ELECTRO ADAPTER INC.
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SECTION 1 - MECHANICAL
STRAIN RELIEF, SINGLE RING ,
SAE AS85049 CATEGORY 2B

Add'l Finish Options TABLE V Click Here

Table 2 - Cable Entry Data

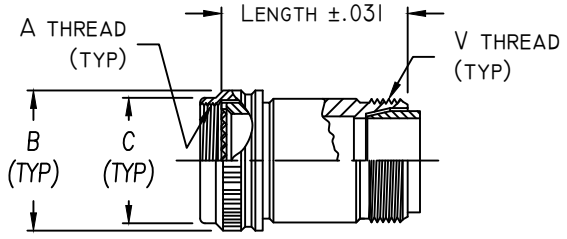
ENTRY ORDER NUMBER	ENVIRONMENTAL GLAND RANGE MAX	ENVIRONMENTAL GLAND RANGE MIN	NON ENVIRONMENTAL CABLE RANGE MAX	NON ENVIRONMENTAL CABLE RANGE MIN	V UNIFIED THREAD
03	.250	.156	.250	.156	.500-28
04	.312	.188	.312	.188	.625-24
06	.438	.281	.438	.281	.750-20
08	.562	.375	.562	.344	.875-20
10	.625	.500	.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.

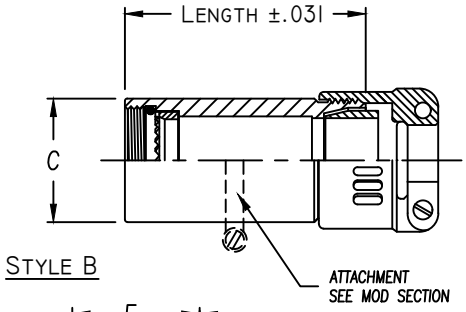
Table 3 - Length Code Data

CONN CODE NUMBER	MIN ORDER LENGTH	MIN LENGTH CODE
40	1.250	05
41	1.250	05
54	1.250	05

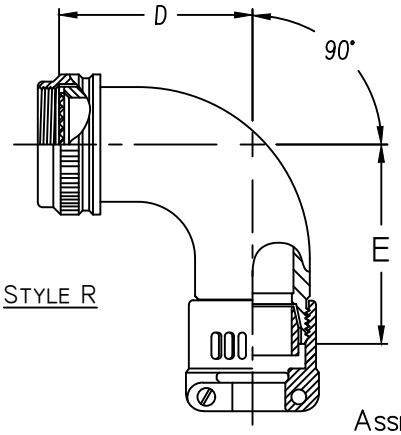
OTHER CONNECTOR CODES AVAILABLE
CONTACT ENGINEERING FOR DETAILS



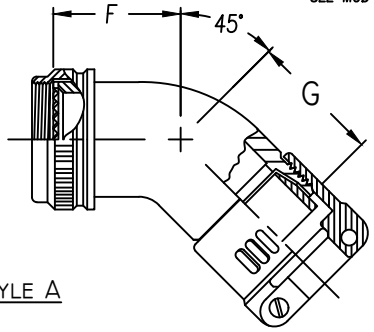
STYLE S



STYLE B



STYLE R



STYLE A

ASSEMBLY PART NUMBER

TO ESTABLISH YOU P/N, USE THE FOLLOWING EXAMPLE

E 41 05 S 23 08 9 B 06 51

- E — FUNCTION DESIGNATOR E–EMI ADAPTER
- 41 — CONNECTOR CODE NUMBER – TABLE 1 ⑥
- 05 — SERIES PART NUMBER
- S — ADAPTER STYLE
  - S = STRAIGHT SPIN COUPLING ADAPTER
  - B = STRAIGHT BASIC ADAPTER
  - R = 90° ADAPTER
  - A = 45° ADAPTER
- 23 — ACCESSORY ORDER NUMBER–TABLE 1
- 08 — CABLE ENTRY ORDER NUMBER–TABLE 2
- 9 — CABLE STRAIN–RELIEF STYLE ⑧
- B — O'RING MATERIAL OPTION
  - B – NEOPRENE & BUNA–N
  - S – SILICONE
  - N – NONE REQUIRED (NON ENVIROMENTAL)
- 06 — LENGTH CODE NUMBER
  LENGTHS ARE CHOSEN IN ¼" INCREMENTS (IE 08=2.00") SEE TABLE 3 FOR MINIMUM
  INSERT 00 FOR R & A STYLE ADAPTERS
- 51 — PLATING CODE NUMBER–TABLE 4 ⑥
- MOD CODE ⑥

Table 1 - Order Number Data

Accessory Order Number By Connector Code & Shell Size

ORDER NUMBER	40 ⟨3⟩ (MIL-DTL-38999 SERIES III & IV)	41 (MIL-DTL-38999 SERIES I & II)	54 (MIL-DTL-5015 CRIMP, MIL-DTL-26482 SER 2, MIL-DTL-83723 SER III)		A UNIFIED THREAD	B MAX DIA.	C MAX DIA.	D REF DIM.	E REF DIM.	F REF DIM.	G REF DIM.	ORDER NUMBER
01					.375-32	.750	.531	1.125	1.188	.812	.875	01
03					.438-27	.812	.594					03
04		8, 9			.438-28	.812	.594					04
05			8 & 8S		.500-20	.875	.656					05
06					.500-28	.875	.656					06
07	9, A				M12 x 1.0	.719	.656					07
08		10, 11		3	.562-24	.844	.719	1.250	1.312	.875	.938	08
10			10,10S,10SL		.625-24	1.000	.781					10
11					.625-28	1.000	.781					11
12	11, B				M15 x 1.0	.844	.781					12
13		12, 13			.688-24	1.062	.844	1.375	1.438	.938	1.000	13
15			12 & 12S	7	.750-20	1.125	.906					15
16	13, C				M18 x 1.0	.969	.906					16
18		14, 15			.812-20	1.188	.969	1.500	1.562	1.000	1.062	18
19			14 & 14S	12	.875-20	1.250	1.031					19
20					.875-28	1.250	1.031					20
21	15, D				M22 x 1.0	1.094	1.031					21
23		16, 17			.938-20	1.312	1.094	1.625	1.688	1.062	1.125	23
24			16 & 16S	19	1.000-20	1.375	1.156					24
25					1.000-28	1.375	1.156					25
26	17, E				M25 x 1.0	1.219	1.156					26
28		18, 19	18	27	1.062-18	1.438	1.219	1.750	1.812	1.094	1.156	28
29					1.125-18	1.500	1.281					29
30					1.125-24	1.500	1.281					30
31					1.125-28	1.500	1.281					31
32	19, F				M28 x 1.0	1.344	1.281					32
34		20, 21	20	37	1.188-18	1.562	1.344	1.875	1.938	1.156	1.219	34
35					1.250-18	1.625	1.406					35
36					1.250-28	1.625	1.406					36
37	21, G				M31 x 1.0	1.469	1.406					37
39		22, 23	22		1.312-18	1.688	1.469	2.000	2.062	1.188	1.250	39
40					1.375-18	1.750	1.531					40
41					1.375-28	1.750	1.531					41
42	23, H				M34 x 1.0	1.594	1.531					42
44		24, 25	24		1.438-18	1.812	1.594	2.125	2.188	1.250	1.312	44
45				61	1.500-18	1.875	1.656					45
46					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					1.625-18	2.000	1.781	2.375	2.625	1.344	1.625	49
51			28		1.750-18	2.125	1.906					51
52					1.875-16	2.250	2.031	2.625	3.000	1.438	1.812	52
53					1.906-18	2.281	2.062					53
54			32		2.000-18	2.375	2.156					54
55					2.062-16	2.469	2.219	2.875	3.250	1.562	1.938	55
56					2.062-24	2.469	2.219					56
57					2.125-16	2.500	2.281					57
58					2.125-18	2.500	2.281					58
59			36		2.250-16	2.625	2.406					59
60					2.312-16	2.719	2.469	3.125	3.500	1.688	2.062	60
61					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.

⟨3⟩ THREADS NOTED ARE ISO METRIC, CLASS 6H.

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.

⟨8⟩ SEE SUPPORT DATA SECTION FOR TABLE V & AVAILABLE STYLES

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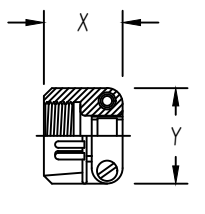
SUPPORT DATA

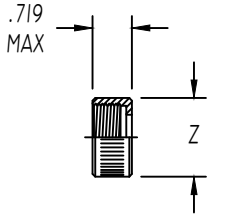
TABLE V
CABLE STRAIN RELIEF STYLES

Table 2 - Environmental / Non-Environmental Cable Entry Data

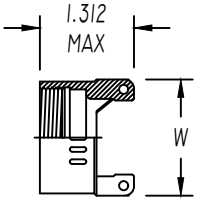
ENTRY ORDER NUMBER	ENVIRONMENTAL GLAND RANGE MAX	ENVIRONMENTAL GLAND RANGE MIN	NON ENVIRONMENTAL CABLE RANGE MAX	NON ENVIRONMENTAL CABLE RANGE MIN	V UNIFIED THREAD	R MAX DIM.	S MAX DIM.	T MAX DIM.	U MAX DIM.	W MAX DIM.	X MAX DIM.	Y MAX DIM.	Z MAX DIA.
⚠1 03	.250	.156	.250	.156	.500-28	N / A	.812	1.375	.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
⚠2 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



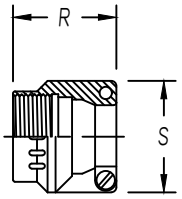
STYLE 1 ⚠1
AS85049/41A CLAMP
(MS 3057**A)



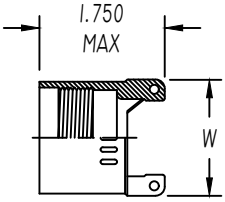
STYLE 2 ⚠1
NUT



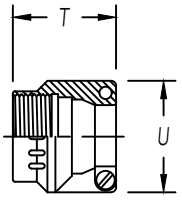
STYLE 3 ⚠2
NON-ENVIRONMETAL



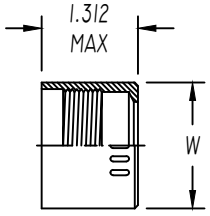
STYLE 3 ⚠1
NUT
ENVIRONMENTAL
(AS85049/1)
(MS 3057-**B)



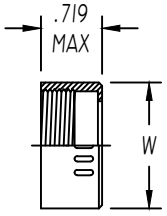
STYLE 3 ⚠2
ENVIRONMETAL



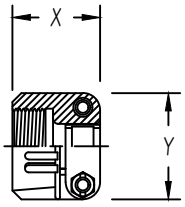
STYLE 4 ⚠1
STRAIN RELIEF
ENVIRONMENTAL
(AS85049/2)
(MS 3057-**C)



STYLE 4 ⚠2
ENVIRONMETAL



STYLE 4 ⚠2
NON-ENVIRONMETAL



STYLE 9 ⚠1
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