



ELECTRO ADAPTER INC.
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**SECTION 1 - MECHANICAL
STRAIN RELIEF , EMI / RFI
DUAL BEVEL RINGS , SPLIT SHELL
SAE AS85049 CATEGORY 3**

E * * 03

SHEET 1 OF 2

Add'l Finish Options TABLE V Click Here

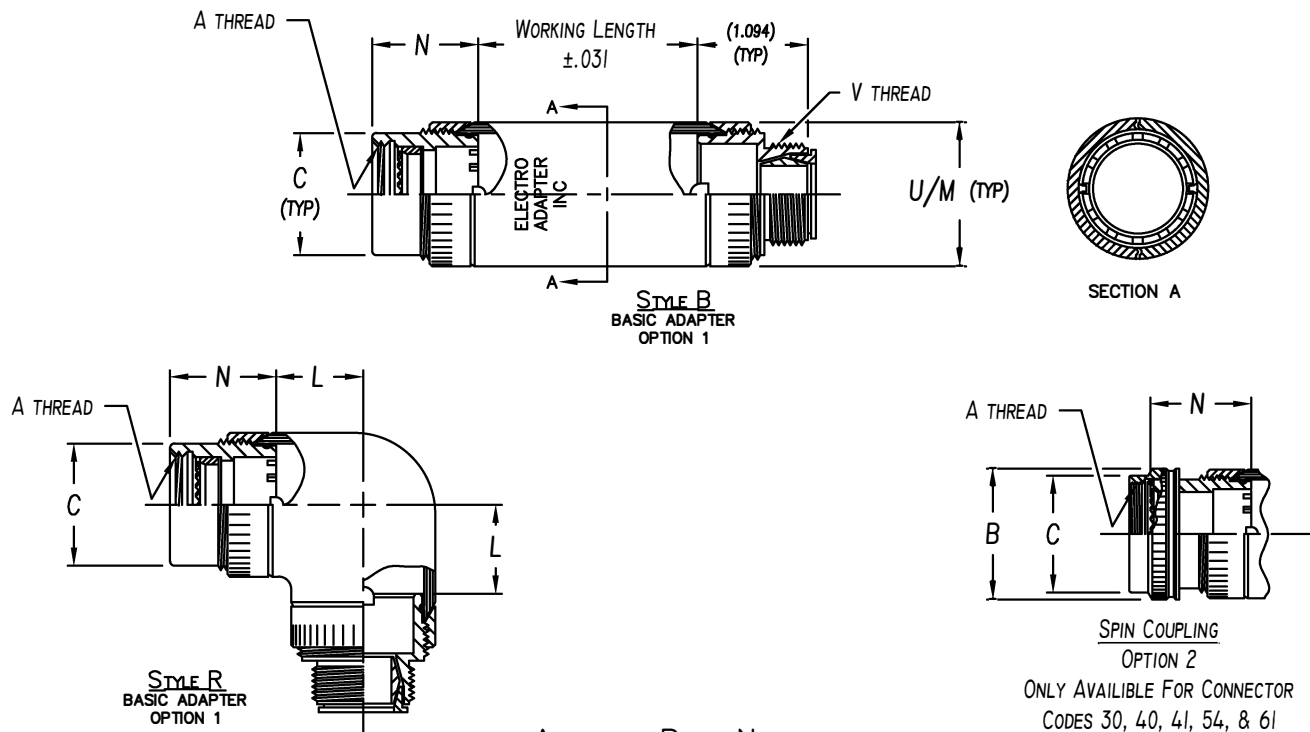
Table 2 - Cable Entry Data

ENTRY ORDER NUMBER	ENVIRONMENTAL		NON ENVIRONMENTAL		V UNIFIED THREAD
	GLAND MAX	RANGE MIN	CABLE MAX	RANGE MIN	
03	.250	.156	.250	.156	.500-28
04	.312	.188	.312	.188	.625-24
06	.438	.281	.438	.281	.750-20
08	.562	.375	.562	.344	.875-20
10	.625	.500	.625	.375	1.000-20
12	.750	.500	.750	.438	1.188-18
16	.938	.625	.938	.562	1.438-18
20	1.250	.938	1.250	.750	1.750-18
24	1.375	1.000	1.375	.781	2.000-18
28	1.625	1.250	1.625	.969	2.250-16
32	1.875	1.500	1.875	1.125	2.500-16

WHEN MAXIMUM CABLE ENTRY EXCEEDS THE
CONNECTOR INTERFACE DIAMETER, A 2 PIECE
ADAPTER WILL BE SUPPLIED.

Table 3 - Length Code Data

CONN CODE NUMBER	N MAX	M ±.031 DIA. BY ACCESSORY ORDER NUMBER			
		1.250	1.469	1.688	1.875
18	1.250	01 - 19	24 - 30	35, 40	49
19	1.188	04 - 19	24, 29	35, 40	49
21	1.000	04 - 23	28, 34	39, 44	-
30	1.375	15, 19	24, 29	35, 44	48
32	1.625	15, 19	24, 29	35, 40	49
40	1.062	07 - 21	26, 32	37, 47	-
41	1.000	04 - 23	28, 34	39, 44	-
47	1.000	04 - 23	28, 34	39, 44	-
51	1.000	04 - 23	28, 34	39, 44	-
54	.719	05 - 19	24 - 34	39, 44	51
61	.875	06 - 25	31	36, 41	46
76	1.000	04 - 23	28, 34	39, 44	-
		.750	.875	1.000	1.125
		L ±.062 DIA. BY ACCESSORY ORDER NUMBER			



ASSEMBLY PART NUMBER
TO ESTABLISH YOUR P/N, USE THE FOLLOWING EXAMPLE

E 41 03 S 23 08 9 08 1 51

FUNCTION DESIGNATOR
E-EMI ADAPTER

CONNECTOR CODE NUMBER - TABLE 1 (6)

SERIES PART NUMBER

ADAPTER STYLE
B = STRAIGHT ADAPTER
R = 90° ADAPTER

ACCESSORY ORDER NUMBER-TABLE 1

CABLE ENTRY ORDER NUMBER-TABLE 2

MOD CODE (6)

PLATING CODE NUMBER-TABLE 4 (6)

SPIN COUPLING OPTION
1 - SOLID ADAPTER
2 - SPIN COUPLING ADAPTER

WORKING LENGTH CODE NUMBER
01=.250 06=1.500 08=2.000
10=2.500 12=3.000
INSERT 00 FOR R STYLE ADAPTER

CABLE STRAIN RELIEF - SEE TABLE V (8)

Table 1 - Order Number Data

E * * 03

SHEET 2 OF 2

Accessory Order Number By Connector Code & Shell Size

MS3100 SERIES MIL-DTL-5015 SOLDER CONTACT MIL-DTL-26482 SERIES 1 MIL-DTL-22992 CLASS C, J & R MIL-DTL-38999 SERIES III & IV MIL-DTL-38999 SERIES I & II MIL-DTL-5015 CRIMP MIL-DTL-26482 SER 2 MIL-DTL-83723 SER III MIL-C-81703 NAS 1599 LITTON, YEAM, CIR SERIES MIL-C-81511 SERIES 1, 2, 3 & 4 PATT 105, PATT 603 PATT 608													
ORDER NUMBER	18 ④	21	32 ②	40 ③	41	54	64	61	76	A UNIFIED THREAD	B MAX DIA.	C MAX DIA.	ORDER NUMBER
01	8S (B)									.375-32	.750	.531	01
03	8S (A)									.438-27	.812	.594	03
04	8S (C)	8			8, 9				8	.438-28	.812	.594	04
05						8 & 8S				.500-20	.875	.656	05
06	10S (-)							8, A		.500-28	.875	.656	06
07				9, A						M12 x 1.0	.719	.656	07
08	10SL (C)	10			10, 11		3		10	.562-24	.844	.719	08
10	10SL(A,B), 12, 12S(B,C)					10, 10S, 10SL		12		.625-24	1.000	.781	10
11								10, B		.625-28	1.000	.781	11
12				11, B						M15 x 1.0	.844	.781	12
13	12 & 12S (A)	12			12, 13				12	.688-24	1.062	.844	13
15	14 & 14S (-)		12			12 & 12S	7	14		.750-20	1.125	.906	15
16				13, C						M18 x 1.0	.969	.906	16
18		14			14, 15				14	.812-20	1.188	.969	18
19	16 & 16S (-)		14			14 & 14S	12	16		.875-20	1.250	1.031	19
20								14, D		.875-28	1.250	1.031	20
21				15, D						M22 x 1.0	1.094	1.031	21
23		16			16, 17				16	.938-20	1.312	1.094	23
24	18 (-)		16			16 & 16S	19	18		1.000-20	1.375	1.156	24
25								16, E		1.000-28	1.375	1.156	25
26				17, E						M25 x 1.0	1.219	1.156	26
28		18			18, 19	18	27		18	1.062-18	1.438	1.219	28
29	20 (-)		18					20		1.125-18	1.500	1.281	29
30	20 (R)									1.125-24	1.500	1.281	30
31								18, F		1.125-28	1.500	1.281	31
32				19, F						M28 x 1.0	1.344	1.281	32
34		20			20, 21	20	37		20	1.188-18	1.562	1.344	34
35	22 (-)		20					22		1.250-18	1.625	1.406	35
36								20, G		1.250-28	1.625	1.406	36
37				21, G						M31 x 1.0	1.469	1.406	37
39		22			22, 23	22			22	1.312-18	1.688	1.469	39
40	24 (-)		22					24		1.375-18	1.750	1.531	40
41								22, H		1.375-28	1.750	1.531	41
42				23, H						M34 x 1.0	1.594	1.531	42
44		24			24, 25	24			24	1.438-18	1.812	1.594	44
45							61			1.500-18	1.875	1.656	45
46								24, J		1.500-28	1.875	1.656	46
47				25, J						M37 x 1.0	1.719	1.656	47
48										1.562-18	1.938	1.719	48
49	28 (-)		24					28		1.625-18	2.000	1.781	49
51						28				1.750-18	2.125	1.906	51
52	32 (B,C)		28					32		1.875-16	2.250	2.031	52
53	32 (A,R)									1.906-18	2.281	2.062	53
54						32				2.000-18	2.375	2.156	54
55	36 (B)		32					36		2.062-16	2.469	2.219	55
56	36 (R)									2.062-24	2.469	2.219	56
57	36 (C)									2.125-16	2.500	2.281	57
58	36 (A)									2.125-18	2.500	2.281	58
59						36				2.250-16	2.625	2.406	59
60	40 (B)		36					40		2.312-16	2.719	2.469	60
61	40 (A,C)									2.375-16	2.750	2.531	61
62						40				2.500-16	2.875	2.656	62

NOTES: UNLESS OTHERWISE SPECIFIED.

1 THREADS ARE RIGHT HAND IN ACCORDANCE WITH FED-STD-H28, CLASS 2B.

② THREADS NOTED ARE LEFT HAND, CLASS 2B.

③ THREADS NOTED ARE ISO METRIC, CLASS 6H.

④ CODE 18 SHELL SIZES ARE FOLLOWED IN PARENTHESIS BY CONNECTOR MFR CODE. SEE CONNECTOR CODE 18 CHART AT RIGHT & EXAMPLE PART NUMBER FOR DETAILS.

5 TABLE 1 LISTS THE MOST USED CONNECTOR CODES. SEE SECTION 11 FOR OTHER CODES AVAILABLE AND COMPLETE CONNECTOR PART NUMBER CROSS REFERENCE.

⑥ SEE SUPPORT DATA SECTION FOR PLATING AND MODIFICATION CODE OPTIONS.

⑦ ADD .25 TO "N" FOR CONNECTOR CODES 30, 32 & 61.

⑧ SEE SUPPORT DATA SECTION FOR **TABLE VI** & AVAILABLE STYLES

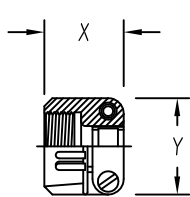
④ Connector Code 18 Chart

CONNECTOR CODE	CONNECTOR MANUFACTURER
	(MS3100, MS3101, MS3106 & MS3107)
A	AMPHENOL, CLASS A
B	BENDIX, CLASS A, E & R
C	CANNON, CLASS A, E & R
D	MFR. UNKNOWN, CLASS A, E & R
R	AMPHENOL, CLASS R
-	MFR. CODE NOT REQUIRED

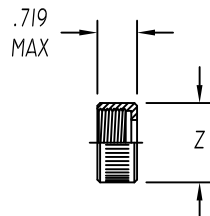


Table 2 - Environmental / Non-Environmental Cable Entry Data

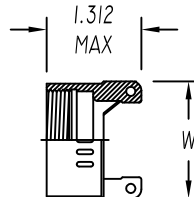
ENTRY ORDER NUMBER	ENVIRONMENTAL GLAND RANGE		NON ENVIRONMENTAL CABLE RANGE		V	R	S	T	U	W	X	Y	Z
	MAX	MIN	MAX	MIN	UNIFIED THREAD	MAX DIM.	MAX DIM.	MAX DIM.	MAX DIM.	MAX DIM.	MAX DIM.	MAX DIM.	MAX DIA.
△ 03	.250	.156	.250	.156	.500-28	N / A	.812	1.375	.812	N / A	.844	.781	.656
04	.312	.188	.312	.188	.625-24	1.031	.937	1.375	.937	.875	.844	.906	.781
06	.438	.281	.438	.281	.750-20	1.031	1.062	1.375	1.062	1.000	.906	1.094	.906
08	.562	.375	.562	.344	.875-20	1.031	1.188	1.375	1.188	1.125	.969	1.188	1.031
10	.625	.500	.625	.375	1.000-20	1.094	1.312	1.437	1.312	1.250	.969	1.281	1.156
12	.750	.500	.750	.438	1.188-18	1.219	1.562	1.437	1.562	1.375	.969	1.500	1.344
△ 14	.875	.750	.875	.719	1.250-18	N / A	N / A	N / A	N / A	1.500	N / A	N / A	N / A
16	1.000	.844	1.000	.781	1.438-18	1.219	1.750	1.562	1.750	1.625	1.062	1.719	1.594
20	1.250	.938	1.250	.750	1.750-18	1.344	2.250	1.812	2.250	1.750	1.125	2.062	1.906
24	1.375	1.000	1.375	.781	2.000-18	N / A	2.375	2.062	2.375	N / A	1.188	2.312	2.156
28	1.625	1.250	1.625	.969	2.250-16	N / A	2.625	2.062	2.625	N / A	1.719	2.719	2.406
32	1.875	1.500	1.875	1.125	2.500-16	N / A	2.812	2.188	2.812	N / A	1.781	2.969	2.656



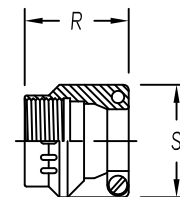
STYLE 1 △
AS85049/41A CLAMP
(MS 3057**A)



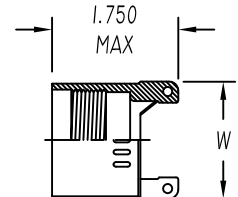
STYLE 2 △
NUT



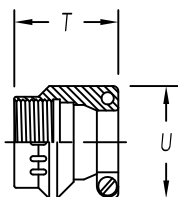
STYLE 3 △
NON-ENVIRONMENTAL



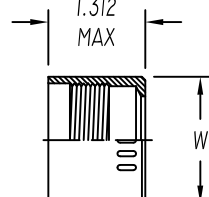
STYLE 3 △
NUT
ENVIRONMENTAL
(AS85049/1)
(MS 3057-**B)



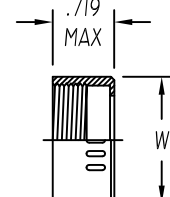
STYLE 3 △
ENVIRONMENTAL



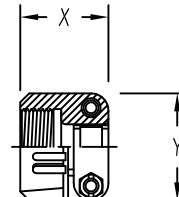
STYLE 4 △
STRAIN RELIEF
ENVIRONMENTAL
(AS85049/2)
(MS 3057-**C)



STYLE 4 △
ENVIRONMENTAL



STYLE 4 △
NON-ENVIRONMENTAL



STYLE 9 △
STRAIN-RELIEF CLAMP
WITH TELESCOPING SCREWS

NOTES: UNLESS OTHERWISE SPECIFIED

△1 AVAILABLE ONLY ON: A**01, A**30, E**01, E**03, E**04, E**05, E**07, E**21, E**30, & E**33

△2 AVAILABLE ONLY ON: E**15, E**17, E**38, E**40, & E**41

3. CONSULT FACTORY FOR SIZES AND INFORMATION NOT LISTED