (1.079)	36.55 (1.439)
18	48.26 (1.900)	1.000-20 UNEF	16.80 (0.661)	1.375-18 UNEF	33.70 (1.327)	4.80 (0.189)	47.60 (1.874)	30.80 (1.213)	39.70 (1.563)
20	48.26 (1.900)	1.1875-18 UNEF	18.00 (0.709)	1.500-18 UNEF	33.70 (1.327)	4.80 (0.189)	50.80 (2.000)	34.20 (1.346)	42.14 (1.659)
22	48.26 (1.900)	1.250-18 UNEF	20.20 (0.795)	1.625-18 UNEF	33.70 (1.327)	4.80 (0.189)	57.20 (2.252)	37.40 (1.472)	46.05 (1.813)
24	48.26 (1.900)	1.4375-18 UNEF	20.20 (0.795)	1.750-18 UNEF	33.70 (1.327)	4.80 (0.189)	57.20 (2.252)	40.90 (1.610)	50.82 (2.001)
28	51.30 (2.020)	1.625-18 UNEF	22.50 (0.886)	2.000-18 UNS	35.20 (1.386)	5.60 (0.220)	63.50 (2.500)	46.70 (1.839)	57.18 (2.251)
32	51.30 (2.020)	1.875-16 UN	24.70 (0.972)	2.250-16 UN	35.20 (1.386)	5.60 (0.220)	69.80 (2.748)	53.40 (2.102)	63.52 (2.501)
36	51.30 (2.020)	2.0625-16 UN	26.90 (1.059)	2.500-16 UN	35.20 (1.386)	5.60 (0.220)	76.20 (3.000)	59.60 (2.346)	69.88 (2.751)
40	51.30 (2.020)	2.3125-16 UNS	29.60 (1.165)	2.750-16 UN	35.20 (1.386)	5.60 (0.220)	82.50 (3.248)	65.50 (2.579)	76.22 (3.001)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

*1 ADD 11.13 (.438) TO ARRANGEMENTS WIT 0 CONTACTS

2 ADD 3.81 (.150) FOR JT14VE, ENVIRONMENTAL CONNECTOR SUPPLIED WITH WIRE SEAL GROMMET JT15V

3 THREAD ADAPTERS ARE SUPPLIED W/CONNECTORS WHEN USING REAR ACCESSORY HARDWARE FOR 22, 28, 32, 36, 40 SHELLS



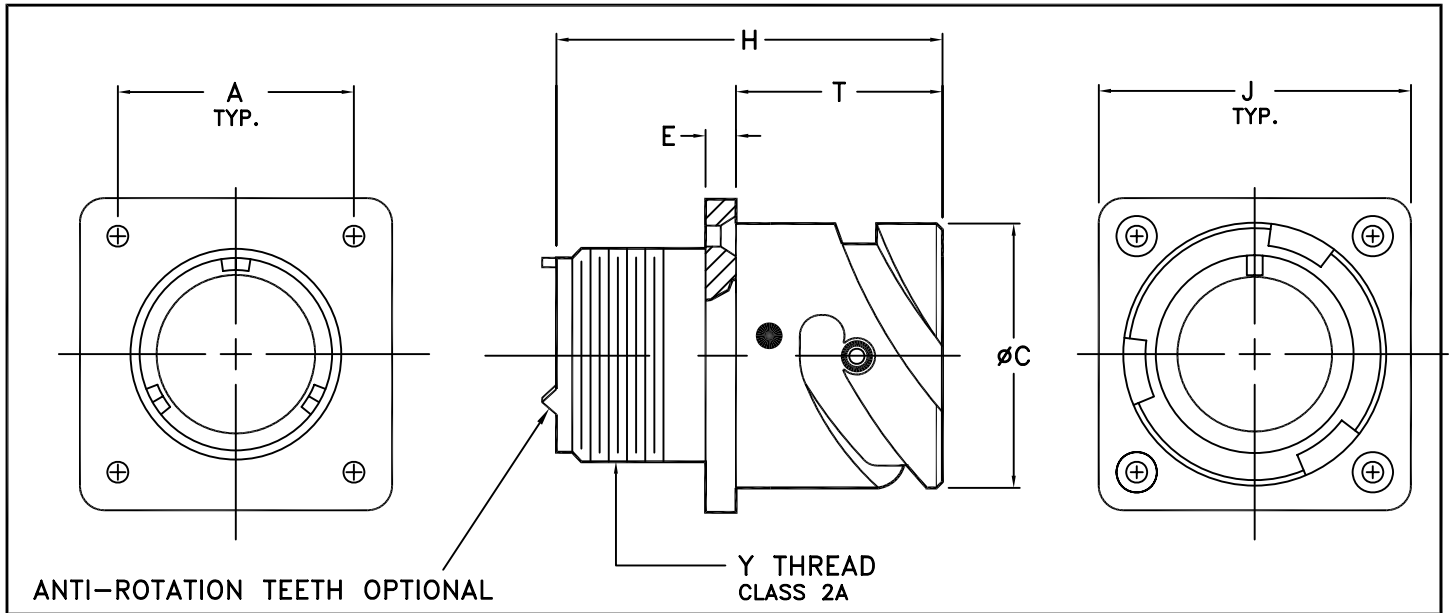
SHELL SIZE	B ±0.30 (±.012)	U ±0.10 (±.004)	øY +0.10/-0.00 (+.004/- .000)	J THREAD CLASS 2A	T +0.40/-0.00 (+.016/- .000)	E ±0.20 (±.008)	øC +0.00/-0.15 (+.000/- .006)	H*1/2 REF.
10SL	25.40 (1.000)	18.20 (0.717)	3.20 (0.126)	.625-24 UNEF	18.20 (0.717)	2.80 (0.110)	18.20 (0.717)	38.10 (1.500)
14S	30.00 (1.181)	23.00 (0.906)	3.20 (0.126)	.750-20 UNEF	18.20 (0.717)	3.20 (0.126)	24.60 (0.969)	38.10 (1.500)
16S	32.50 (1.279)	24.60 (0.969)	3.20 (0.126)	.875-20 UNEF	18.20 (0.717)	3.20 (0.126)	27.40 (1.079)	38.10 (1.500)
16	32.50 (1.279)	24.60 (0.969)	3.20 (0.126)	.875-20 UNEF	23.05 (0.907)	3.20 (0.126)	27.40 (1.079)	43.18 (1.700)
18	35.00 (1.378)	27.00 (1.063)	3.20 (0.126)	1.000-20 UNEF	23.05 (0.907)	4.00 (0.157)	30.80 (1.213)	43.18 (1.700)
20	38.00 (1.496)	29.40 (1.157)	3.20 (0.126)	1.1875-18 UNEF	23.05 (0.907)	4.00 (0.157)	34.20 (1.346)	43.18 (1.700)
22	41.00 (1.614)	31.80 (1.252)	3.20 (0.126)	1.250-18 UNEF	23.05 (0.907)	4.00 (0.157)	37.40 (1.472)	43.18 (1.700)
24	44.50 (1.752)	34.90 (1.374)	3.70 (0.146)	1.4375-18 UNEF	23.05 (0.907)	4.00 (0.157)	40.90 (1.610)	43.18 (1.700)
28	50.80 (2.000)	39.70 (1.563)	3.70 (0.146)	1.625-18 UNEF	24.05 (0.947)	4.00 (0.157)	46.70 (1.839)	43.18 (1.700)
32	57.00 (2.244)	44.50 (1.752)	4.30 (0.169)	1.875-16 UN	24.05 (0.947)	4.00 (0.157)	53.40 (2.102)	43.94 (1.730)
36	63.50 (2.500)	49.20 (1.937)	4.30 (0.169)	2.0625-16 UN	24.05 (0.947)	4.00 (0.157)	59.60 (2.346)	43.94 (1.730)
40	69.90 (2.752)	55.50 (2.185)	4.30 (0.169)	2.3125-16UNS	24.05 (0.947)	4.00 (0.157)	65.50 (2.579)	46.48 (1.830)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

*1 ADD 11.13 (.438) FOR ARRANGEMENTS WITH SIZE "0" CONTACTS

*2 ADD 3.81 (.150) FOR JT*VE, ENVIRONMENTAL CONNECTORS SUPPLIED WITH SEAL GROMMET

3 THREAD ADAPTERS ARE SUPPLIED W/CONTACTS WHEN USING REAR ACCESSORY HARDWARE FOR 22, 28, 32, 36, 40 SHELL SIZES



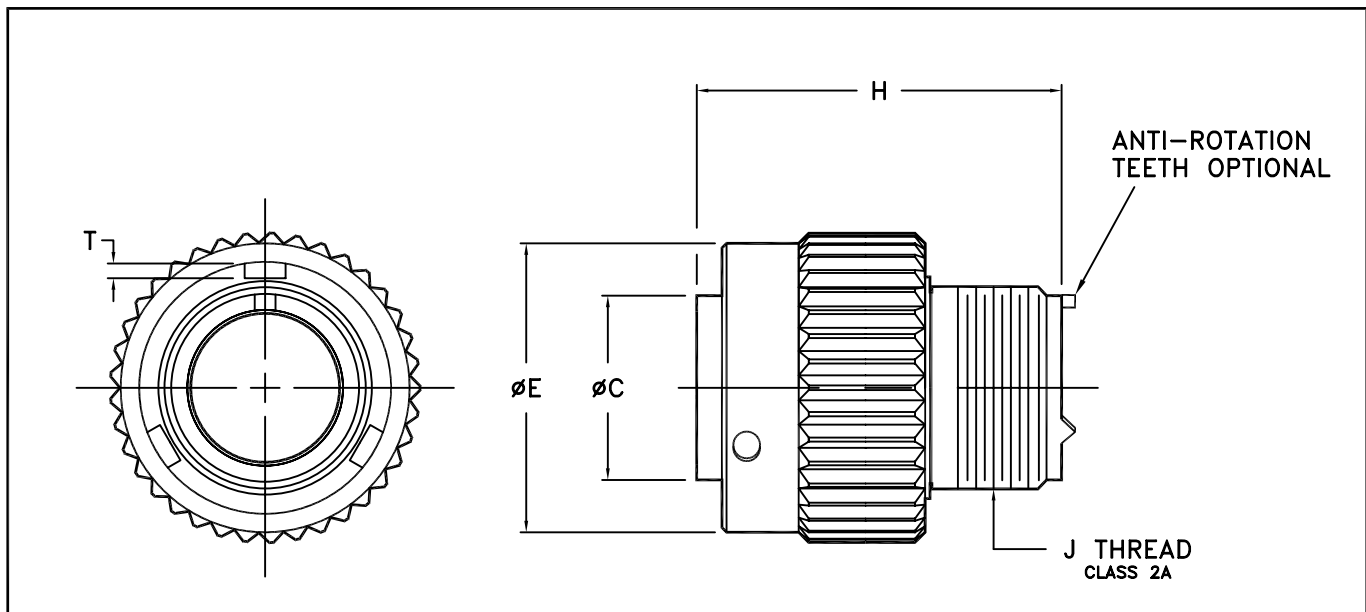
SHELL SIZE	J ±0.30 (±.012)	A ±0.10 (±.004)	Y THREAD CLASS 2A	T +0.40/-0.00 (+.016/- .000)	E ±0.20 (±.008)	øC +0.00/-0.15 (+.000/- .006)	H*1/2 REF.
10SL	25.40 (1.000)	18.20 (0.717)	.625-24 UNEF	18.20 (0.559)	2.80 (0.110)	18.20 (0.717)	38.10 (1.500)
14S	30.00 (1.181)	23.00 (0.906)	.750-20 UNEF	14.20 (0.559)	3.20 (0.126)	24.60 (0.969)	38.10 (1.500)
16S	32.50 (1.279)	24.60 (0.969)	.875-20 UNEF	14.20 (0.559)	3.20 (0.126)	27.40 (1.079)	38.10 (1.500)
16	32.50 (1.279)	24.60 (0.969)	.875-20 UNEF	19.00 (0.748)	3.20 (0.126)	27.40 (1.079)	43.18 (1.700)
18	35.00 (1.378)	27.00 (1.063)	1.000-20 UNEF	19.00 (0.748)	4.00 (0.157)	30.80 (1.213)	43.18 (1.700)
20	38.00 (1.496)	29.40 (1.157)	1.1875-18 UNEF	19.00 (0.748)	4.00 (0.157)	34.20 (1.346)	43.18 (1.700)
22	41.00 (1.614)	31.80 (1.252)	1.250-18 UNEF	19.00 (0.748)	4.00 (0.157)	37.40 (1.472)	43.18 (1.700)
24	44.50 (1.752)	34.90 (1.374)	1.4375-18 UNEF	20.60 (0.811)	4.00 (0.157)	40.90 (1.610)	43.18 (1.700)
28	50.80 (2.000)	39.70 (1.563)	1.625-18 UNEF	20.60 (0.811)	4.00 (0.157)	46.70 (1.839)	43.18 (1.700)
32	57.00 (2.244)	44.50 (1.752)	1.875-16 UN	22.20 (0.874)	4.00 (0.157)	53.40 (2.102)	43.94 (1.730)
36	63.50 (2.500)	49.20 (1.937)	2.0625-16 UN	22.20 (0.874)	4.00 (0.157)	59.60 (2.346)	43.94 (1.730)
40	69.90 (2.752)	55.50 (2.185)	2.3125-16UNS	22.20 (0.874)	4.00 (0.157)	65.50 (2.579)	46.48 (1.830)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

*1 ADD 11.13 (.438) FOR ARRANGEMENTS WITH SIZE "0" CONTACTS

*2 ADD 3.81 (.150) FOR JT*VE, ENVIRONMENTAL CONNECTORS SUPPLIED WITH SEAL GROMMET

3 THREAD ADAPTERS ARE SUPPLIED W/CONNECTORS WHEN USING REAR ACCESSORY HARDWARE FOR 22, 28, 32, 36, 40 SHELL SIZES



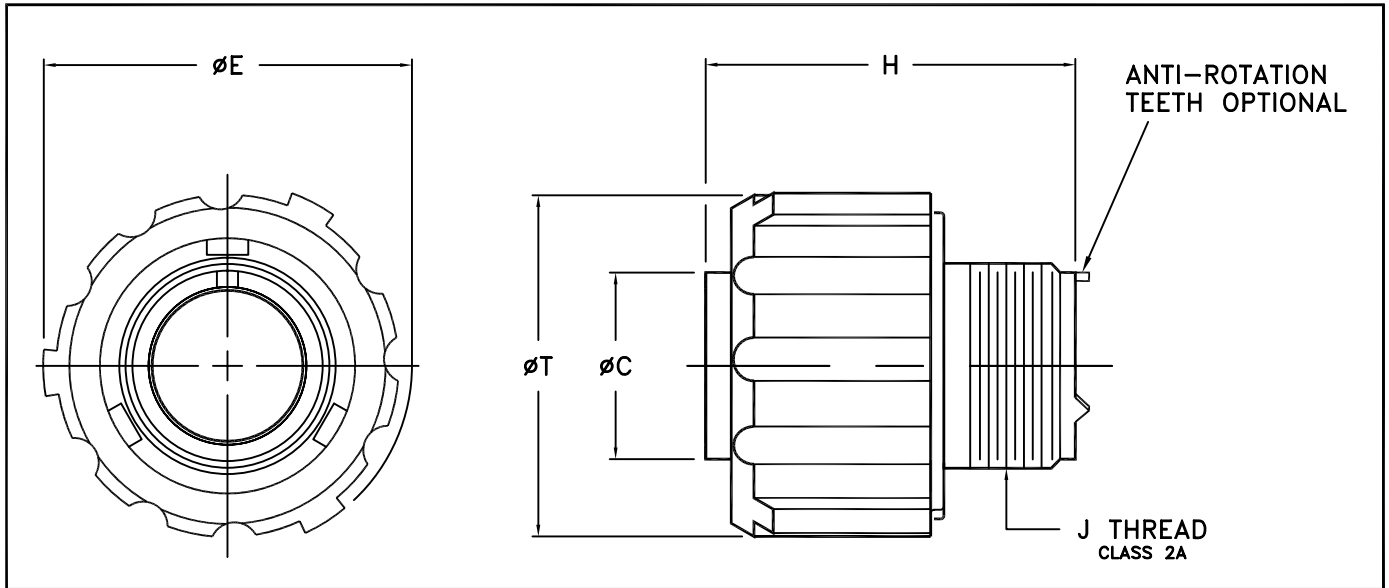
SHELL SIZE	J THREAD CLASS 2A	T +0.05/-0.15 (+0.002/-0.006)	ØE MAX.	ØC +0.00/-0.30 (+0.000/-0.012)	H *1/2 REF.
10SL	.625-24 UNEF	1.60 (0.063)	22.80 (0.898)	11.30 (0.445)	38.10 (1.500)
14S	.750-20 UNEF	1.60 (0.063)	29.20 (1.150)	17.10 (0.673)	38.10 (1.500)
16S	.875-20 UNEF	1.60 (0.063)	32.00 (1.260)	20.40 (0.803)	38.10 (1.500)
16	.875-20 UNEF	1.60 (0.063)	32.00 (1.260)	20.40 (0.803)	43.18 (1.700)
18	1.000-20 UNEF	1.80 (0.071)	36.50 (1.437)	23.60 (0.929)	43.18 (1.700)
20	1.1875-18 UNEF	1.80 (0.071)	39.90 (1.571)	26.70 (1.051)	43.18 (1.700)
22	1.250-18 UNEF	1.80 (0.071)	43.10 (1.697)	29.80 (1.173)	43.18 (1.700)
24	1.4375-18 UNEF	1.80 (0.071)	46.60 (1.835)	33.00 (1.299)	43.18 (1.700)
28	1.625-18 UNEF	1.80 (0.071)	53.40 (2.102)	38.60 (1.520)	43.18 (1.700)
32	1.875-16 UN	1.80 (0.071)	60.10 (2.366)	44.90 (1.768)	43.94 (1.730)
36	2.0625-16 UN	1.80 (0.071)	66.30 (2.610)	50.30 (1.980)	43.94 (1.730)
40	2.3125-16 UNS	1.80 (0.071)	72.40 (2.850)	56.44 (2.222)	46.48 (1.830)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

*1 ADD 11.13 (.438) FOR ARRANGEMENTS WITH SIZE "0" CONTACTS

*2 ADD 3.81 (.150) FOR JT*VE, ENVIRONMENTAL CONNECTORS SUPPLIED WITH SEAL GROMMET

3 THREAD ADAPTERS ARE SUPPLIED W/CONNECTORS WHEN USING REAR ACCESSORY HARDWARE FOR 22, 28, 32, 36, 40 SHELL SIZES

JT20V***STRAIGHT PLUG WITH RUBBER COVERED COUPLING NUT MATES WITH JT21VE RECEPTACLES ONLY**

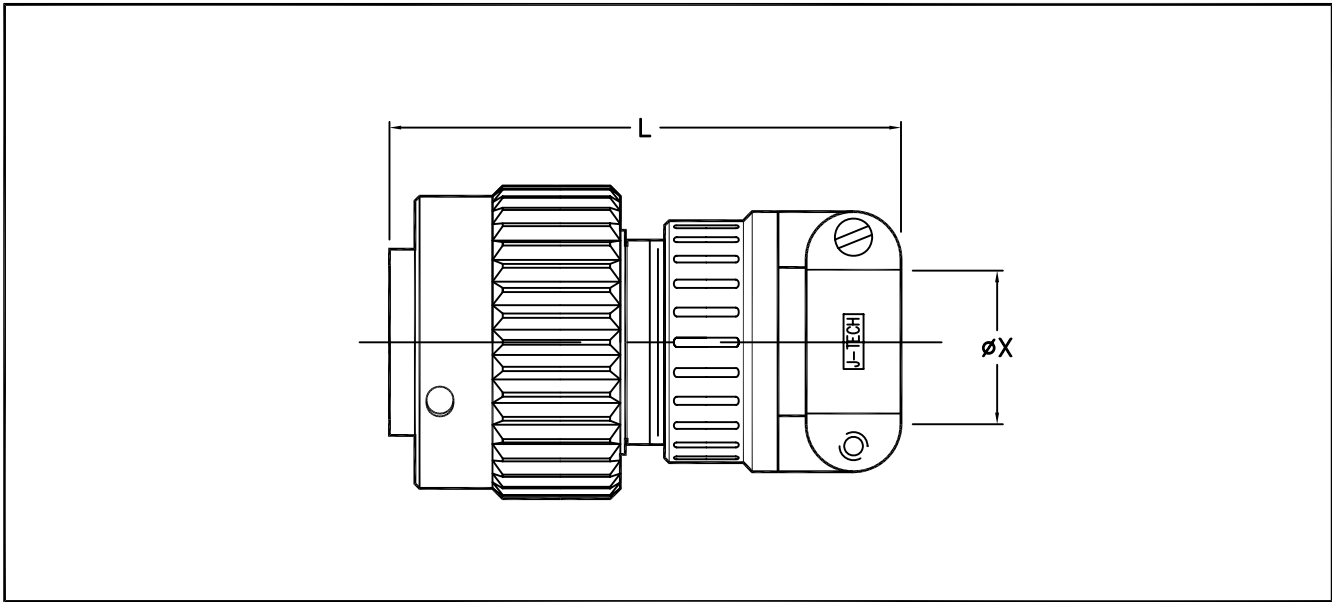
SHELL SIZE	J THREAD CLASS 2A	øT REF.	øE REF.	øC +0.00/-0.30 (+.000/-0.012)	H *1/2 REF.
10SL	.625-24 UNEF	28.50 (1.122)	33.50 (1.319)	11.30 (0.445)	38.10 (1.500)
18	1.000-20 UNEF	43.50 (1.713)	49.00 (1.929)	23.60 (0.929)	43.18 (1.700)
20	1.1875-18 UNEF	46.00 (1.811)	51.50 (2.028)	26.70 (1.051)	43.18 (1.700)
22	1.250-18 UNEF	50.50 (1.988)	56.00 (2.205)	29.80 (1.173)	43.18 (1.700)
24	1.4375-18 UNEF	54.00 (2.126)	60.00 (2.362)	33.00 (1.299)	43.18 (1.700)
28	1.625-18 UNEF	61.00 (2.402)	67.00 (2.638)	38.60 (1.520)	43.18 (1.700)
32	1.875-16 UN	67.60 (2.661)	76.00 (2.992)	44.90 (1.768)	43.94 (1.730)
36	2.0625-16 UN	74.30 (2.925)	82.30 (3.240)	50.30 (1.980)	43.94 (1.730)
40	2.3125-16 UNS	80.00 (3.150)	88.00 (3.465)	56.44 (2.222)	46.48 (1.830)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

*1 ADD 11.13 (.438) FOR ARRANGEMENTS WITH SIZE "0" CONTACTS

*2 ADD 3.81 (.150) FOR JT*VE, ENVIRONMENTAL CONNECTORS SUPPLIED WITH SEAL GROMMET

3 THREAD ADAPTERS ARE SUPPLIED W/CONNECTORS WHEN USING REAR ACCESSORY
HARDWARE FOR 22, 28, 32, 36, 40 SHELL SIZES



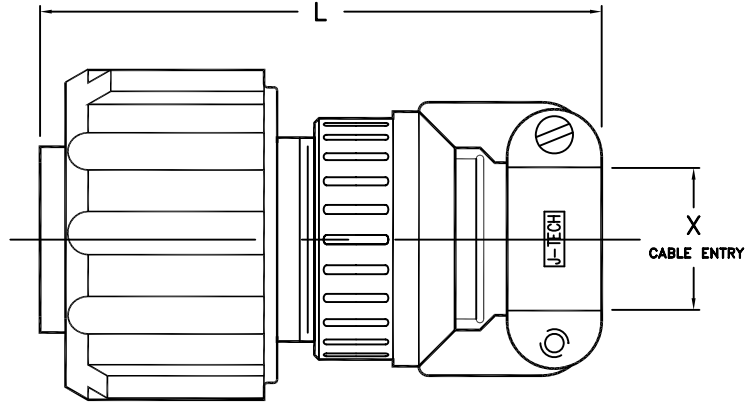
SHELL SIZE	L REF	ØX MAX.
10SL	60.00 (2.362)	7.93 (0.312)
14S	62.00 (2.441)	11.10 (0.437)
16S	70.00 (2.756)	14.27 (0.562)
16	70.00 (2.756)	14.27 (0.562)
18	77.00 (3.031)	15.87 (0.625)
20	77.00 (3.031)	19.05 (0.750)
22	77.00 (3.031)	19.05 (0.750)
24	85.00 (3.346)	23.80 (0.937)
28	85.00 (3.346)	23.80 (0.937)
32	85.00 (3.346)	31.75 (1.250)
36	105.00 (4.134)	34.93 (1.375)
40	130.00 (5.118)	41.28 (1.625)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

THREAD ADAPTERS ARE SUPPLIED W/CONNECTORS WHEN USING REAR ACCESSORY HARDWARE FOR 22, 28, 32, 36, 40 SHELL SIZES

JT16VEC
JT20VEC

STRAIGHT PLUG CONNECTOR WITH ENVIRONMENTAL CABLE CLAMP
ENVIRONMENTAL ONLY



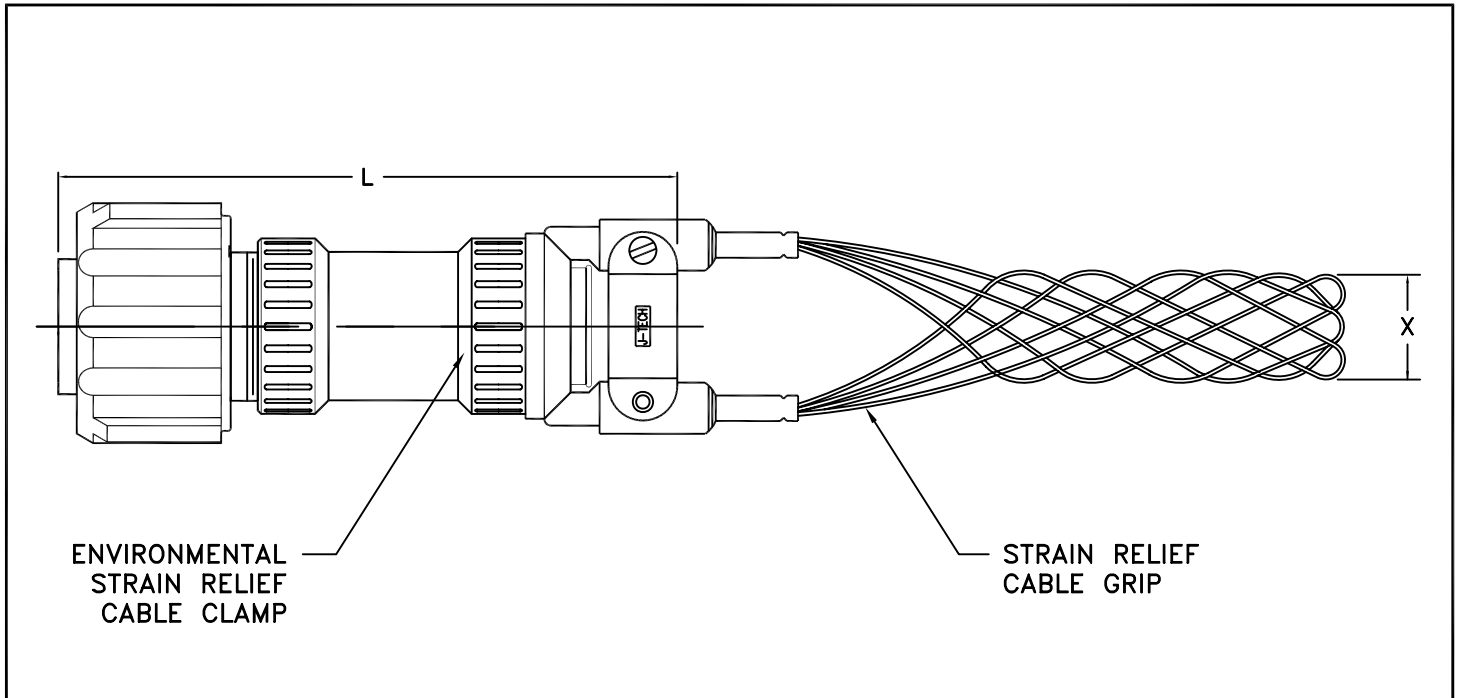
SHOWN WITH RUBBER COUPLING NUT COVER (JT20VEC)

SHELL SIZE	L REF.	X CABLE ENTRY	
		OPEN	CLOSED
10SL	69.60 (2.740)	7.93 (0.312)	2.38 (0.094)
14S	73.60 (2.898)	11.12 (0.438)	6.35 (0.250)
16S	73.60 (2.898)	13.48 (0.531)	7.92 (0.312)
16	81.70 (3.217)	13.48 (0.531)	7.92 (0.312)
18	84.00 (3.307)	15.87 (0.625)	9.52 (0.375)
20	84.10 (3.311)	19.05 (0.750)	12.70 (0.500)
22	85.10 (3.350)	19.05 (0.750)	12.70 (0.500)
24	88.50 (3.484)	23.82 (0.938)	15.10 (0.594)
28	94.90 (3.736)	23.82 (0.938)	15.10 (0.594)
32	105.20 (4.142)	31.75 (1.250)	23.82 (0.938)
36	111.50 (4.390)	34.92 (1.375)	24.60 (0.969)
40	126.70 (4.988)	41.25 (1.624)	28.90 (1.138)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

THREAD ADAPTERS ARE SUPPLIED W/CONNECTORS WHEN USING REAR ACCESSORY HARDWARE FOR 22, 28, 32, 36, 40 SHELL SIZES

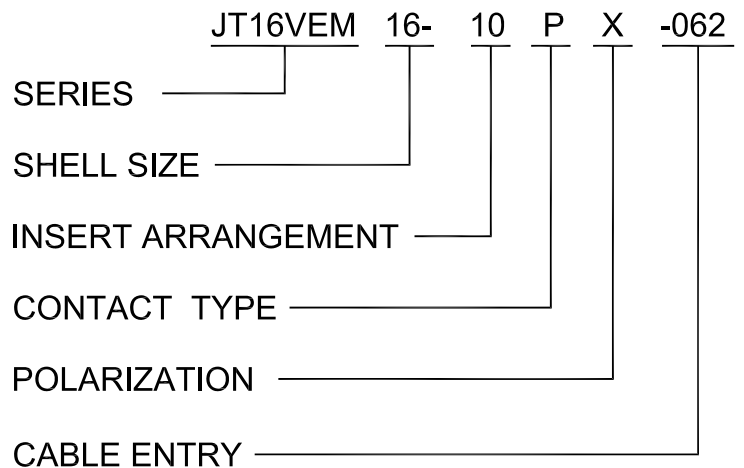
JT16VEM PLUG CONNECTOR WITH ENVIRONMENTAL BACKSHELL AND STRAIN RELIEF CABLE GRIP

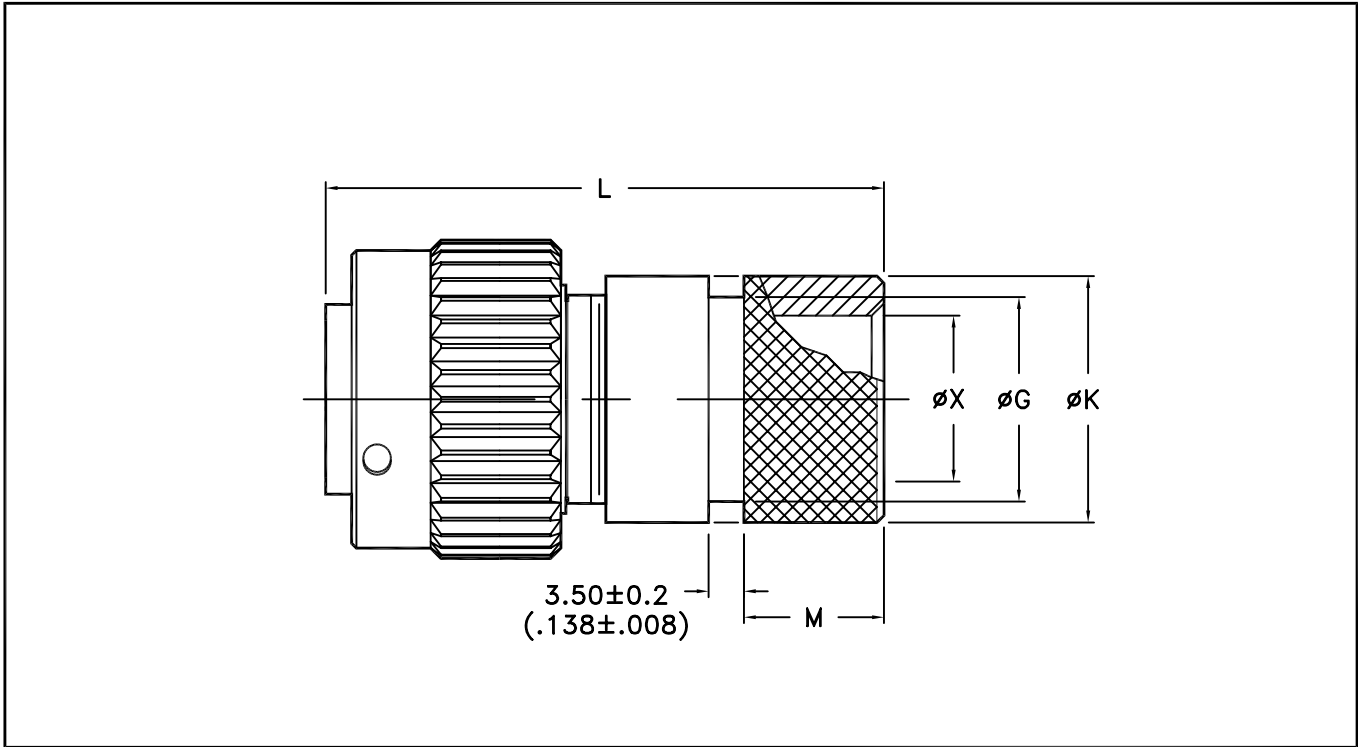


SHELL SIZE	L REF.
10SL	96.80 (3.811)
14S	97.60 (3.843)
16S	97.60 (3.843)
16	107.10 (4.217)
18	112.00 (4.409)
20	112.00 (4.409)
22	112.00 (4.409)
24	115.20 (4.535)
28	120.50 (4.744)
32	129.00 (5.079)
36	135.30 (5.327)
40	135.30 (5.327)

X CABLE ENTRY	
CABLE ENTRY	RANGE
025	.250-.375
037	.375-.500
050	.500-.625
062	.625-.750
075	.750-.875
087	.875-1.000
100	1.000-1.118
118	1.118-1.250

HOW TO ORDER





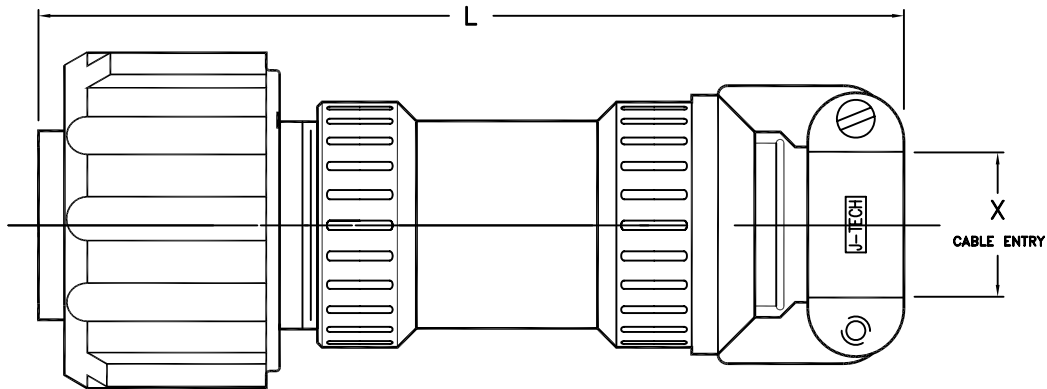
SHELL SIZE	øG MAX.	øK ±0.20 (±.008)	L REF.	M ±0.40 (±.016)	øX MIN.
10SL	13.30 (0.524)	15.50 (0.610)	50.00 (1.969)	8.20 (0.323)	7.70 (0.303)
14S	17.00 (0.669)	19.10 (0.752)	50.00 (1.969)	8.20 (0.323)	10.60 (0.417)
16S	21.90 (0.862)	23.90 (0.941)	50.00 (1.969)	8.20 (0.323)	13.50 (0.531)
16	21.90 (0.862)	23.90 (0.941)	60.00 (2.362)	8.00 (0.315)	13.50 (0.531)
18	21.90 (0.862)	23.90 (0.941)	60.00 (2.362)	8.00 (0.315)	14.60 (0.575)
20	26.20 (1.031)	29.60 (1.165)	65.00 (2.559)	9.20 (0.362)	18.70 (0.736)
22	26.20 (1.031)	29.60 (1.165)	65.00 (2.559)	9.20 (0.362)	20.80 (0.819)
24	34.50 (1.358)	37.80 (1.488)	65.00 (2.559)	9.20 (0.362)	24.60 (0.969)
28	34.50 (1.358)	37.80 (1.488)	65.00 (2.559)	9.20 (0.362)	27.00 (1.063)
32	43.60 (1.717)	47.80 (1.882)	70.00 (2.756)	11.70 (0.461)	33.30 (1.311)
36	43.60 (1.717)	47.80 (1.882)	80.00 (3.150)	11.70 (0.461)	38.50 (1.516)
40	52.60 (2.071)	57.80 (2.276)	80.00 (3.150)	12.00 (0.472)	48.20 (1.898)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

1 THREAD ADAPTERS ARE SUPPLIED W/CONNECTORS WHEN USING REAR ACCESSORY HARDWARE FOR 22, 28, 32, 36, 40 SHELLS

JT16VEF
JT20VEF

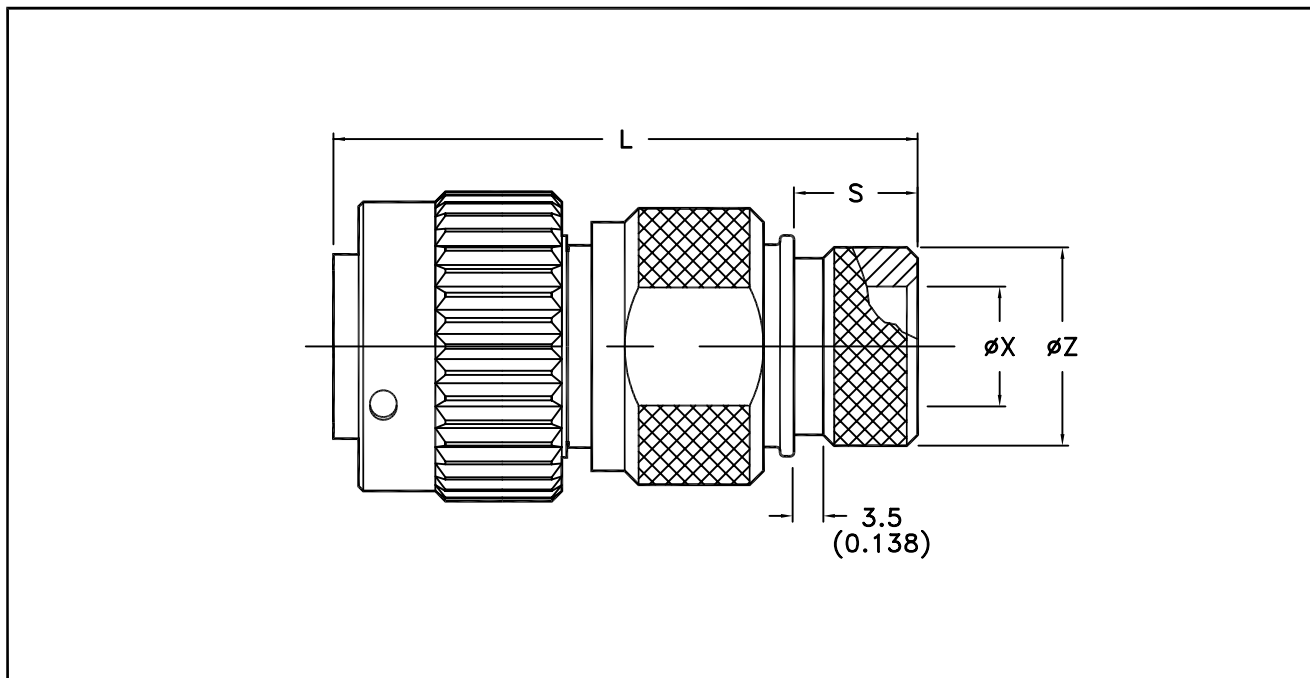
STRAIGHT PLUG CONNECTOR WITH ENVIRONMENTAL CABLE CLAMP
 ENVIRONMENTAL ONLY



SHOWN WITH RUBBER COUPLING NUT COVER (JT20VEF)

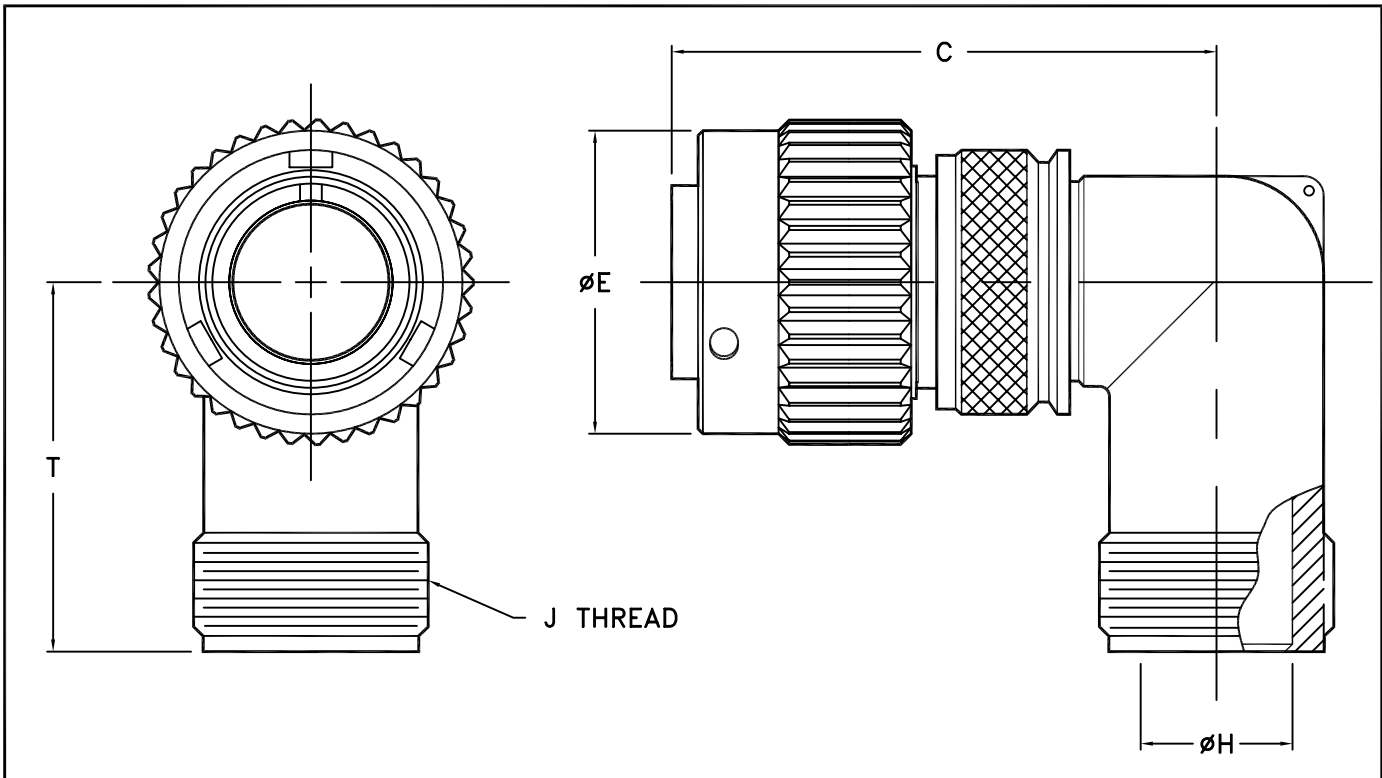
SHELL SIZE	L REF.	X CABLE ENTRY	
		OPEN	CLOSED
10SL	96.80 (3.811)	7.93 (0.312)	2.38 (0.094)
14S	97.60 (3.843)	11.12 (0.438)	6.35 (0.250)
16S	97.60 (3.843)	13.48 (0.531)	7.92 (0.312)
16	107.10 (4.217)	13.48 (0.531)	7.92 (0.312)
18	112.00 (4.409)	15.87 (0.625)	9.52 (0.375)
20	112.00 (4.409)	19.05 (0.750)	12.70 (0.500)
22	112.00 (4.409)	19.05 (0.750)	12.70 (0.500)
24	115.20 (4.535)	23.82 (0.938)	15.10 (0.594)
28	120.50 (4.744)	23.82 (0.938)	15.10 (0.594)
32	129.00 (5.079)	31.75 (1.250)	23.82 (0.987)
36	135.30 (5.327)	34.92 (1.375)	24.60 (0.969)
40	135.30 (5.327)	41.27 (1.625)	28.90 (1.138)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.



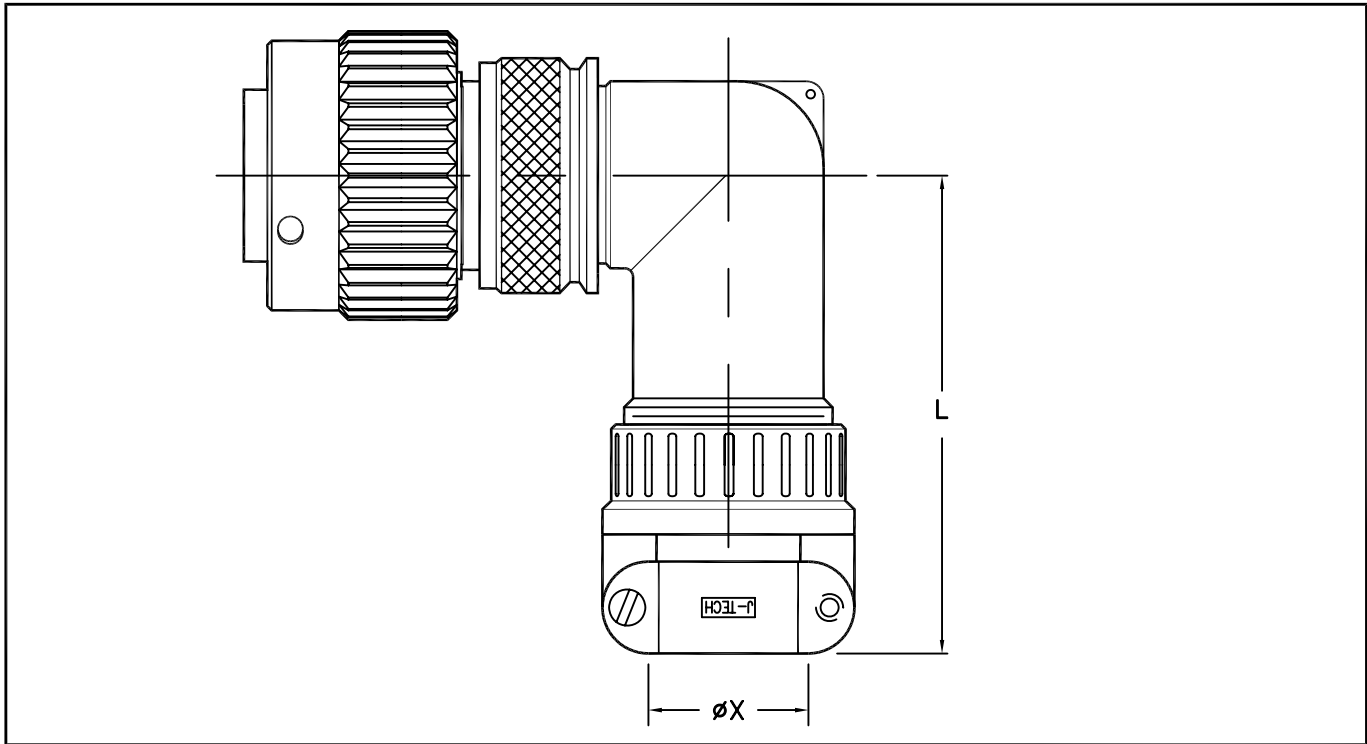
SHELL SIZE	L REF.	S ±0.20 (±0.008)	øX MIN.	øZ ±0.20 (±0.008)
10SL	49.00 (1.929)	8.20 (0.323)	8.60 (0.339)	15.50 (0.610)
14S	49.00 (1.929)	8.20 (0.323)	11.20 (0.441)	19.10 (0.752)
16S	49.80 (1.961)	8.20 (0.323)	14.00 (0.551)	23.90 (0.941)
16	59.30 (2.335)	8.00 (0.315)	14.00 (0.551)	23.90 (0.941)
18	58.80 (2.315)	8.00 (0.315)	16.40 (0.646)	23.90 (0.941)
20	59.50 (2.343)	8.90 (0.350)	19.30 (0.760)	29.60 (1.165)
22	59.50 (2.343)	8.90 (0.350)	22.00 (0.866)	29.60 (1.165)
24	60.00 (2.362)	9.20 (0.362)	25.00 (0.984)	37.80 (1.488)
28	62.00 (2.441)	9.20 (0.362)	28.00 (1.102)	37.80 (1.488)
32	64.00 (2.520)	11.70 (0.461)	34.80 (1.370)	47.80 (1.882)
36	66.20 (2.606)	11.70 (0.461)	38.70 (1.524)	47.80 (1.882)
40	66.50 (2.618)	12.00 (0.472)	48.20 (1.898)	57.80 (2.276)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.



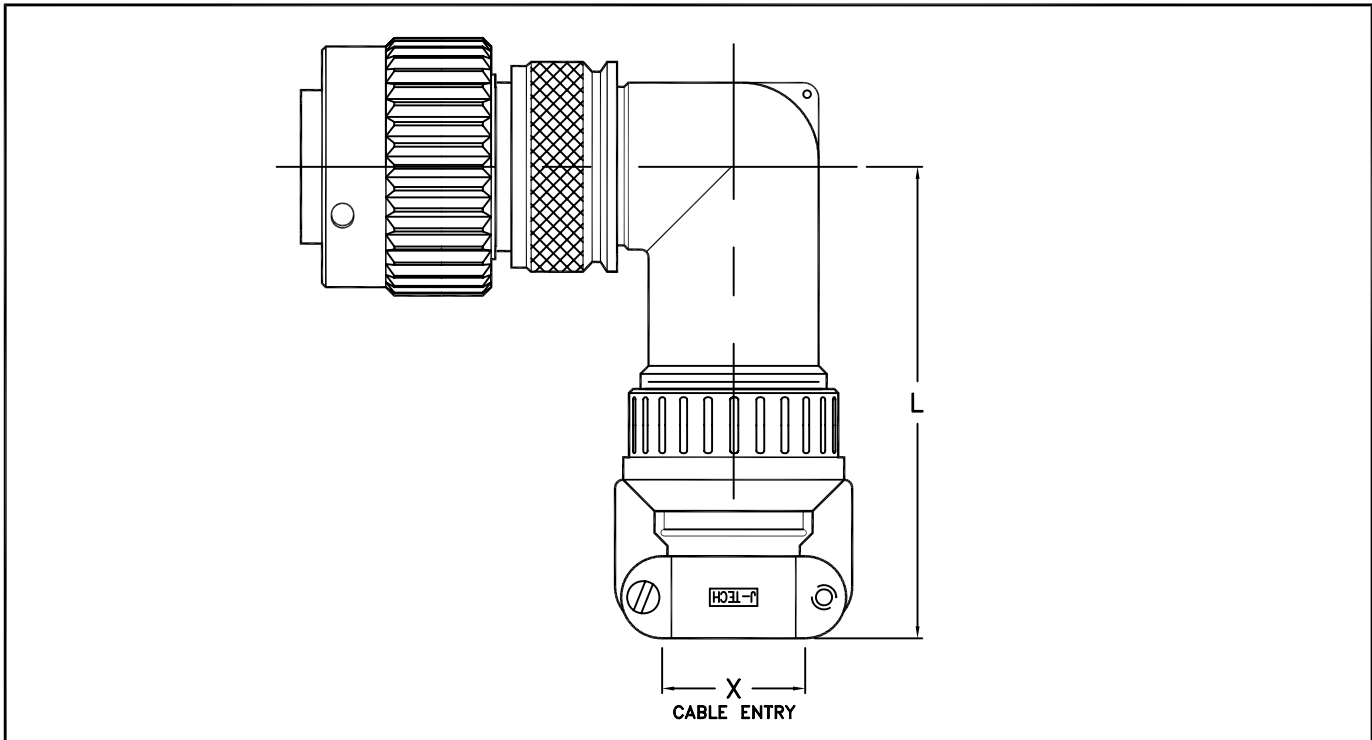
SHELL SIZE	J THREAD CLASS 2A	T REF.	øE MAX.	C REF.	øH MAX.
10SL	.625-24 UNEF	30.00 (1.181)	22.80 (0.898)	45.00 (1.772)	10.70 (0.421)
14S	.750-20 UNEF	30.00 (1.181)	29.20 (1.150)	47.00 (1.850)	11.70 (0.461)
16S	.875-20 UNEF	30.00 (1.181)	32.00 (1.260)	48.00 (1.890)	14.90 (0.587)
16	.875-20 UNEF	30.00 (1.181)	32.00 (1.260)	57.00 (2.244)	14.90 (0.587)
18	1.000-20 UNEF	35.00 (1.378)	36.50 (1.437)	58.00 (2.283)	17.40 (0.685)
20	1.188-18 UNEF	35.00 (1.378)	39.90 (1.571)	61.00 (2.402)	20.50 (0.807)
22	1.188-18 UNEF	35.00 (1.378)	43.10 (1.697)	61.00 (2.402)	23.20 (0.913)
24	1.438-18 UNEF	40.00 (1.575)	46.60 (1.835)	66.00 (2.598)	26.00 (1.024)
28	1.438-18 UNEF	40.00 (1.575)	53.40 (2.102)	66.00 (2.598)	28.90 (1.138)
32	1.750-18 UNS	45.00 (1.772)	60.10 (2.366)	72.00 (2.835)	36.70 (1.445)
36	2.000-18 UN	50.00 (1.969)	66.30 (2.610)	75.00 (2.953)	42.80 (1.685)
40	2.250-16 UN	55.00 (2.165)	72.40 (2.850)	78.00 (3.071)	48.80 (1.921)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

JT16V*K**PLUG CONNECTOR WITH SPIN COUPLING AND RIGHT ANGLE BACKSHELL AND CABLE CLAMP**

SHELL SIZE	L REF.	øX MAX.
10SL	42.00 (1.654)	7.93 (0.312)
14S	42.00 (1.654)	11.12 (0.438)
16S	45.00 (1.772)	14.27 (0.562)
16	45.00 (1.772)	14.27 (0.562)
18	53.00 (2.087)	15.87 (0.625)
20	53.00 (2.087)	19.05 (0.750)
22	53.00 (2.087)	19.05 (0.750)
24	58.00 (2.283)	23.80 (0.937)
28	58.00 (2.283)	23.80 (0.937)
32	66.00 (2.598)	31.75 (1.250)
36	69.00 (2.717)	34.93 (1.375)
40	95.00 (3.740)	41.28 (1.625)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

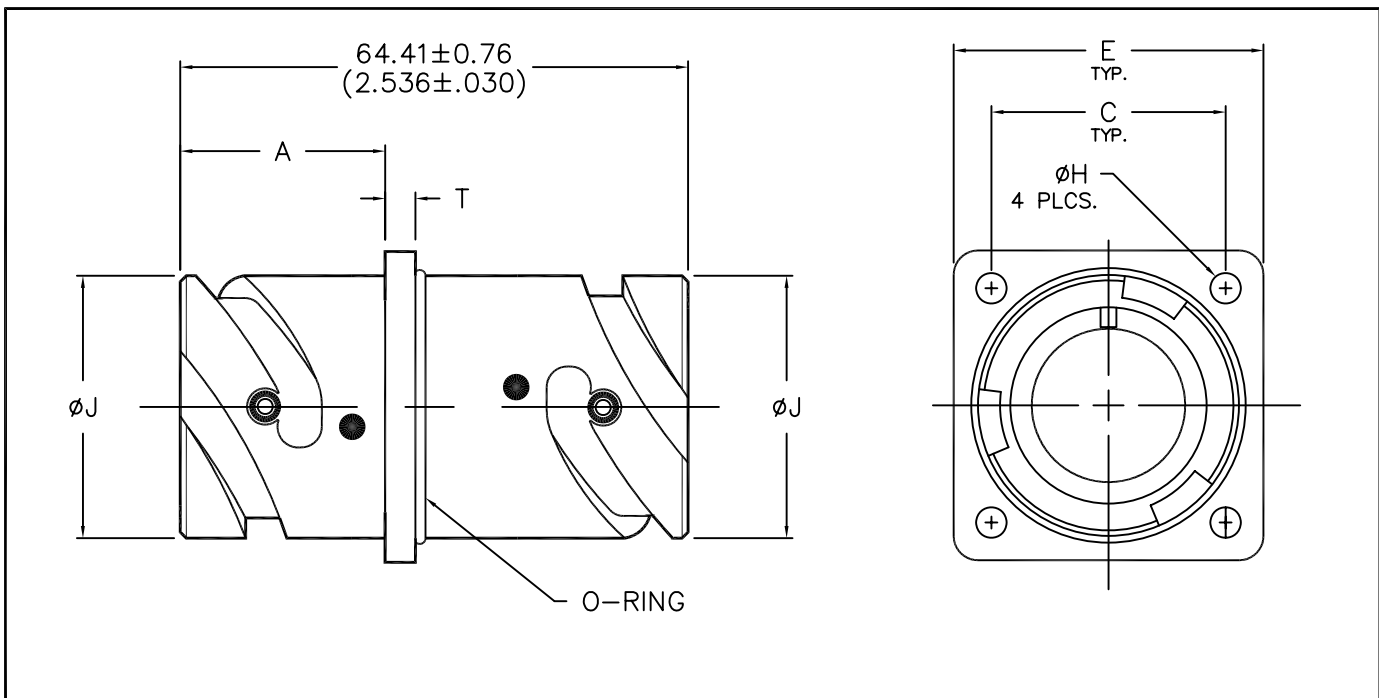
JT16VEL**PLUG CONNECTOR WITH SPIN COUPLING AND RIGHT ANGLE BACKSHELL AND WATER TIGHT CABLE CLAMP**

SHELL SIZE	L REF.	X	
		OPEN	CLOSED
10SL	61.00 (2.402)	7.93 (0.312)	2.38 (0.094)
14S	65.00 (2.559)	11.12 (0.438)	6.35 (0.250)
16S	65.00 (2.559)	13.48 (0.531)	7.92 (0.312)
16	65.00 (2.559)	13.48 (0.531)	7.92 (0.312)
18	68.00 (2.677)	15.87 (0.625)	9.52 (0.375)
20	68.00 (2.677)	19.05 (0.750)	12.70 (0.500)
22	68.00 (2.677)	19.05 (0.750)	12.70 (0.500)
24	76.00 (2.992)	23.82 (0.938)	15.10 (0.594)
28	76.00 (2.992)	23.82 (0.938)	15.10 (0.594)
32	87.00 (3.425)	31.75 (1.250)	23.82 (0.938)
36	98.00 (3.858)	34.92 (1.375)	24.60 (0.969)
40	103.00 (4.055)	41.27 (1.625)	28.90 (1.138)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

JT17VG

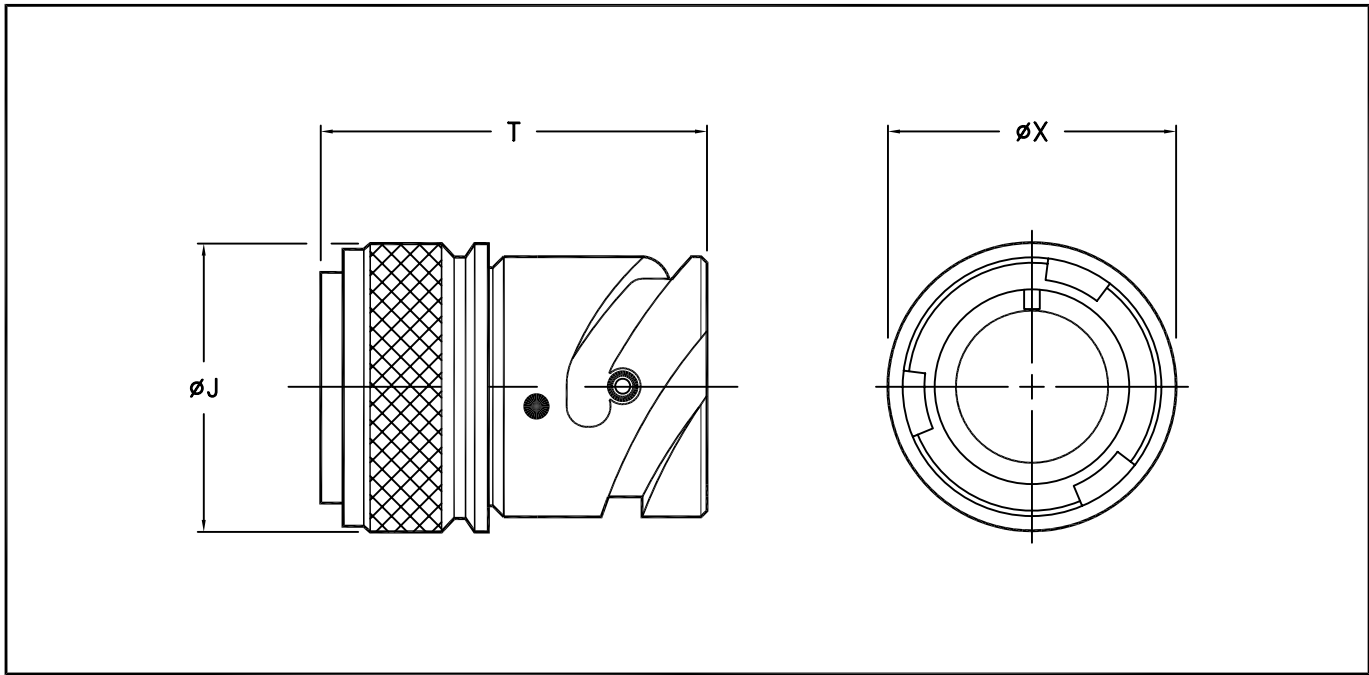
BULKHEAD FEED-THRU RECEPTACLE/RECEPTACLE



SHELL SIZE	ØJ +0.00/-0.15 (+.000/- .006)	A +0.40/-0.00 (+.016/- .000)	T ±0.20 (±.008)	E ±0.30 (±.012)	C ±0.10 (±.004)	ØH +0.10/-0.00 (+.004/- .000)
10SL	18.20 (0.717)	14.20 (0.559)	2.80 (0.110)	25.40 (1.000)	18.20 (0.717)	3.20 (0.126)
14S	24.60 (0.969)	14.20 (0.559)	3.20 (0.126)	30.00 (1.181)	23.00 (0.906)	3.20 (0.126)
16S	27.40 (1.079)	14.20 (0.559)	3.20 (0.126)	32.50 (1.279)	24.60 (0.969)	3.20 (0.126)
16	27.40 (1.079)	19.00 (0.748)	3.20 (0.126)	32.50 (1.279)	24.60 (0.969)	3.20 (0.126)
18	30.80 (1.213)	19.00 (0.748)	4.00 (0.157)	35.00 (1.378)	27.00 (1.063)	3.20 (0.126)
20	34.20 (1.346)	19.00 (0.748)	4.00 (0.157)	38.00 (1.496)	29.40 (1.157)	3.20 (0.126)
22	37.40 (1.472)	19.00 (0.748)	4.00 (0.157)	41.00 (1.614)	31.80 (1.252)	3.20 (0.126)
24	40.90 (1.610)	20.60 (0.811)	4.00 (0.157)	44.50 (1.752)	34.90 (1.374)	3.70 (0.146)
28	46.70 (1.839)	20.60 (0.811)	4.00 (0.157)	50.80 (2.000)	39.70 (1.563)	3.70 (0.146)
32	53.40 (2.102)	22.20 (0.874)	4.00 (0.157)	57.00 (2.244)	44.50 (1.752)	4.30 (0.169)
36	59.60 (2.346)	22.20 (0.874)	4.00 (0.157)	63.50 (2.500)	49.20 (1.937)	4.30 (0.169)
40	65.50 (2.579)	22.20 (0.874)	4.00 (0.157)	69.90 (2.752)	55.50 (2.185)	4.30 (0.169)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

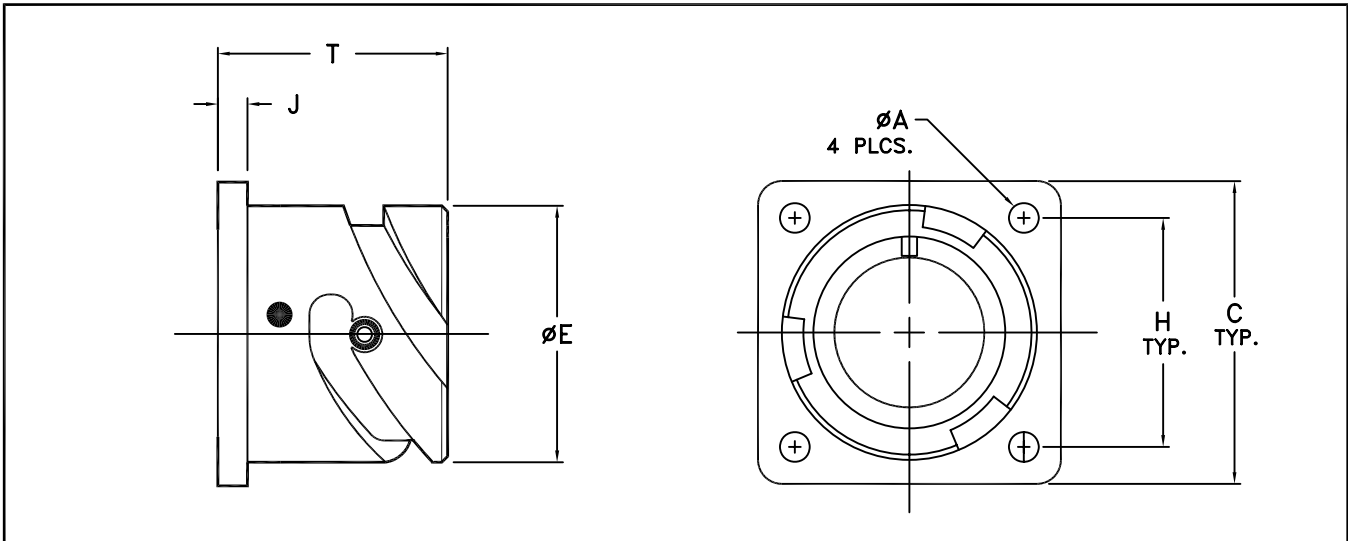
JT18VG TRANSITION CONNECTOR THREADED TO BAYONET RECEPTACLE/PLUG



SHELL SIZE	ϕJ REF.	T REF.	ϕX REF.
14S	28.50 (1.122)	36.30 (1.429)	28.00 (1.102)
16S	31.75 (1.250)	36.30 (1.429)	31.50 (1.240)
18	34.10 (1.343)	50.60 (1.992)	34.00 (1.339)
20	37.30 (1.469)	50.60 (1.992)	37.20 (1.465)
22	40.50 (1.594)	50.60 (1.992)	40.50 (1.594)
24	43.50 (1.713)	50.60 (1.992)	43.50 (1.713)
28	50.00 (1.969)	50.60 (1.992)	50.00 (1.969)
32	56.10 (2.209)	50.60 (1.992)	56.00 (2.205)
36	62.50 (2.461)	50.60 (1.992)	62.50 (2.461)
40	69.10 (2.720)	50.60 (1.992)	69.00 (2.717)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

JT19VG DUMMY RECEPTACLE



HOW TO ORDER JT19VG 16

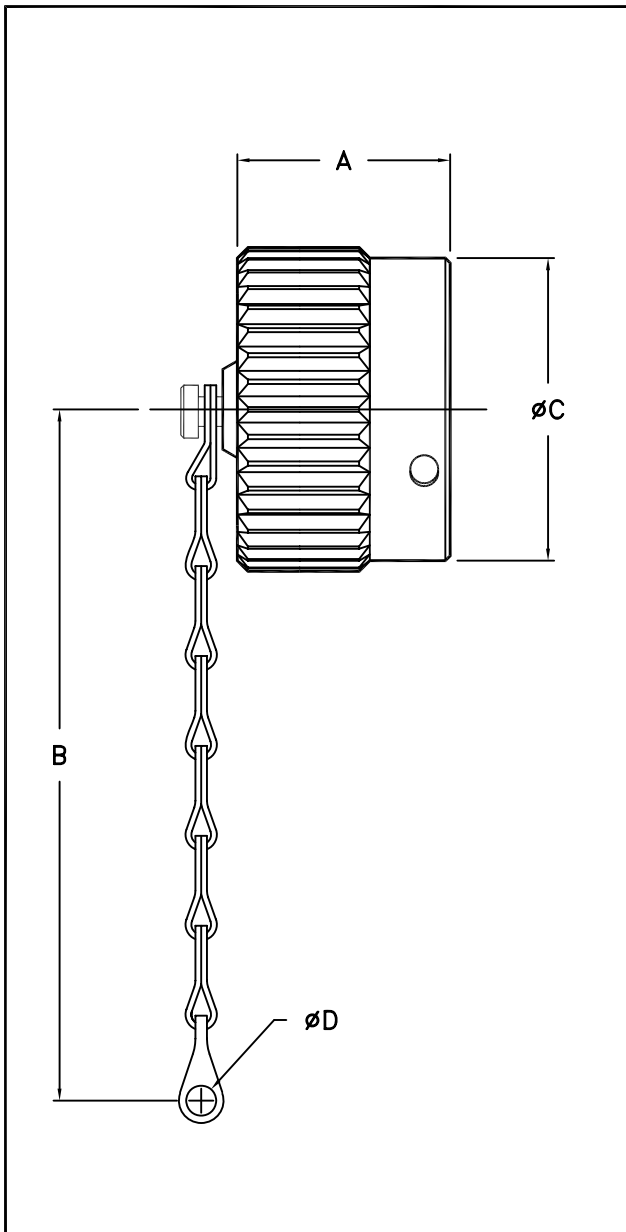
SERIES _____

SHELL SIZE _____

SHELL SIZE	J ±0.20 (±.008)	ØA +0.10/-0.00 (+.004/- .000)	T REF.	E +0.00/-0.15 (+.000/- .006)	C ±0.30 (±.012)	H ±0.10 (±.004)
10SL	2.80 (0.110)	3.20 (0.126)	17.00 (0.669)	18.20 (0.717)	25.40 (1.000)	18.20 (0.717)
14S	3.20 (0.126)	3.20 (0.126)	17.40 (0.685)	24.60 (0.969)	30.00 (1.181)	23.00 (0.906)
16S	3.20 (0.126)	3.20 (0.126)	17.40 (0.685)	27.40 (1.079)	32.50 (1.279)	24.60 (0.969)
16	3.20 (0.126)	3.20 (0.126)	22.20 (0.874)	27.40 (1.079)	32.50 (1.279)	24.60 (0.969)
18	4.00 (0.157)	3.20 (0.126)	23.00 (0.906)	30.80 (1.213)	35.00 (1.378)	27.00 (1.063)
20	4.00 (0.157)	3.20 (0.126)	23.00 (0.906)	34.20 (1.346)	38.00 (1.496)	29.40 (1.157)
22	4.00 (0.157)	3.20 (0.126)	23.00 (0.906)	37.40 (1.472)	41.00 (1.614)	31.80 (1.252)
24	4.00 (0.157)	3.70 (0.146)	24.60 (0.969)	40.90 (1.610)	44.50 (1.752)	34.90 (1.374)
28	4.00 (0.157)	3.70 (0.146)	24.60 (0.969)	46.70 (1.839)	50.80 (2.000)	39.70 (1.563)
32	4.00 (0.157)	4.30 (0.169)	26.20 (1.031)	53.40 (2.102)	57.00 (2.244)	44.50 (1.752)
36	4.00 (0.157)	4.30 (0.169)	26.20 (1.031)	59.60 (2.346)	63.50 (2.500)	49.20 (1.937)
40	4.00 (0.157)	4.30 (0.169)	26.20 (1.031)	65.50 (2.579)	69.90 (2.752)	55.50 (2.185)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

JT19DCP DUST CAP FOR RECEPTACLE CONNECTOR



HOW TO ORDER

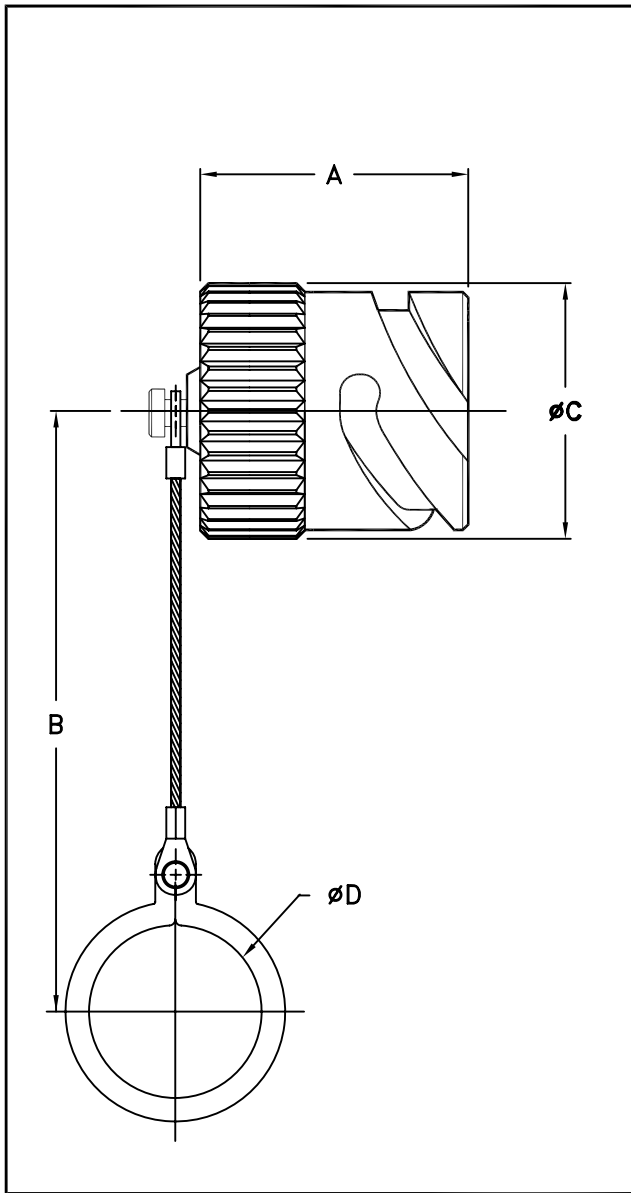
JT19DCP 16
 SERIES _____
 SHELL SIZE _____

SHELL SIZE	A REF.	B REF.	øC MAX.	øD +0.50/-0.25 (+0.020/-0.010)
10SL	16.50 (0.650)	127.00 (5.000)	23.00 (0.906)	4.40 (0.173)
14S	16.50 (0.650)	127.00 (5.000)	30.00 (1.181)	4.40 (0.173)
16S	16.50 (0.650)	127.00 (5.000)	32.50 (1.280)	4.40 (0.173)
16	21.00 (0.827)	127.00 (5.000)	32.50 (1.280)	4.40 (0.173)
18	21.00 (0.827)	127.00 (5.000)	37.00 (1.457)	4.40 (0.173)
20	21.00 (0.827)	140.00 (5.512)	40.50 (1.594)	4.40 (0.173)
22	21.00 (0.827)	140.00 (5.512)	43.50 (1.713)	4.40 (0.173)
24	21.00 (0.827)	140.00 (5.512)	47.00 (1.850)	4.40 (0.173)
28	21.00 (0.827)	190.00 (7.480)	54.00 (2.126)	5.60 (0.220)
32	21.00 (0.827)	190.00 (7.480)	60.50 (2.382)	5.60 (0.220)
36	21.00 (0.827)	190.00 (7.480)	67.00 (2.638)	5.60 (0.220)
40	21.00 (0.827)	190.00 (7.480)	73.00 (2.874)	5.60 (0.220)

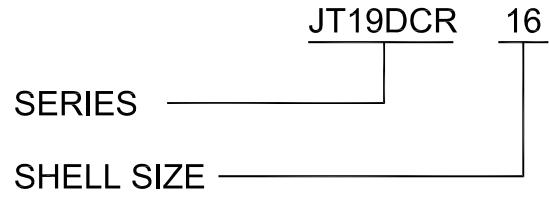
DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

JT19DCR**

DUST CAP FOR PLUG CONNECTOR



HOW TO ORDER



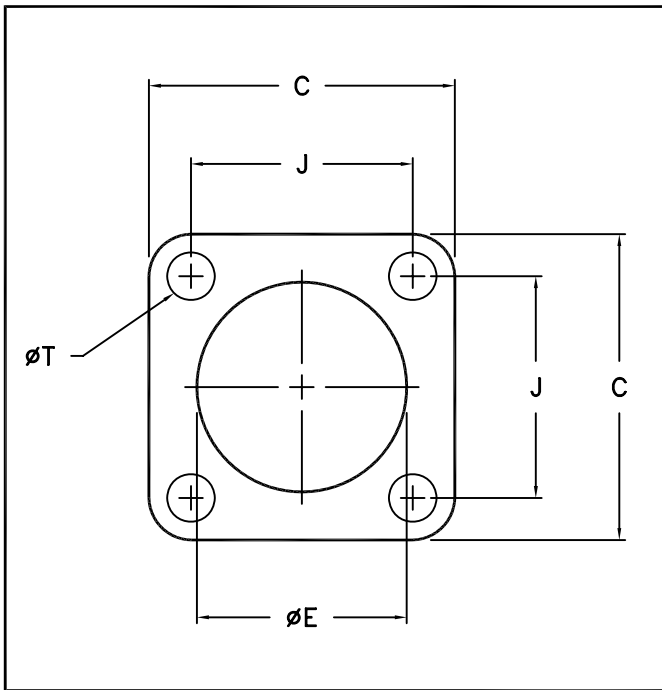
SHELL SIZE	A REF.	B REF.	ϕC REF.	ϕD +0.50/-0.00 (+0.020/-0.000)
10SL	24.00 (0.945)	127.00 (5.000)	22.30 (0.878)	4.40 (0.173)
14S	24.00 (0.945)	127.00 (5.000)	26.90 (1.059)	28.63 (1.127)
16S	32.00 (1.260)	127.00 (5.000)	29.70 (1.169)	31.45 (1.238)
16	32.00 (1.260)	127.00 (5.000)	29.70 (1.169)	32.51 (1.280)
18	32.00 (1.260)	127.00 (5.000)	33.10 (1.303)	36.37 (1.432)
20	32.00 (1.260)	140.00 (5.512)	36.50 (1.437)	39.78 (1.566)
22	32.00 (1.260)	140.00 (5.512)	39.70 (1.563)	42.98 (1.692)
24	32.00 (1.260)	140.00 (5.512)	43.20 (1.701)	46.36 (1.825)
28	32.00 (1.260)	190.00 (7.480)	49.00 (1.929)	52.40 (2.063)
32	32.00 (1.260)	190.00 (7.480)	55.70 (2.193)	59.11 (2.327)
36	32.00 (1.260)	190.00 (7.480)	61.90 (2.437)	65.30 (2.571)
40	32.00 (1.260)	190.00 (7.480)	67.70 (2.665)	71.22 (2.804)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

JTVGG*

GASKET

HOW TO ORDER



SERIES **JTVG** **G*** **16**
 GV= FRONT PANEL MOUNT
 GE = REAR PANEL MOUNT
 SHELL SIZE

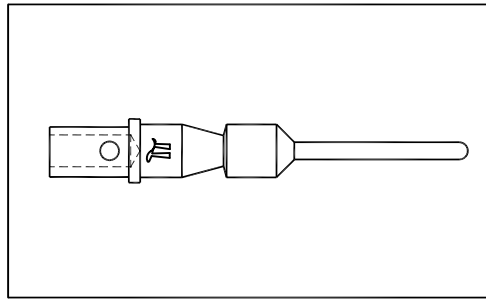
SHELL SIZE	J ±0.20 (±.007)	øT ±0.20 (±.007)	øE +0.40/-0.00 (+.015/-0.000)		C +0.40/-0.00 (+.015/-0.000)
			REAR PANEL MOUNT	FRONT PANEL MOUNT	
10SL	18.20 (0.717)	4.35 (0.171)	18.40 (0.724)	15.90 (0.626)	25.40 (1.000)
14S	23.00 (0.906)	4.35 (0.171)	24.80 (0.976)	19.10 (0.752)	30.20 (1.189)
16S	24.60 (0.969)	4.35 (0.171)	27.60 (1.087)	22.25 (0.876)	32.50 (1.280)
16	24.60 (0.969)	4.35 (0.171)	27.60 (1.087)	22.25 (0.876)	32.50 (1.280)
18	27.00 (1.063)	5.15 (0.203)	31.00 (1.220)	25.40 (1.000)	35.00 (1.378)
20	29.40 (1.157)	5.15 (0.203)	34.40 (1.354)	28.60 (1.126)	38.10 (1.500)
22	31.80 (1.252)	5.15 (0.203)	37.60 (1.480)	31.75 (1.250)	41.20 (1.622)
24	34.90 (1.374)	5.15 (0.203)	41.10 (1.618)	36.52 (1.438)	44.50 (1.752)
28	39.70 (1.563)	5.15 (0.203)	46.90 (1.846)	41.30 (1.626)	50.80 (2.000)
32	44.50 (1.752)	5.55 (0.219)	53.60 (2.110)	47.65 (1.876)	57.20 (2.252)
36	49.20 (1.937)	5.55 (0.219)	59.80 (2.354)	52.39 (2.063)	63.50 (2.500)
40	55.60 (2.189)	5.55 (0.219)	65.70 (2.587)	58.75 (2.313)	69.90 (2.752)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

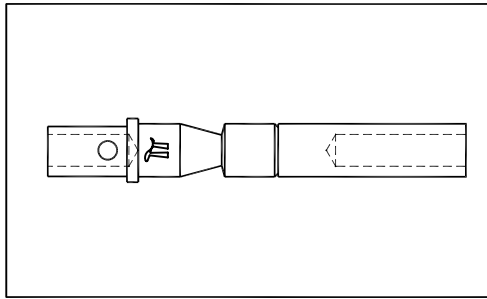
CONTACT PART NUMBERS

PIN CONTACT

PART NUMBER	PLATING	WIRE SIZE
511-110-1622	GOLD	22 - 26
511-120-1622	SILVER	22 - 26
511-110-1616	GOLD	16 - 20
511-120-1616	SILVER	16 - 20
511-220-1216	SILVER	16 - 20
511-220-1212	SILVER	12 - 16
511-220-0808	SILVER	8 - 10
511-220-0404	SILVER	4 - 6
511-220-0101	SILVER	0 - 2



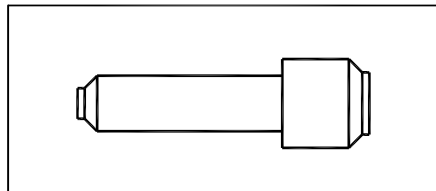
SOCKET CONTACT



PART NUMBER	PLATING	WIRE SIZE
512-110-1622	GOLD	22 - 26
512-120-1622	SILVER	22 - 26
512-110-1616	GOLD	16 - 20
512-120-1616	SILVER	16 - 20
512-220-1216	SILVER	16 - 20
512-220-1212	SILVER	12 - 16
512-220-0808	SILVER	8 - 10
512-220-0404	SILVER	4 - 6
512-220-0101	SILVER	0 - 2

SEALING PLUG

CONTACT SIZE	PART NUMBER
16	022-001-0016
12	022-001-0012
8	022-001-0008
4	022-001-0004
0	022-001-0001



CONTACT SEPARATION FORCES

SEPARATIONS FORCES		
CONTACT SIZE	NEWTONS	OUNCS (MINIMUM)
16 - 16S	1.0	3.6
12	1.5	5.4
8	3.0	10.8
4	4.0	14.39
0	8.5	30.57

CONTACT ARRANGEMENT SERVICE RATING

SERVICE RATING	OPERATING VOLTAGE DC (AT SEA LEVEL)	OPERATING VOLTAGE AC (AT SEAL LEVEL)
I	250 V	200 V
A	700 V	500 V
D	1250 V	900 V
E	1750 V	1250 V
B	2450 V	1750 V
C	4200 V	3000 V

DIELECTRIC STRENGTH (AT SEA LEVEL)

SERVICE RATING	OPERATING VOLTAGE DC (AT SEA LEVEL)	OPERATING VOLTAGE AC (AT SEAL LEVEL)
I	1400 V	1000 V
A	2800 V	2000 V
D	3600 V	2800 V
E	4500 V	3500 V
B	5700 V	4500 V
C	8500 V	7000 V

CONTACT RATING

CONTACT SIZE	MAX CURRENT AMPS	RATED CURRENT	TEST CURRENT	POTENTIAL DROP MILLIVOLTS MAX
16	22	13 A	20 A	21mV
12	41	23 A	35 A	20 mV
8	73	46 A	60 A	12 mV
4	135	80 A	110 A	10 mV
0	245	150 A	200 A	10 mV

CRIMP TOOLS

CONTACT SIZE	WIRE RANGES		FINISH WIRE DIA RANGE		CRIMPTING TOOL	TURRET OR POSITIONER
	AWG	MM ²	INCH	MM		
16	20 - 16	.05 - 1.4	.053 - .103	1.34 - 2.62	M22520/1-01	M22520/1-02
12	12 - 14	2.0 - 3.0	.085 - .158	2.15 - 4.01	M22520/1-01	M22520/1-02
8	10 - 8	5.0 - 8.5	.132 - .255	3.35 - 6.48	M22520/23-02	M22520/23-09
4	6 - 4	13 - 21	.237 - .370	6.01 - 9.40	M22520/23-04	M22520/23-11
0	2 - 0	34 - 60	.360 - 550	9.14 - 13.97	M22520/23-05	M22520/23-13

USE M22520/23-01 POWER CRIMP TOOL FOR SIZES 8, 4, AND 0 CONTACTS

INSERTION/EXTRACTION TOOLS

CONTACT SIZE	INSERTION TOOLS	EXTRACTION TOOLS
16	M81969/17-01	M81969/19-02
12	M81969/17-02	M81969/19-02
8	M81969/17-06	M81969/19-09
4	M81969/17-07	M81969/19-11
0	M81969/17-08	M81969/19-13

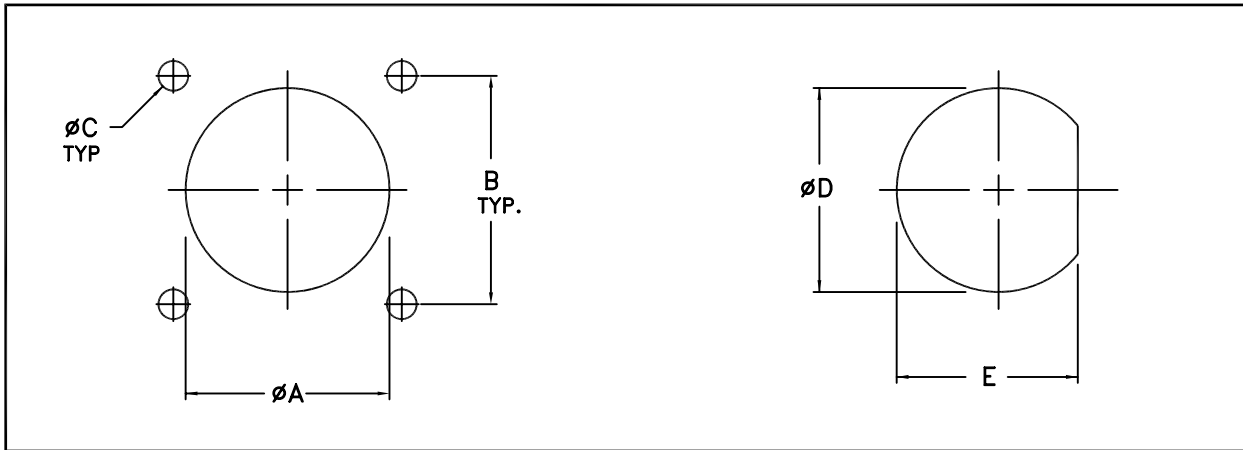
ASSEMBLY TIPS

- Strip wire to the length indicated in the table below. Do not cut the insulation or the wire strands.**

WIRE SIZE	STRIP LENGTH ±0.020
16	.250
12	.250
8	.500
4	.500
0	.625

- When removing the contacts do not ratchet the contact removal tool back and forth. This action may cause damage to the contact retention clip which could prevent the contact from locking into place.**

PANEL MOUNTING FOR RECEPTACLE CONNECTORS



PANEL CUTOUTS

SHELL SIZE JT12V* JT13V* JT15V*	$\varnothing A$		$\varnothing C$ ± 0.10 (± 0.004)	B ± 0.10 (± 0.004)	SHELL SIZE JT14V*	$\varnothing D$ $+0.025/-0.00$ ($+0.010/.000$)	$\varnothing D$ $+0.025/-0.00$ ($+0.010/.000$)
	FRONT MOUNT $+0.03/-0.00$ ($+0.012/-0.000$)	REAR MOUNT $+0.03/-0.00$ ($+0.012/-0.000$)					
10SL	17.00 (0.669)	19.10 (0.752)	3.40 (0.134)	18.20 (0.717)	10SL	22.48 (0.885)	21.20 (0.835)
14S	20.00 (0.787)	25.50 (1.004)	3.40 (0.134)	23.00 (0.787)	14S	28.83 (1.135)	27.56 (1.085)
16S	23.00 (0.906)	28.30 (1.114)	3.40 (0.134)	24.60 (0.969)	16S	32.00 (1.260)	31.24 (1.230)
16	23.00 (0.906)	28.30 (1.114)	3.40 (0.134)	24.60 (0.969)	16	32.00 (1.260)	31.24 (1.230)
18	26.50 (1.043)	31.70 (1.248)	3.40 (1.063)	27.00 (1.063)	18	35.18 (1.385)	33.90 (1.335)
20	30.00 (1.181)	35.00 (1.378)	3.40 (0.134)	29.40 (1.157)	20	38.35 (1.510)	37.10 (1.461)
22	33.00 (1.299)	38.30 (1.508)	3.40 (0.134)	31.80 (1.252)	22	41.53 (1.635)	40.26 (1.585)
24	36.00 (1.417)	41.80 (1.646)	3.90 (0.154)	34.90 (1.374)	24	44.70 (1.760)	43.43 (1.710)
28	42.00 (1.653)	47.60 (1.874)	3.90 (0.154)	39.70 (1.563)	28	51.05 (2.010)	49.78 (1.960)
32	48.50 (1.909)	54.30 (2.138)	4.50 (0.177)	44.50 (1.752)	32	57.40 (2.260)	56.13 (2.210)
36	55.00 (2.165)	60.50 (2.382)	4.50 (0.177)	49.20 (1.937)	36	63.75 (2.510)	62.48 (2.460)
40	61.00 (2.402)	66.40 (2.614)	4.50 (0.177)	55.50 (2.185)	40	70.10 (2.760)	68.83 (2.710)

DIMENSIONS IN PARENTHESIS () ARE IN INCHES.

The following are the insert arrangements for the VG series. The first chart covers those inserts available under MIL-STD-1651 which is the document that covers inserts in MIL-C-5015G and has some inserts in common with VG95234.

INSERT ARRANGEMENT BY SIZE PER MIL STD 1651												
MIL STD 1651 & VG95234	TOTAL CONTACTS	CONTACT SIZES					ALTERNATE POLARIZATIONS				SERVICE RATING	
		16	12	8	4	0	W	X	Y	Z		
8S-1	1	1										A
10S-1	1	1										A
10SL-3	3	3										A
10SL-4	2	2										A
12S-1	2	2					POSITION #12 OF 12S-3				A	
12S-2	2	2					POSITION #13 OF 12S-3X				A	
12S-3	2	2					70	145	215	290		A
12S-4	1	1										D
12-5	1		1									D
14S-1	3	3										A
14S-2	4	4						120	240			I
14-3	1			1								A
14S-4	1	1										I
14S-5	5	5						110				I
14S-6	6	6										I
14S-7	3	3						90	180	270		A
14S-9	2	2					70	145	215	290		A
14S-10	4	4					POSITION #12 OF 14S-2				I	
14S-11	4	4					POSITION #13 OF 14S-2				I	
14S-12	3	3					POSITION #2 OF 14S-1				A	
14S-13	3	3					POSITION #13 OF 14S-2				I	
14S-14	4	4					POSITION #12 OF 14S-2				A	
16S-1	7	7					80			280		E
16-2	1		1									B
16S-3	1	1										D
16S-4	2	2					35	110	250	325		A
16S-5	3	3					70	145	215	290		A
16S-6	3	3					90	180	270			A
16-7	3	2		1			80	110	250	280		A
16S-8	5	5						170	265			A
16-9	4	2	2				35	110	250	325		A
16-10	3		3				90	180	270			A
16-11	2		2				35	110	250	325		A

INSERT ARRANGEMENT BY SIZE PER MIL STD 1651

MIL STD 1651 & VG95234	TOTAL CONTACTS	CONTACT SIZES					ALTERNATE POLARIZATIONS				SERVICE RATING
		16	12	8	4	0	W	X	Y	Z	
16-12	1				1						A
16-13	2	2					THERMOCOUPLE				A
16S-14	2						POSITION #3 OF 16S-5				A
16S-15	2						POSITION #12 OF 16S-4				A
16S-16	2						POSITION #13 OF 16S-4				A
16S-17	3						POSITION #13 OF 16S-5				A
18-1	10	10					70	145	215	290	B,C,F,G=A BAL=1
18-3	2		2				35	110	250	325	D
18-4	4	4					35	110	250	280	D
18-5	3	1	2				80	110	250	280	D
18-6	1				1						D
18-7	1			1							B
18-8	8	7	1				70			290	A
18-9	7	5	2				80	110	250	280	I
18-10	4		4					120	240		A
18-11	5		5					170	265		A
18-12	6	6					80			280	A
18-13	4		3	1			80	110	250	280	A
18-14	2	1			1		80	110	250	280	A
18-15	4		4	THERMOCOUPLE				120	240		A
18-16	1		1								C
18-17	7	5	2				100° ROTATION TO RIGHT OF 18-9				I
18-18	7	5	2				250° ROTATION TO RIGHT OF 18-9				I
18-19	10	10						120	240		A
18-20	5	5					90	180	270		A
18-21	3	3									A
18-22	3	3					70	145	215	290	D
18-23	10	10					POSITION # 12 OF 18-1				B,C,F,G=A BAL=I
18-24	10	10					POSITION # 13 OF 18-1				B,C,F,G=A BAL=I
18-25	2		2				POSITION # 12 OF 18-1				D
18-26	2		2				POSITION # 13 OF 18-3				D
18-27	3	1	2				POSITION # 12 OF 18-5				D
18-28	3	1	2				POSITION # 13 OF 18-5				D
18-29	5	5					90	180	270		A

INSERT ARRANGEMENT BY SIZE PER MIL STD 1651

MIL STD 1651 & VG95234	TOTAL CONTACTS	CONTACT SIZES					ALTERNATE POLARIZATIONS				SERVICE RATING
		16	12	8	4	0	W	X	Y	Z	
18-30	5	1					POSITION # 3 OF 18-20				A
18-31	5	5					POSITION # 2 OF 18-20				A
20-1	14	14					35	110	250	325	I
20-2	1					1					D
20-3	3		3				70	145	215	290	D
20-4	4		4				45	110	250		D
20-5	2	2					35	110	250	325	E
20-6	3	3					70	145	215	290	D
20-7	8	8					80	110	250	280	A,B,G,H=D BAL=A
20-8	6	4		2			80	110	250	280	I
20-9	8	7	1				80	110	250	280	H=D BAL=A
20-10	4	4									A
20-11	13	13									I
20-12	2	1			1		80	110	250	280	A
20-13	4	4									A
20-14	5		3	2			80	110	250	280	A
20-15	7		7				80			280	A
20-16	9	7	2				80	110	250	280	A
20-17	6	1	5				90	180	270		A
20-18	9	6	3				35	110	250	325	A
20-19	3			3			90	180	270		A
20-20	4		3		1		80	110	250	280	A
20-21	9	8	1				35	110	250	325	A
20-22	6	3		3			80	110	250	280	A
20-23	2			2			35	110	250	325	A
20-24	4	2		2			35	110	250	325	A
20-25	13	13					POSITION # 12 OF 20-11				I
20-27	14	14					35	110	250	325	A
20-29	17	17					80			280	A
20-30	13	13					POSITION # 13 OF 20-11				I
20-32	8	8					POSITION # 2 OF 20-7				A
20-33	11	11									A
22-1	2			2			35	110	250	325	D
22-2	3	3					70	145	215	290	D
22-3	2	1			1		80	110	250	280	D
22-4	4		2	2			35	110	250	325	A

INSERT ARRANGEMENT BY SIZE PER MIL STD 1651

MIL STD 1651 & VG95234	TOTAL CONTACTS	CONTACT SIZES					ALTERNATE POLARIZATIONS				SERVICE RATING
		16	12	8	4	0	W	X	Y	Z	
22-5	6	4	2				35	110	250	325	D
22-6	3	1		2			80	110	250	280	D
22-7	1					1					E
22-8	2		2				35	110	250	325	E
22-9	3		3				70	145	215	290	E
22-10	4	4					35	110	250	325	E
22-11	2	2					35	110	250	325	B
22-12	5	3		2			80	110	250	280	D
22-13	5	1	4				35	110	250	325	E=D BAL=A
22-14	19	19					80	110	250	280	A
22-15	6	1	5				80	110	250	280	D=E BAL=A
22-16	9	6	3				80	110	250	280	A
22-17	18	7	1				80	110	250	280	A=D BAL=A
22-18	8	8					80	110	250	280	C,D,E=A= BAL=D
22-19	14	14					80	110	250	280	A
22-20	9	9					80	110	250	280	A
22-21	3	2				1	35	110	250	325	A
22-22	4		4					110	250		A
22-23	8		8				35	110	250		H=D BAL=A
22-24	6	4	2				80	110	250	280	C,D,E=D BAL=A
22-25	3	2				1	80	110	250	280	A
22-26	7	5	2								J=D BAL=A
22-27	9	8		1			80		250	280	A
22-28	7		7				80		280		A
22-29	7	6				1	80	110	250	280	E,F,G=A BAL=D
22-30	19	19					POSITION # 12 OF 22-14				A
22-31	2	2					POSITION # 12 OF 22-11				B
22-32	6	4	2				POSITION # 12 OF 22-11				D
22-33	7	7					80	110	250	280	E,F,G=A BAL=D
22-34	5	2	3				80	110	250	280	D
22-36	8		8	THERMOCOUPLE			90		270		H=D BAL=A
24-1	2	1				1	80	110	250	280	D
24-2	7		7				80		280		D
24-3	7	5	2				80	110	250	280	D
24-4	4	3				1	80	110	250	280	D
24-5	16	16					80	110	250	280	A

INSERT ARRANGEMENT BY SIZE PER MIL STD 1651

MIL STD 1651 & VG95234	TOTAL CONTACTS	CONTACT SIZES					ALTERNATE POLARIZATIONS				SERVICE RATING
		16	12	8	4	0	W	X	Y	Z	
24-4	4	3				1	80	110	250	280	D
24-5	16	16					80	110	250	280	A
24-6	8	8					80	110	250	280	A,G,H=D BAL=A
24-7	16	14	2				80	110	250	280	A
24-9	2				2		35	110	250	325	A
24-10*	7			7			80			280	A
24-11*	9		6	3			34	110	250	325	A
24-12*	5		3		2		80	110	250	280	A
24-14	3		2			1	80	110	250	280	A
24-15	16	16					POSITION # 12 OF 24-5				A
24-16	7	3	3	1			80	110	250	280	A,B,F,G=D BAL=A
24-17	5	3	2				80	110	250	280	D
24-18	4	4									
24-19	12	12									
24-20	11	9	2				80	110	250	280	D
24-21	10	9		1			80	110	250	280	D
24-22	4			4			45	110	250		D
24-23	5	2		3			80	110	250	280	D
24-24	16		16				POSITION # 13 OF 24-5				A
24-25	8		8				POSITION # 12 OF 24-6				A,G,H=D BAL=A
24-26	8		8				POSITION # 12 OF 24-6				A,G,H=D BAL=A
24-27	7	7					80			280	E
24-28	24	24					80	110	250	280	I
24-80	23	23					35	145	240	300	I
28-1	9		6	3			80	110	250	280	A,E,J=D BAL=A
28-2	14	12	2				35	110	250	280	D
28-3	3			3			70	145	215	290	E
28-4	9	7	2				80	110	250	280	G,P,S=E BAL=D
28-5	5	2	1		2		35	110	250	325	D
28-6	3				3		70	145	215	290	D
28-7	2				2		35	110	250	325	D
28-8	12	10	2				80	110	250	280	L,M=E B=D BAL=A
28-9	12	6	6				80	110	250	280	D
28-10	7		3	2	2		80	110	250	280	G=D BAL=A
28-11*	22	18	4				80	180	250	280	A
28-12	26	26					90	180	270		A

INSERT ARRANGEMENT BY SIZE PER MIL STD 1651

MIL STD 1651 & VG95234	TOTAL CONTACTS	CONTACT SIZES					ALTERNATE POLARIZATIONS				SERVICE RATING
		16	12	8	4	0	W	X	Y	Z	
28-15	35	35					80	110	250	280	A
28A-16	9	5			4						A
28-16	20	20					80	110	250	280	A
28-17	15	15	2				80	110	250	280	R=B M,N,P=D BAL=A
28-18	12	12					70	145	215	290	M=C, A,B=A C,D,E,F=I BAL=D
28-19	10	6	4				80	110	250	280	H,M=B B=D BAL=A
28-20	14	4	10				80	110	250	280	A
28-21	37	37					80	110	215	280	A
28-22	6	3			3		70	145	250	290	D
32-1	5		3			2	80	110	250	280	E BAL=D
32-2	5	2			3		70	145	250	290	E
32-3	9	4	2		2	1	80	110	250	280	D
32-4	14	12	2				80	110	250	280	G,H=D F,J,K,N=A
32-5	2					2	35	110	250	325	D
32-6	23	16	2	3	2		80	110	250	280	A
32-7	35	28	7				80	110	250	280	A,B,h,j=l BAL=A
32-8	30	24	6				80	110	250	280	A
32-9	14	12			2		80	110	250	280	D
32-10	7	3		2	2		80	110	250	280	C,D=A G=B, BE=D A,F=E
32-12	15	10	5				80	110	250	280	E,C,D,F,G=A BAL=D
32-13	23	18	5				80	110	250	280	D
32-14	7		5		2		35	110	250	280	D
32-15	8		6			2	35	110	250	280	D
32-16	23	16	2	3	2		POSITION # 12 OF 32-6				A
32-17	4				4		45	110	250		D
32-18	14	12	2				POSITION # 12 OF 32-6				G,H=D F,K,N=A BAL=D
32-19	5		3		2		POSITION # 12 OF 32-1				A=E BAL=D
32-20	23	16	2	3	2		POSITION # 2 OF 32-6				A
32-22	54	54					80	110	250	280	A
32-63	5				5						D
32-73	46	46					36				A
32-101	12	10	2-COAX				65	125	225	310	
32-102	14	13	1-COAX				65	125	225	310	

INSERT ARRANGEMENT BY SIZE PER MIL STD 1651

MIL STD 1651 & VG95234	TOTAL CONTACTS	CONTACT SIZES					ALTERNATE POLARIZATIONS				SERVICE RATING
		16	12	8	4	0	W	X	Y	Z	
36-1	22	18	4				80	110	250	280	D
36-2	5		2			3					D
36-3	6		3			3	70	145	215	290	D
36-4	3					3	70	145	215	290	A=D B,C=A
36-5	4					4		120	240		A
36-6	6				4	2	35	110	250	235	A
36-7	47	40	7				80	110	250	280	A
36-8	47	46	1				80	110	215	280	A
36-9	31	14	14	2	1		80	125	235	280	A
36-10	48	48					80	125	235	280	A
36-11	48	48					POSITION # 12 OF 36-10				A
36-12	45	45					POSITION # 13 OF 36-10				A
36-13	17	15	2				80	110	250	280	N,P,Q=E BAL=A
36-14	16	6	5	5			90	180	270		D
36-15	35	36					60	125	245	305	M=D BAL=A
36-16	47	40	7				POSITION # 12 OF 36-7				A
36-17	47	40	7				POSITION # 13 OF 36-7				A
36-18	31	14	14	2	1		POSITION # 12 OF 36-9				A
36-19	17	10	5		1	1	80	110	250	280	D
36-20	34	30	2	2							A
36-21	31	14	14	2	1		POSITION # 2 OF 36-9				A
36-52	52	52					72	144	216	288	A
36-66	56	52	4				80	130	260	310	A
40-1	30	24	6				65	130	235	300	D
40-2	23	23					80	110	250	280	A,B,C,D,E=B BAL=D
40-3	23	18	4		1		80	110	250	280	D
40-4	23	16	2	3	2		80	110	250	280	D
40-5	15		6	4	2	3	80	110	250	280	A
40-6	26	24	1			1	80	110	250	280	D
40-7	22	18	2			2	80	110	250	280	W,X,U,V,P,Q=A BAL=A
40-9	47	24	22	1			65	125	225	310	A
40-10	29	16		9	4		65	125	225	310	A
40-11	25	18	4	1	1	1	80	110	250	280	D
40-12	29	22	6			1					D
40-13	23	23					POSITION # 12 OF 40-2				A,B,C,D,E=B BAL=D

INSERT ARRANGEMENT BY SIZE PER MIL STD 1651												
MIL STD 1651 & VG95234	TOTAL CONTACTS	CONTACT SIZES					ALTERNATE POLARIZATIONS				SERVICE RATING	
		16	12	8	4	0	W	X	Y	Z		
40-12	29	22	6			1						D
40-13	23	23					POSITION # 12 OF 40-2				A,B,C,D,E=B BAL=D	
40-14	32	21	10			1						D
40-56	85	85					72	144	216	288		A
40-62	60	60					30	130	220	290		A

THIS CHART DEPICTS OTHER VG95235 INSERTS AND SPECIAL INSERTS TOOLED FOR SPECIFIC APPLICATIONS

INSERT ARRANGEMENT BY SIZE PER VG95234 AND SPECIAL INSERTS													
VG95234 & OTHER INSERTS	TOTAL CONTACTS	CONTACT SIZES					ALTERNATE POLARIZATIONS				SERVICE RATING		
		16	12	8	4	0	W	X	Y	Z			
10SL-55	3	3					THERMOCOUPLE				I		
16A-10	10	ALL SIZES 18 AWG CONTACTS					35	112	235	315		A	
18-61	1	SIZE 4 AWG COAX CONTACT											
20A-8	8	6		2			35	110	250	325		D	
20A-9*	9	9						110	250			J=D BAL=I	
20A-48*	19	19						80	280			I	
22A-10	10	10			2			120	240			A	
22A-37	37	ALL SIZE 18 AWG CONTACTS					80	112	250	280		A	
24A-1	1					1						B	
24A-7	7		7				80			280		D	
24A-28	28	28					65	146	235			I	
24A-25	25	25					80	110	250	280		A	
24-67	19		19				80			335		A	
28A-9	9	5			4		45	110	250			A	
28A-10	10		10									D	
28-51	12		12				80	135	195			D	
28-59	17	10	7									A	
28A-63*	28	19	9					100	260			E=A BAL=I	
32A-1	1	SIZE 4/0 AWG CONTACT											A
32A-5	5				5		90	180				A	
32A-8	8	8					35	122		315		A	
32A-13	13	13					35	130	230	295		D	

INSERT ARRANGEMENT BY SIZE PER MIL STD 1651

MIL STD 1651 & VG95234	TOTAL CONTACTS	CONTACT SIZES					ALTERNATE POLARIZATIONS				SERVICE RATING	
		16	12	8	4	0	W	X	Y	Z		
32A-27	27	17	10								A	
32A-40	40	40									A	
32A-48	48	48									A	
32A-55	55	55					80	110	250	280	A	
32-59	42	40		2			36	108	252	324	A	
32-68	16	12			4		35	135	225	275	A	
32A-69	61	20 SIZE 16 AWG, 41 SIZE 20 AWG CONTACTS						110	250			I
32-76	19		19				80	110	250	280	D	
32-101	101	ALL SIZE 20 AWG CONTACTS					30	142				A
36A-1	1	SIZE 4/0 AWG CONTACTS										D
36A-2	2					2					A	
36A-10	10			8	2		45	110	250	315	A	
36B-10	10			8	2						A	
36A-22	22		22				80	110	250	280	D	
36A-48	48	48					65				A	
36-54	39	31		8			67				A	
36A-61	6		4		2		80			280	E	
36A-72	72	4 SIZE 12 AWG, 16 SIZE 16 52 SIZE 18 AWG CONTACTS										I
36-77	7			7							D	
36-78	14	2		12			35	106	254	325	D	
40A-1	1	SIZE 4/0 AWG CONTACT										E
40A-3	5						70	145	215	290	A	
40A-4	6										D	
40A-10	8	4			4		80	135	195		A	
40A-14	14		6		8		80	135	195		A	
40-19	19		17		2						A	
40A-19	19			17	2		35	110	250	325	A	
40B-19	19			19							A	
40A-21	21	20			1					295	A	
40A-30	30		29		1					295	A	
40A-31	31	31					80	110	250	280	D	
40A-35	35		35				70	130	230	290	D	
40A-37	37	37					80	110	250	280	A	
40B-37	37	37					30	135			A	

INSERT ARRANGEMENT BY SIZE PER MIL STD 1651												
MIL STD 1651 & VG95234	TOTAL CONTACTS	CONTACT SIZES					ALTERNATE POLARIZATIONS				SERVICE RATING	
		16	12	8	4	0	W	X	Y	Z		
40A-38	38		38				37	74	285	322	A	
40A-60	60	60					80			280	A	
32A-48	48	ALL SIZE 18 AWG CONTACTS										A

CONSULT FACTORY FOR AVAILABILITY