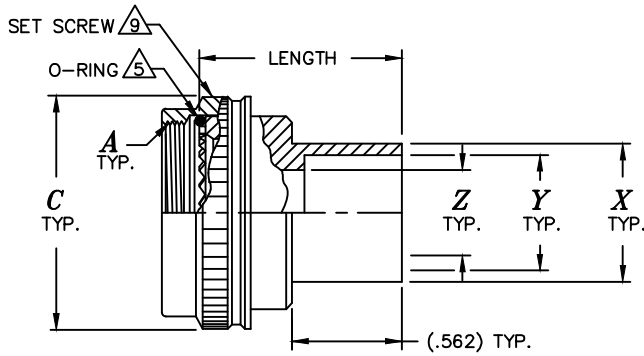




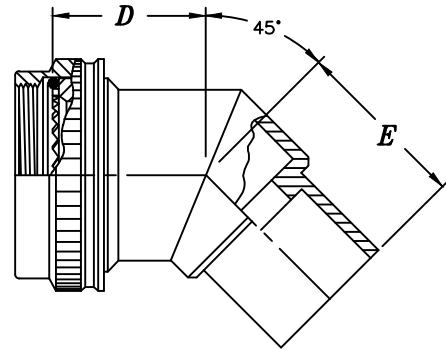
ELECTRO ADAPTER, INC.
 CHATSWORTH, CALIFORNIA, USA 91311
 PHONE: (818) 998-1198
 FAX: (818) 709-5773
 WEB SITE: www.electro-adapter.com

**METAL CONDUIT ADAPTER,
 SOLDER TERMINATION,
 STRAIGHT, 45°, 90°**
 ENTRY SPECIFICATION SHEET *

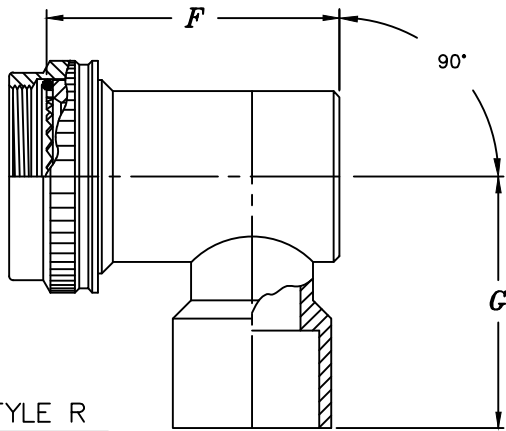
SPECIFICATION CONTROL DRAWING
 119



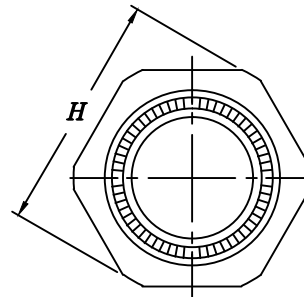
STYLE S



STYLE A



STYLE R



MODIFICATION H
 (HEX COUPLING NUT)

Example Part Number

1 1 9 4 1 S 1 6 1 0 0 8 5 5 H B

BASIC ADAPTER NUMBER

STYLE
 S = STRAIGHT
 A = 45°
 R = 90°

ORDER NO. PER TABLE II

O-RING
 B = BUNA-N
 OMIT FOR SILICONE

MODIFICATION CODE
 S = SELF LOCKING ROUND COUPLING.
 H = SELF-LOCKING HEX COUPLING, OMIT FOR STANDARD SPIN COUPLING

PLATING CODE NUMBER
 55 = CADMIUM, OLIVE DRAB, PER QQ-P-416, TYPE II, CLASS 3, OVER ELECTROLESS NICKEL PER MIL-C-26074, CLASS 3 OR 4, GRADE B
 56 = ELECTROLESS NICKEL PER MIL-C-26074, CLASS 3 OR 4, GRADE A
 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 1.000

MILITARY SPECIFICATION	SERIES	CODE NO.
MIL-C-26482	I	21 (9)
MIL-C-38999	III & IV	40 (7)
MIL-C-38999	I & II	41 (6)
MIL-C-26482	2	54 (8)
MIL-C-5015G	3400	54 (8)
MIL-C-81703	3	54 (8)
MIL-C-83723	I	54 (8)
MIL-C-83723	III	54 (8)
NAS1599	-	54 (8)
-	-	34 (3)

ENTRY ORDER NO.	Z +.010 -.020 DIA.	Y ±.015 DIA.	X MAX DIA.
0 8	.250	.409	.534
1 2	.375	.531	.656
1 4	.438	.593	.719
1 6	.500	.688	.812
2 0	.625	.812	.938
2 4	.750	.938	1.062
3 2	1.000	1.250	1.375
4 0	1.250	1.469	1.594
4 8	1.500	1.765	1.890
5 6	1.750	2.000	2.062
6 4	2.000	2.219	2.344

* THIS DOCUMENT INCOMPLETE WITHOUT "INTERFACE SPECIFICATION SHEET".



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

ORDER NO.	SHELL SIZE		<i>A</i> METRIC THD. CLASS 6H	<i>C</i> MAX. DIA.	<i>D</i> MAX.	<i>E</i> MAX.	<i>F</i> MAX.	<i>G</i> MAX.	<i>H</i> MAX. DIA.	MAX. ENTRY
	COM'L.	MIL.								
0 8	9	A	M12 x 1.0	.703	.52	.80	.84	1.04	.813	0 8
1 0	11	B	M15 x 1.0	.827	.54	.81	.97	1.10	.938	1 2
1 2	13	C	M18 x 1.0	.953	.57	.83	1.09	1.16	1.125	1 6
1 4	15	D	M22 x 1.0	1.077	.59	.86	1.22	1.22	1.250	2 0
1 6	17	E	M25 x 1.0	1.203	.62	.90	1.34	1.29	1.375	2 4
1 8	19	F	M28 x 1.0	1.327	.63	.92	1.41	1.35	1.500	2 4
2 0	21	G	M31 x 1.0	1.453	.66	.94	1.53	1.41	1.625	3 2
2 2	23	H	M34 x 1.0	1.577	.68	.97	1.66	1.47	1.750	3 2
2 4	25	J	M37 x 1.0	1.703	.71	1.00	1.78	1.54	1.875	4 0

NOTES:

1. ASSEMBLY IDENT. PER MIL-STD-130.
2. MATERIAL: COMPONENTS – ALUM. ALLOY
O’RING – SILICONE

- 5 NOT PROVIDED ON CONNECTOR CODES 54 & 55
- 6 FOR SHROUD INSTEAD OF O-RING USE CONNECTOR CODE 36.
- 7 FOR SHROUD INSTEAD OF O-RING USE CONNECTOR CODE 38.
- 8 FOR THRU TEETH AND SHROUD USE CONNECTOR CODE 55.



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

ORDER NO.	SHELL SIZE		<i>A</i> UNIFIED THD. CLASS 2B	<i>C</i> MAX. DIA.	<i>D</i> MAX.	<i>E</i> MAX.	<i>F</i> MAX.	<i>G</i> MAX.	<i>H</i> MAX. DIA.	MAX. ENTRY
	SER. II	SER. I								
0 8	8	9	.438-28	.703	.52	.80	.84	1.04	.813	0 8
1 0	10	11	.562-24	.827	.54	.81	.97	1.10	.938	1 2
1 2	12	13	.688-24	.953	.57	.83	1.09	1.16	1.125	1 6
1 4	14	15	.812-20	1.077	.59	.86	1.22	1.22	1.250	2 0
1 6	16	17	.938-20	1.203	.62	.90	1.34	1.29	1.375	2 4
1 8	18	19	1.062-18	1.327	.63	.92	1.41	1.35	1.500	2 4
2 0	20	21	1.188-18	1.453	.66	.94	1.53	1.41	1.625	3 2
2 2	22	23	1.312-18	1.577	.68	.97	1.66	1.47	1.750	3 2
2 4	24	25	1.438-18	1.703	.71	1.00	1.78	1.54	1.875	4 0

NOTES:

1. ASSEMBLY IDENT. PER MIL-STD-130.
2. MATERIAL: COMPONENTS — ALUM. ALLOY
O’RING — SILICONE

△5 NOT PROVIDED ON CONNECTOR CODES
54 & 55

△6 FOR SHROUD INSTEAD OF O-RING USE
CONNECTOR CODE 36.

△7 FOR SHROUD INSTEAD OF O-RING USE
CONNECTOR CODE 38.

△8 FOR THRU TEETH AND SHROUD USE
CONNECTOR CODE 55.



TABLE II — CONNECTOR CODE 54

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

ORDER NO.	SHELL SIZE		<i>A</i> UNIFIED THD. CLASS 2B	<i>C</i> MAX. DIA.	<i>D</i> MAX.	<i>E</i> MAX.	<i>F</i> MAX.	<i>G</i> MAX.	<i>H</i> MAX. DIA.	MAX. ENTRY
	△4	△3								
0 3	3	-	.562-24	.669	.55	.80	.84	1.04	.880	0 8
0 8	-	8,8S	.500-20	.617	.55	.80	.84	1.04	.880	0 8
1 0	-	10,10S,10SL	.625-24	.734	.57	.81	.97	1.07	.942	1 2
1 2	7	12,12S	.750-20	.858	.60	.83	1.09	1.13	1.068	1 6
1 4	12	14,14S	.875-20	.984	.61	.85	1.16	1.19	1.192	1 6
1 6	19	16,16S	1.000-20	1.112	.64	.87	1.28	1.25	1.318	2 0
1 8	27	18	1.062-18	1.218	.65	.90	1.34	1.29	1.380	2 4
2 0	37	20	1.188-18	1.345	.68	.92	1.47	1.35	1.505	2 4
2 2	-	22	1.312-18	1.468	.70	.95	1.59	1.41	1.630	3 2
2 4	-	24	1.438-18	1.593	.73	.97	1.72	1.47	1.755	3 2
2 8	-	28	1.750-18	1.969	.78	1.02	1.97	1.63	2.068	4 8
3 2	-	32	2.000-18	2.219	.83	1.07	2.22	1.75	2.318	4 8
3 6	-	36	2.250-16	2.469	.86	1.10	2.34	1.88	2.568	4 8
4 0	-	40	2.500-16	2.719	.91	1.14	2.59	2.00	2.818	4 8
4 4	-	44	2.750-16	2.969	.96	1.20	2.84	2.13	3.068	4 8
4 8	-	48	3.000-16	3.219	1.01	1.25	3.09	2.25	3.318	4 8
6 1	61	-	1.500-18	1.653	.74	.98	1.78	1.50	1.818	3 2

NOTES:

1. ASSEMBLY IDENT. PER MIL-STD-130.
2. MATERIAL: COMPONENTS — ALUM. ALLOY
O’RING — SILICONE

△3 SIZES PER MIL-C-5015 (3400 SERIES), MIL-C-26482 (SERIES 2), MIL-C-83723 (SERIES I & III), & NAS1599.

△4 SIZES PER MIL-C-81703, SERIES 3.

△5 NOT PROVIDED ON CONNECTOR CODES 54 & 55

△6 FOR SHROUD INSTEAD OF O-RING USE CONNECTOR CODE 36.

△7 FOR SHROUD INSTEAD OF O-RING USE CONNECTOR CODE 38.

△8 FOR THRU TEETH AND SHROUD USE CONNECTOR CODE 55.



STANDARD FINISHES

PLATING CODE	FINISH	SPECIFICATION	ACCESSORY MATERIAL	CORROSION RESISTANCE (HRS)	ROHS COMPLIANT
0 3	CADIUM PLATE, OLIVE DRAB	SAE AMS-QQ-P-416, TYPE II, CLASS 3	ALUMINUM	96	NO
1 0	PASSIVATE	SAE AMS-QQ-P-35, (AS85049 CODE S)	STAINLESS STEEL	1000	YES
1 2	ZINC NICKEL, BLACK	ASTM B841	ALUMINUM	500	YES
1 3	ZINC COBALT, OLIVE DRAB	ASTM B840-99	ALUMINUM	96	NO
1 4	ZINC COBALT, BLACK	ASTM B840-99	ALUMINUM	96	NO
2 1	IRIDITE, 14-2, GOLD	IRIDITE, NUMBER 14-2 PER MIL-DTL-5541 CL 3	ALUMINUM	96	NO
3 4	ANODIZE, BLACK	MIL-A-8625, TYPE II, CL 3 (AS85049 CODE A)	ALUMINUM	1000	YES
3 5	ANODIZE ,GREY	MIL-A-8625, TYPE II, CLASS 2	ALUMINUM	500	YES
4 4	ANODIZE, HARD, BLACK	MIL-A-8625, TYPE II, CLASS 2	ALUMINUM	500	YES
4 5	ANODIZE, HARD, GREY	MIL-A-8625, TYPE II, CLASS 2	ALUMINUM	1000	YES
4 8	ELECTROLESS NICKEL	AMS-2404F, CLASS 4, GRADE B	STAINLESS STEEL	48	NO
5 1	ELECTROLESS NICKEL	AMS-2404F, CLASS 4, GRADE B	ALUMINUM	48	NO
5 5	CADIUM PLATE, OLIVE DRAB, OVER ELECTROLESS NICKEL	SAE AMS-QQ-P-416, TYPE II, CLASS 3, OVER ELECTROLESS NICKEL, PER AMS-2404F (AS85049 CODE W)	ALUMINUM	1000	NO
5 6	ELECTROLESS NICKEL	AMS-2404F, CLASS 4, GRADE A	ALUMINUM	96	NO
5 6 R	ELECTROLESS NICKEL	AMS-2404F, CLASS 4, GRADE A	ALUMINUM	48	YES
5 7	ELECTROLESS NICKEL	AMS-2404F, CLASS 4, GRADE A (AS85049 CODE N)	ALUMINUM	96	NO
64	CADIUM PLATE, OLIVE DRAB, OVER ELECTROLESS NICKEL	SAE AMS-QQ-P-416, TYPE II, CLASS 3, OVER ELECTROLESS NICKEL, PER AMS-2404F (SELECTIVE PLATING REF AS85049 CODE P)	ALUMINUM	1000	NO
85	PASSIVATED	SAE AMS-QQ-P-35	316 SST	1000	YES
87	BEAD BLASTED	N/A	NI. ALUM. BRONZE	1000	YES

NOTES: UNLESS OTHERWISE SPECIFIED

- CORROSION RESISTANCE IS SPECIFIED FOR SALT SPRAY IN ACCORDANCE WITH AS85049
- CONSULT FACTORY FOR OTHER FINISHES
- FINISHES ARE APPLICABLE TO THE CONNECTOR ACCESSORIES ONLY AND EXCLUDE FASTENERS AND OTHER HARDWARE
- EMI/RFI ACCESSORIES ARE SUPPLIED WITH CONDUCTIVE FINISHES ONLY
- ANODIZE NOT SUITABLE FOR EMI SHIELDING OR GROUNDING APPLICATIONS
- ALL THE CONDUCTIVE FINISHES USED ON ALUMINUM CAN ALSO BE USED ON BRASS (CONSULT FACTORY)
- CADMIUM/NICKEL INTERFACE SHALL BE COATED WITH POLYSULFIDE SEALANT (REF FIGURE 2 BELOW)

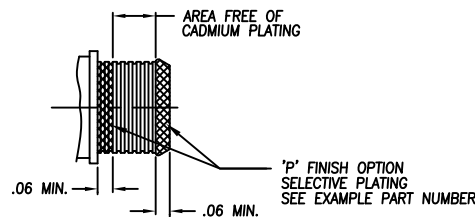


FIGURE 2



STANDARD MATERIALS

COMPONENT	MATERIAL	SPECIFICATION
MACHINED COMPONENTS	ALUMINUM STAINLESS STEEL (300 SERIES) BRASS NICKEL ALUMINUM BRONZE	ASTM B221, ASTM B211 (MFG OPTION) AMS-QQ-S-763, QQ-S-764 (MFG OPTION) QQ-B-626 ASTMB150 (AMS4640)
DIE CAST COMPONENTS	ALUMINUM	ASTM B 85
FASTENERS AND HARDWARE	STAINLESS STEEL (300 SERIES) STEEL BRASS	AMS-QQ-S-763 SAE20, QQ-S-634, QQ-S-637 QQ-B-626
ELASTOMERIC SEALS	SILICONE BUNA-N NEOPRENE	ZZ-R-765B, MIL-R-25988 AMS-3209 MIL-R-3065

NOTES: UNLESS OTHERWISE SPECIFIED

1. THE SPECIFIED MATERIALS ARE STANDARD FOR THE MAJORITY OF CONNECTOR ACCESSORIES
2. CONSULT FACTORY FOR OTHER MATERIALS
3. FOR DOCUMENTS LISTED WITHIN THIS CATALOG WITH OUT A TOLERANCE SHOWN SHALL HAVE TOLERANCES AS FALLOWED:
 - .X = $\pm .2$
 - .XX = $\pm .12$
 - .XXX = $\pm .062$
 - X° = $\pm 10^\circ$