



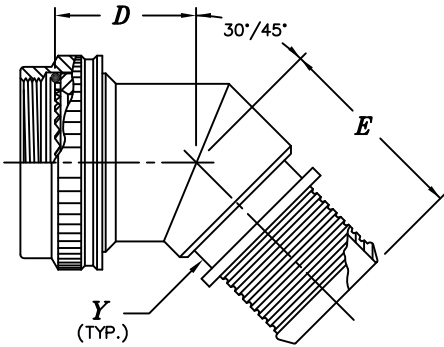
ELECTRO ADAPTER, INC.
 CHATSWORTH, CALIFORNIA, USA 91311
 PHONE: (818) 998-1198
 FAX: (818) 709-5773
 WEB SITE: www.electro-adapter.com

EMP BAND ADAPTER

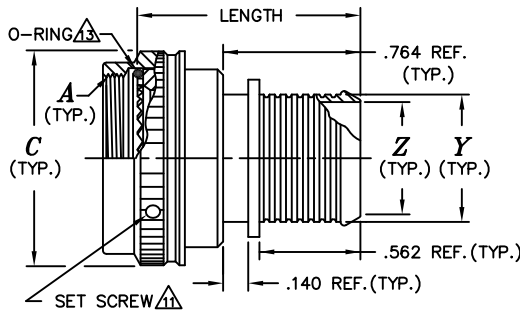
ENTRY SPECIFICATION SHEET *

SPECIFICATION CONTROL DRAWING

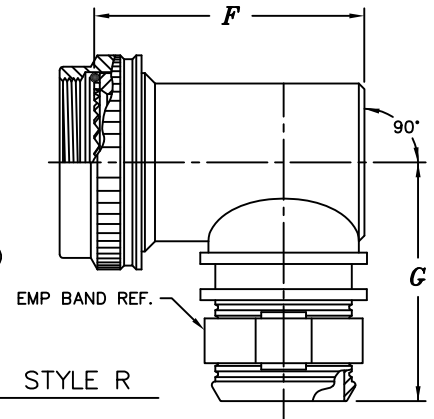
217



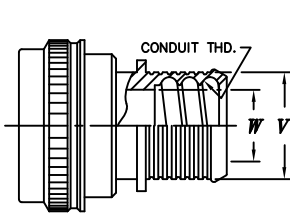
STYLE A, F OR G
SEE PART NUMBER



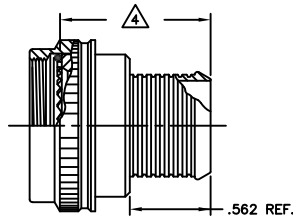
STYLE S



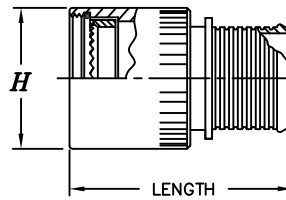
STYLE R



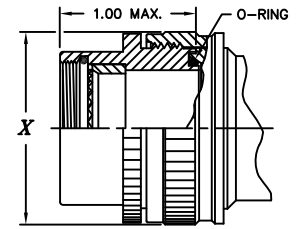
MODIFICATION C
(HELICAL CONDUIT THREAD)



MODIFICATION Z
(LESS BOOT GROOVE)



STYLE B



2 PIECE Δ

Example Part Number

21741S161030855H

BASIC ADAPTER NUMBER

STYLE
 S = STRAIGHT F = 30°
 A = 45° G = 60°
 R = 90° B=BASIC

ORDER NO. PER TABLE II

MODIFICATION CODE Δ
 S = SELF LOCKING ROUND COUPLING.
 Z = LESS BOOT GROOVE, OMIT FOR STANDARD BOOT GROOVE Δ
 C = HELICAL CONDUIT THREAD

TABLE - CONNECTOR CODE		
MILITARY SPECIFICATION	SERIES	CODE NO.
MIL-DTL-5015D	3100	1 8
MIL-DTL-83723	II	1 9
MIL-DTL-26482	1	2 1
MIL-DTL-26482	1 (07)	2 4
MIL-DTL-28840	-	3 0
MIL-DTL-22992	-	3 2
MIL-DTL-38999	III & IV	40 Δ
MIL-DTL-38999	I & II	41 Δ
LN 29729, PATT 615, PAN 6433-2,	-	47
MIL-DTL-26500	(ALUMINUM)	5 1
MIL-DTL-5015G	3400	54 Δ
MIL-C-81703	3	54 Δ
MIL-DTL-83723	I	54 Δ
MIL-DTL-26482	2	54 Δ
MIL-DTL-83723	III	54 Δ
NAS1599	-	54 Δ
MIL-C-81511	1, 2, 3 & 4	6 1
PATT 105, PATT 603, PATT 608	-	76

ENTRY ORDER NO.	EMP BAND/HELICAL CONDUIT					
	Z +.010 -.020 DIA.	X MAX DIA.	CONDUIT THREAD SIZE	W REF. DIA.	V ±.015 DIA.	
0 2	.125	N/A	N/A	N/A	N/A	
0 3	.188	N/A	N/A	N/A	N/A	
0 4	.250	N/A	N/A	N/A	N/A	
0 5	.312	.734	0188	.188	.413	
0 6	.375	.734	0281	.281	.507	
0 7	.438	.858	0312	.312	.531	
0 8	.500	.858	0375	.375	.603	
0 9	.562	N/A	0438	.438	.664	
1 0	.625	1.112	0500	.500	.743	
1 2	.750	1.345	0625	.625	.863	
1 4	.875	1.345	N/A	N/A	N/A	
1 6	1.000	1.594	0750	.750	1.023	
1 8	1.125	1.594	0875	.875	1.166	
1 9	1.188	1.594	N/A	N/A	N/A	
2 0	1.250	1.969	1000	1.000	1.319	
2 2	1.375	2.219	N/A	N/A	N/A	
2 4	1.500	2.219	1250	1.250	1.632	

PLATING CODE NUMBER
 10 = PASSIVATE, PER SAE AMS-QQ-P-35 (MATERIAL=SST)
 12 = ZINC NICKEL, BLACK, PER ASTM B841 OVER ELECTROLESS NICKEL
 13 = ZINC COLBALT, OLIVE DRAB, PER ASTM B840-99
 55 = CADMIUM, OLIVE DRAB, PER SAE-AMSQQ-P-416, TYPE , CLASS 3, OVER ELECTROLESS NICKEL
 56 = ELECTROLESS NICKEL PER SAE-AMS-2404F, WITH IRIDITE CONVERSION
 FOR ADDITIONAL FINISH OPTIONS, SEE CATALOG TABLE 4.

LENGTH CODE NUMBER
 SELECT LENGTH IN 1/4" INCREMENTS (ie; 08=2.00", 09=2.25", etc.)
 00 FOR 45° & 90° ADAPTERS (STYLES A & R)

MIN. AVAIL. LENGTH	CONNECTOR CODES (TABLE I)
1.250 Δ Δ	18, 21, 40, 41, 47, 51, 52, 54, 55, 71
1.500 Δ Δ	24, 30, 32, 61, 64

TERMINATION NUMBER
 1 = ADAPTER ONLY
 3 = ADAPTER w/ 1/4" EMP BAND AND SHRINK SLEEVE TUBE (REF 27-RP)
 4 = ADAPTER w/ 1/4" EMP BAND (REF. 214L0002)
 5 = ADAPTER w/ 1/4" EMP BAND AND SHRINK BOOT (REF 202K)
 6 = ADAPTER w/ 1/8" EMP BAND (ENTRY 13-24 CUSTOMER SUPPLIED)
 7 = ADAPTER w/ 1/8" EMP BAND (ENTRY 13-24 CUSTOMER SUPPLIED)
 8 = ADAPTER w/ 1/8" EMP BAND (REF. 214L0005)
 9 = ADAPTER w/ 1/4" EMP BAND (REF. 214L0006)

* THIS DOCUMENT INCOMPLETE WITHOUT "INTERFACE SPECIFICATION SHEET".



**TABLE II – CONNECTOR CODE 40
 MIL-DTL-38999, SERIES III&IV**

ORDER NO.	SHELL SIZE		<i>A</i> METRIC THD. CLASS 6H	ϕC MAX.	<i>D</i> MAX.	<i>E</i> MAX. $\triangle 4$	<i>F</i> MAX.	<i>G</i> MAX. $\triangle 4$	ϕH $\pm .031$	BAND MAX. 1 PIECE ENTRY	MOD. C MAX. 1 PIECE ENTRY
	COM'L.	MIL.									
0 8	9	A	M12 x 1.0	.703	.52	1.15	.84	1.28	.625	0 4	0 5
1 0	11	B	M15 x 1.0	.827	.54	1.17	.97	1.34	.750	0 6	0 8
1 2	13	C	M18 x 1.0	.953	.57	1.20	1.09	1.41	.875	0 8	1 0
1 4	15	D	M22 x 1.0	1.077	.59	1.23	1.22	1.47	1.000	1 0	1 2
1 6	17	E	M25 x 1.0	1.203	.62	1.25	1.34	1.53	1.125	1 2	1 6
1 8	19	F	M28 x 1.0	1.327	.63	1.26	1.41	1.59	1.250	1 3	1 6
2 0	21	G	M31 x 1.0	1.453	.66	1.29	1.53	1.66	1.375	1 5	1 8
2 2	23	H	M34 x 1.0	1.577	.68	1.32	1.66	1.72	1.500	1 7	2 0
2 4	25	J	M37 x 1.0	1.703	.71	1.34	1.78	1.78	1.625	1 9	2 0

NOTES:

1. ASSEMBLY IDENT. PER MIL-STD-1285.
2. MATERIAL: COMPONENTS – ALUM. ALLOY
 O’RING – SILICONE
- $\triangle 3$ "2 PIECE" CONFIG. SUPPLIED WHEN CABLE
 ENTRY DIA. EXCEEDS CONN. INSERT DIA..
- $\triangle 4$ DIMENSIONS INDICATED WILL BE .20" LESS
 WHEN ORDERED WITH MOD. CODE Z.
- $\triangle 5$ FOR MULTIPLE MOD. CODES USE SEQUENCE
 SHOWN.



**TABLE II — CONNECTOR CODE 41
 MIL-DTL-38999, SERIES I & II**

ORDER NO.	SHELL SIZE		<i>A</i> UNIFIED THD. CLASS 2B	ϕC MAX.	<i>D</i> MAX.	<i>E</i> MAX. $\triangle 4$	<i>F</i> MAX.	<i>G</i> MAX. $\triangle 4$	ϕH $\pm .031$	BAND MAX. 1 PIECE ENTRY	MOD. C MAX. 1 PIECE ENTRY
	SER. II	SER. I									
0 8	8	9	.438-28	.703	.52	1.15	.84	1.28	.562	0 4	0 5
1 0	10	11	.562-24	.827	.54	1.17	.97	1.34	.688	0 6	0 8
1 2	12	13	.688-24	.953	.57	1.20	1.09	1.41	.812	0 8	1 0
1 4	14	15	.812-20	1.077	.59	1.23	1.22	1.47	.938	1 0	1 2
1 6	16	17	.938-20	1.203	.62	1.25	1.34	1.53	1.062	1 2	1 6
1 8	18	19	1.062-18	1.327	.63	1.26	1.41	1.59	1.188	1 3	1 6
2 0	20	21	1.188-18	1.453	.66	1.29	1.53	1.66	1.312	1 5	1 8
2 2	22	23	1.312-18	1.577	.68	1.32	1.66	1.72	1.438	1 7	2 0
2 4	24	25	1.438-18	1.703	.71	1.34	1.78	1.78	1.562	1 9	2 0

NOTES:

1. ASSEMBLY IDENT. PER MIL-STD-1285.
2. MATERIAL: COMPONENTS — ALUM. ALLOY
O’RING — SILICONE
- $\triangle 3$ "2 PIECE" CONFIG. SUPPLIED WHEN CABLE ENTRY DIA. EXCEEDS CONN. INSERT DIA..
- $\triangle 4$ DIMENSIONS INDICATED WILL BE .20" LESS WHEN ORDERED WITH MOD. CODE Z.
- $\triangle 5$ FOR MULTIPLE MOD. CODES USE SEQUENCE SHOWN.



TABLE II — CONNECTOR CODE 54

MIL-DTL-26482, SERIES 2
 MIL-DTL-5015G, 3400 SERIES
 MIL-C-81703, SERIES 3
 MIL-DTL-83723, SERIES I & III
 NAS1599

ORDER NO.	SHELL SIZE		A UNIFIED THD. CLASS 2B	øC MAX.	D MAX.	E MAX. 4 6	F MAX.	G MAX. 4 6	øH ø.031	BAND MAX. 1 PIECE ENTRY	MOD. C MAX. 1 PIECE ENTRY
	8	7									
0 3	3	-	.562-24	.71	.55	1.15	.84	1.28	.688	0 4	0 5
0 8	-	8,8S	.500-20	.71	.55	1.15	.84	1.28	.625	0 4	0 5
1 0	-	10,10S,10SL	.625-24	.78	.57	1.17	.97	1.31	.750	0 6	0 7
1 2	7	12,12S	.750-20	.90	.60	1.20	1.09	1.38	.875	0 8	1 0
1 4	12	14,14S	.875-20	1.03	.61	1.21	1.16	1.44	1.000	0 8	1 0
1 6	19	16,16S	1.000-20	1.15	.64	1.24	1.28	1.50	1.125	1 0	1 2
1 8	27	18	1.062-18	1.23	.65	1.25	1.34	1.53	1.188	1 2	1 6
2 0	37	20	1.188-18	1.36	.68	1.28	1.47	1.59	1.312	1 4	1 8
2 2	-	22	1.312-18	1.48	.70	1.30	1.59	1.66	1.438	1 6	2 0
2 4	-	24	1.438-18	1.61	.73	1.33	1.72	1.72	1.562	1 8	2 0
2 8	-	28	1.750-18	1.99	.78	1.38	1.97	1.88	1.875	2 0	2 4
3 2	-	32	2.000-18	2.24	.83	1.43	2.22	2.00	2.125	2 4	2 4
3 6	-	36	2.250-16	2.49	.86	1.46	2.34	2.13	2.375	2 4	2 4
4 0	-	40	2.500-16	2.74	.91	1.51	2.59	2.25	2.625	2 4	2 4
4 4	-	44	2.750-16	2.99	.96	1.56	2.84	2.38	2.875	2 4	2 4
4 8	-	48	3.000-16	3.24	1.01	1.61	3.09	2.50	3.125	2 4	2 4
6 1	61	-	1.500-18	1.67	.74	1.34	1.78	1.75	1.625	1 8	2 0

NOTES:

1. ASSEMBLY IDENT. PER MIL-STD-1285.
2. MATERIAL: COMPONENTS — ALUM. ALLOY
O'RING — SILICONE

8 SIZES PER MIL-C-81703, SERIES 3.

- 3 "2 PIECE" CONFIG. SUPPLIED WHEN CABLE ENTRY DIA. EXCEEDS CONN. INSERT DIA..
- 4 DIMENSIONS INDICATED WILL BE .20" LESS WHEN ORDERED WITH MOD. CODE Z.
- 5 FOR MULTIPLE MOD. CODES USE SEQUENCE SHOWN.
- 6 FOR MODIFICATION C AND ENTRY 24, ADD .188" TO LENGTH SHOWN.
- 7 SIZES PER MIL-DTL-5015 (3400 SERIES), MIL-DTL-26482 (SERIES 2), MIL-DTL-83723 (SERIES I & III), & NAS1599.