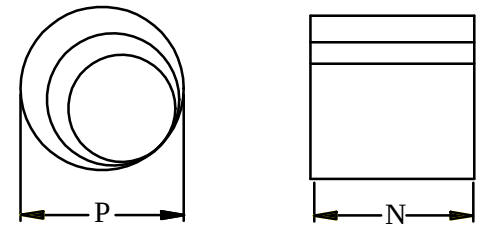
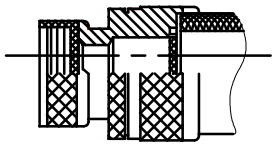
DRAWING ISO 180 REV. "K"

QUICK REFERENCE TABLE

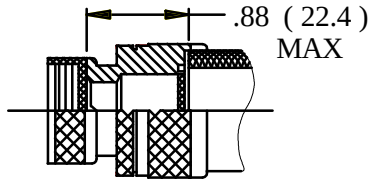
SHELL SIZE		E REF	G REF	MAX ENTRY	MAX ENTRY	C MAX		H MAX
SEE TABLE IV	H			DES. A	DES. F,H	A,F	H	
08	09	0.390	0.890	02	02	.65	.77	1.47
10	11	0.420	0.920	03	04	.77	.82	1.50
12	13	0.440	0.940	04	04	.94	.94	1.56
14	15	0.460	0.970	04	05	1.07	1.07	1.63
16	17	0.480	0.990	05	06	1.21	1.21	1.69
18	19	0.500	1.000	06	07	1.23	1.36	1.75
20	21	0.520	1.020	07	08	1.36	1.48	1.82
22	23	0.550	1.060	08	09	1.48	1.60	1.89
24	25	0.570	1.090	09	10	1.73	1.70	1.93
28		0.790	1.260	11	N/A	1.97	N/A	2.06



ALL BACKSHELLS INCLUDE SPRING



STYLE 2
STRAIGHT
SEE NOTE 4



STYLE 2
45° & 90°
SEE NOTE 4

SPRING BAND DIMENSIONS			
PART #	P	N	CABLE ENTRY
ISO - 100	0.36	0.37	02 THRU 33
ISO - 200	0.57	0.37	04 THRU 36
ISO - 400	0.78	0.37	07 THRU 09
ISO - 500	0.98	0.37	10 THRU 12
ISO - 600	1.25	0.37	13 THRU 16

PART NUMBER BREAKOUT

EXAMPLE: ISO A S 180 NF 12 04 -5 S -N

- ISO — ISODYNE IDENT
- A — CONNECTOR TYPE (TABLE IV)
- S — ANGULAR TYPE (S, H, OR J)
- 180 — PRODUCT SERIES ***
- NF — FINISH (TABLE II)
- 12 — SHELL SIZE (TABLE I)
- 04 — CABLE ENTRY (TABLE III)
- -5 — LENGTH IN 1/4" INCREMENTS (STRAIGHTS ONLY)
- S — SLOT
- -N — NON-MAGNETIC BAND (OMIT FOR STANLESS STEEL)

ISODYNE INC

7706 E. OSIE - WICHITA, KS. 67207

U.S. PATENT #5,769,665 & 7,641,504B1

CAGE CODE # 031M6

BACKSHELL, EMI / RFI
SPRING BAND

TOLERANCE: {Unless otherwise noted}
2 PLACE DEC ± .030
3 PLACE DEC ± .015
ANGULAR ± 2°

DRAWING ISO 180 REV. "K"

SHELL SIZE TABLE											TABLE I				
A	C *	D	E	F	G	H	J	K	L	S	A THREAD REF.	B DIA. MAX.	C DIA. MAX.	D DIA. MAX.	E DIA. MAX.
		8	8	8/[9]				8	8	8	7 /16—28 UNF	.59 (15.0)	.65 (16.5)	.77 (19.6)	.69 (17.5)
						9/A					M12 X 1—6H	.65 (16.5)	.77 (19.6)		.94 (24.8)
8											1 / 2—20 UNF	.65 (16.5)	.65 (16.5)		.69 (17.5)
							8/A	10			1 / 2—28 UNEF	.65 (16.5)	.77 (19.6)	.77 (19.6)	
3		10	10	10/[11]				11	10	10	9 / 16—24 UNEF	.72 (18.3)	.77 (19.6)	.89 (22.6)	.82 (20.8)
						11/B					M15 X 1— 6H	.77 (19.6)	.82 (20.8)		1.06 (26.9)
10								12,13			5 / 8 — 24 UNEF	.77 (19.6)	.77 (19.6)	.89 (22.6)	.82 (20.8)
							10/B				5 / 8 — 28 UN	.77 (19.6)	.89 (22.6)		
		12		12/[13]					12	12	11 / 16 — 24 UNEF	.84 (21.3)	.89 (22.6)	1.02 (25.9)	.94 (23.8)
						13/C					M18 X 1 — 6H	.89 (22.6)	.94 (23.9)		1.17 (29.7)
12/7	12		12		11/A			14,15			3 / 4 — 20 UNEF	.91 (23.1)	.89 (22.6)	1.02 (25.9)	.94 (23.8)
											3 / 4 — 20 UNEF		.94 (23.9)		
		14	14	14/[15]					14	14	13 / 16 — 20 UNEF	.97 (24.6)	1.02 (25.9)	1.15 (29.2)	1.06 (26.9)
						15/D					M22 X 1 — 6H	1.03 (26.2)	1.07 (27.2)		1.29 (32.7)
14/12	14				13/B			16,17			7 / 8 — 20 UNEF	1.03 (26.2)	1.02 (25.9)	1.15 (29.2)	1.06 (26.9)
											7 / 8 — 20 UNEF		1.07 (27.2)		
							14/D				7 / 8 — 20 UN	1.03 (26.2)	1.15 (29.2)		
		16	16	16/[17]					16	16	15 / 16 — 20 UNEF	1.09 (27.7)	1.15 (29.2)	1.26 (32.0)	1.17 (29.7)
						17/E					M25 X 1 — 6H	1.15 (29.2)	1.21 (30.7)		1.42 (36.1)
15/18	16				15/C			18			1 — 20 UNEF	1.15 (29.2)	1.15 (29.2)	1.23 (32.2)	1.17 (29.7)
											1 — 20 UNEF		1.21 (30.7)		
							16/E				1 — 28 UN	1.15 (29.2)	1.36 (34.5)		
18/27		18	18	18/[19]					18	18	1—1 / 16—18 UNEF	1.22 (31.0)	1.23 (31.2)	1.40 (35.6)	1.29 (32.7)
						19/F					M28 X 1 — 6H	1.28 (32.5)	1.36 (34.5)		1.54 (39.1)
	18				17/D			20			1—1 / 8—18 UNEF	1.28 (32.5)	1.41 (35.7)	1.36 (34.5)	
							18/F				1 — 1 / 8 — 28 UN	1.28 (32.5)	1.48 (37.6)		
20/37		20	20	20/[21]					20	20	1—3 / 16—18 UNEF	1.34 (34 .0)	1.36 (34.5)	1.53 (38.9)	1.42 (36.0)
						21/G					M31 X 1—6H	1.41 (35.8)	1.48 (37.6)		1.67 (42.4)
	20				19/E			22			1—1 / 4 — 18 UNEF	1.41 (35.8)	1.53 (38.9)	1.48 (37.6)	
							20/G				1—1 / 4 — 28 UN	1.41 (35.8)	1.60 (40.6)		
22		22	22	22/[23]					22	22	1—5 / 16—18 UNEF	1.47 (37.3)	1.48 (37.6)	1.60 (40.6)	1.54 (39.1)
						23/H					M34 X 1—6H	1.53 (38.9)	1.60 (40.6)		2.01 (51.1)
								24			1—3/ 8—18 UNEF	1.53 (38.9)		1.60 (40.6)	
							22/H				1—3 / 8—28 UN	1.53 (38.9)	1.73 (43.9)		
24		24	24	24/[25]	23/F				24	24	1—7 / 16—18 UNEF	1.59 (40.4)	1.60 (40.4)	1.94 (49.3)	1.66 (42.4)
						25/J					M37 X 1—6H	1.66 (42.4)	1.70 (43.2)		2.12 (53.8)
61											1—1 / 2—18 UNEF	1.66 (42.4)	1.67 (42.4)		
							24/J				1—1 / 2—28 UN	1.66 (42.4)	1.94 (49.3)		
					25/G						1—9 / 16—18 UNEF		1.82 (46.3)		
	24							28			1—5 / 8—18 UNEF	1.84 (46.7)		1.94 (49.3)	
28											1—3 / 4—18 UNS	1.97 (50.0)	1.97 (50.0)		2.01 (51.1)
	28				29/H			32			1—7 / 8—16 UN	2.09 (53.1)	2.19 (55.6)	2.19 (55.6)	
32											2—18 UNS	2.28 (57.9)	2.22 (58.4)		2.26 (57.4)
	32				33/J						2—1 / 16—16 UNS		2.44 (62.0)	2.44 (62.0)	
								36			2—1 / 8—16 UN	2.34 (59.4)		2.44 (62.0)	
36											2—1 / 4—16 UN	2.53 (64.3)	2.47 (62.7)		2.53 (64.3)
	36										2—5 / 16—16 UNS			2.69 (68.3)	
								40			2—3 / 8—16 UN	2.59 (65.8)		2.69 (68.3)	
40											2—1 / 2—16 UN	2.78 (70.6)	2.72 (69.1)		3.04 (77.2)
	40										2—5 / 8—16 UN			2.93 (74.4)	
44											2—3 / 4—16 UN	3.03 (77.0)	2.97 (75.4)		
48											3—16 UN	3.22 (81.8)	3.22 (81.8)		

* LEFT HAND THREAD
[ ] REFERENCE ONLY — NOT USED IN FORMATION OF PART NUMBER

DRAWING ISO 180 REV. "K"

TABLE II - MATL FINISH	
B	CADMIUM / OLIVE DRAB
C*	ANODIZE / BLACK
G*	HARD COAT
J	GOLD IRIDITE OVER CADMIUM PLATE OVER NICKEL
LF	CADMIUM PLATE / BRIGHT OVER ELECTROLESS NICKEL
M	ELECTROLESS NICKEL
N	CADMIUM PLATE / OLIVE DRAB OVER NICKEL
NF	CAD / OD OVER ELECTROLESS NICKEL (500 HR. SALT SPRAY)
T	CADMIUM PLATE / BRIGHT DMP OVER NICKEL
U**	CADMIUM PLATE / BLACK
Z1**	PASSIVATE SS
NT	NICKEL/TEFLON - CONSULT FACTORY FOR DETAILS

* NON-CONDUCTIVE FINISH - NOT SUITABLE FOR EMI / RFI SHIELDING APPLICATIONS.

** APPLICABLE TO CORROSION RESISTING STEEL BACKSHELLS AND ACCESSORIES.

*** 180 SERIES = HINGED 150 SERIES.

TABLE III - CABLE ENTRY DIMENSIONS

CABLE ENTRY DES.	J	K	L	M (±.094)	S (NO. OF SLOTS)
01	0.125	0.250	0.450	0.593	(1) .125ø
31	0.188	0.312	0.512	0.625	(1) .170ø
02	0.250	0.375	0.575	0.656	(1) .170ø
32	0.312	0.438	0.638	0.687	(1) .170ø
03	0.375	0.500	0.700	0.719	(2) .250
33	0.438	0.562	0.762	0.750	(2) .250
04	0.500	0.625	0.825	0.781	(2) .250
34	0.562	0.688	0.888	0.812	(2) .250
05	0.625	0.750	0.950	0.844	(2) .500
35	0.688	0.812	1.012	0.875	(2) .500
06	0.750	0.875	1.075	0.906	(2) .500
36	0.812	0.938	1.138	0.937	(2) .500
07	0.875	1.000	1.200	0.969	(4) .500
37	0.938	1.062	1.262	1.00	(4) .500
08	1.000	1.125	1.325	1.031	(4) .500
38	1.062	1.188	1.388	1.062	(4) .500
09	1.125	1.250	1.450	1.094	(4) .500
10	1.250	1.375	1.578	1.156	(4) .750
11	1.375	1.500	1.700	1.219	(4) .750
12	1.500	1.625	1.825	1.281	(4) .1000
13	1.625	1.760	1.950	1.344	(4) .1000
14	1.750	1.875	2.075	1.406	(4) .1000
15	1.875	2.000	2.200	1.469	(4) .1000
16	2.000	2.125	2.325	1.531	(4) .1000

NOTES:
1. FOR EFFECTIVE GROUNDING , CONNECTOR WITH CONDUCTIVE FINISH SHOULD BE USED.
2. MIN. ORDER LENGTH FOR STYLE 1-1.25(5), TOTAL LENGTH 1.50. FOR STYLE II MIN. ORDER LENGTH -1.50(6), TOTAL LENGTH 1.75.
3. DIMENSIONS E, G, M, H DO NOT APPLY WHEN STYLE II ADAPTER IS APPLIED. NO "O" RING APPLIED, SYMBOL A.
4. WHEN MAX. CABLE ENTRY IS EXCEEDED, STYLE 2 WILL BE SUPPLIED. PLEASE CONSULT FACTORY.
5. NON-MAGNETIC BAND MATERIAL - ELGILOY

TABLE IV - CONNECTOR SERIES

CONNECTOR DESIGNATOR	CONNECTOR SPECIFICATION	SERIES
	MIL – C – 5015	MS3400
	MIL – C – 26482	II
	MIL – C – 81703	III
	MIL – C – 83723	I & III
A	DEF 5926 – 3	
	LN 29504	
	NFC 93422	
	PAN 6432 – 1	
	PAN 6432 – 2	
	PATT 602	
	MIL – C – 38999	I & II
	4CM38277	
	NFC 93422	HE 309
F	NFC 93422	HE 308
	PAN 6433 – 1	
	PATT 614	
	PATT 616	
H	MIL – C – 38999	III & IV

ISODYNE INC

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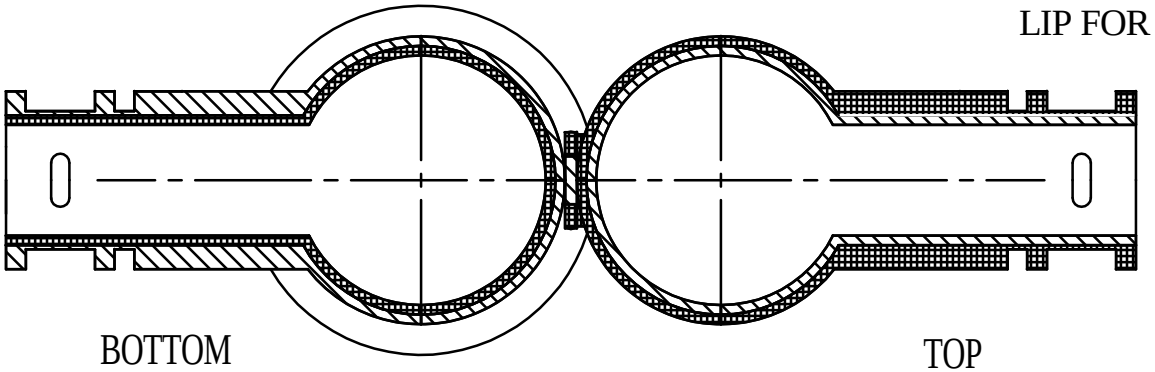
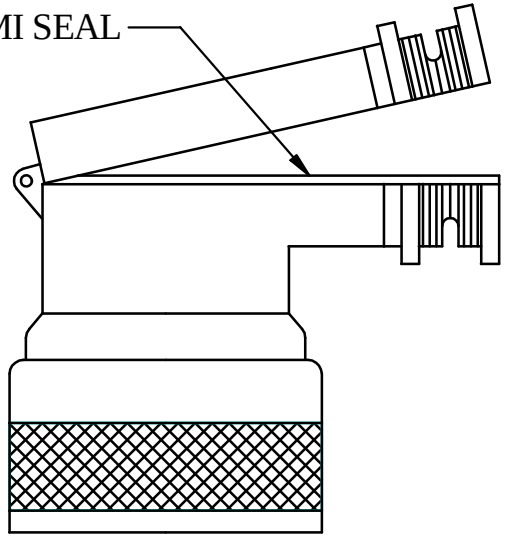
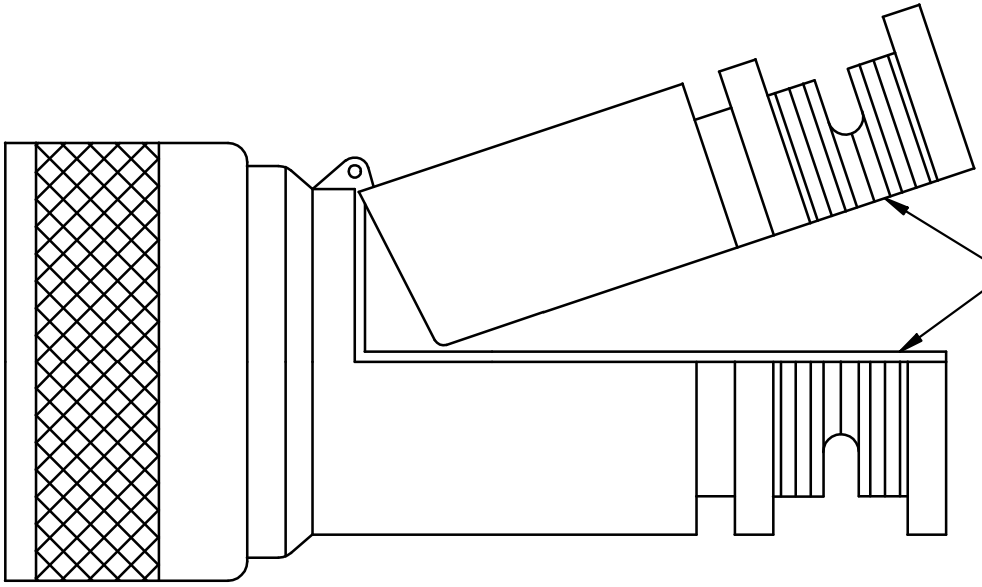
U.S. PATENT #5,769,665 & 7,641,504B1

CAGE CODE # 031M6

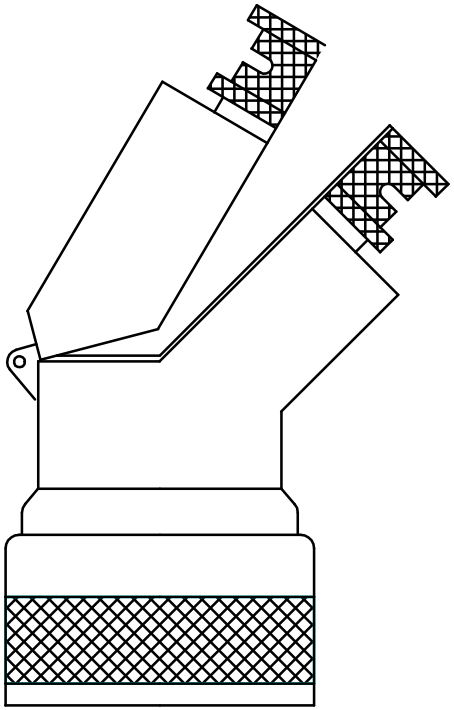
BACKSHELL, EMI / RFI SPRING BAND







NOTE:
FULL SLOTS IN
EACH HALF, NOT
ON PARTING LINE.



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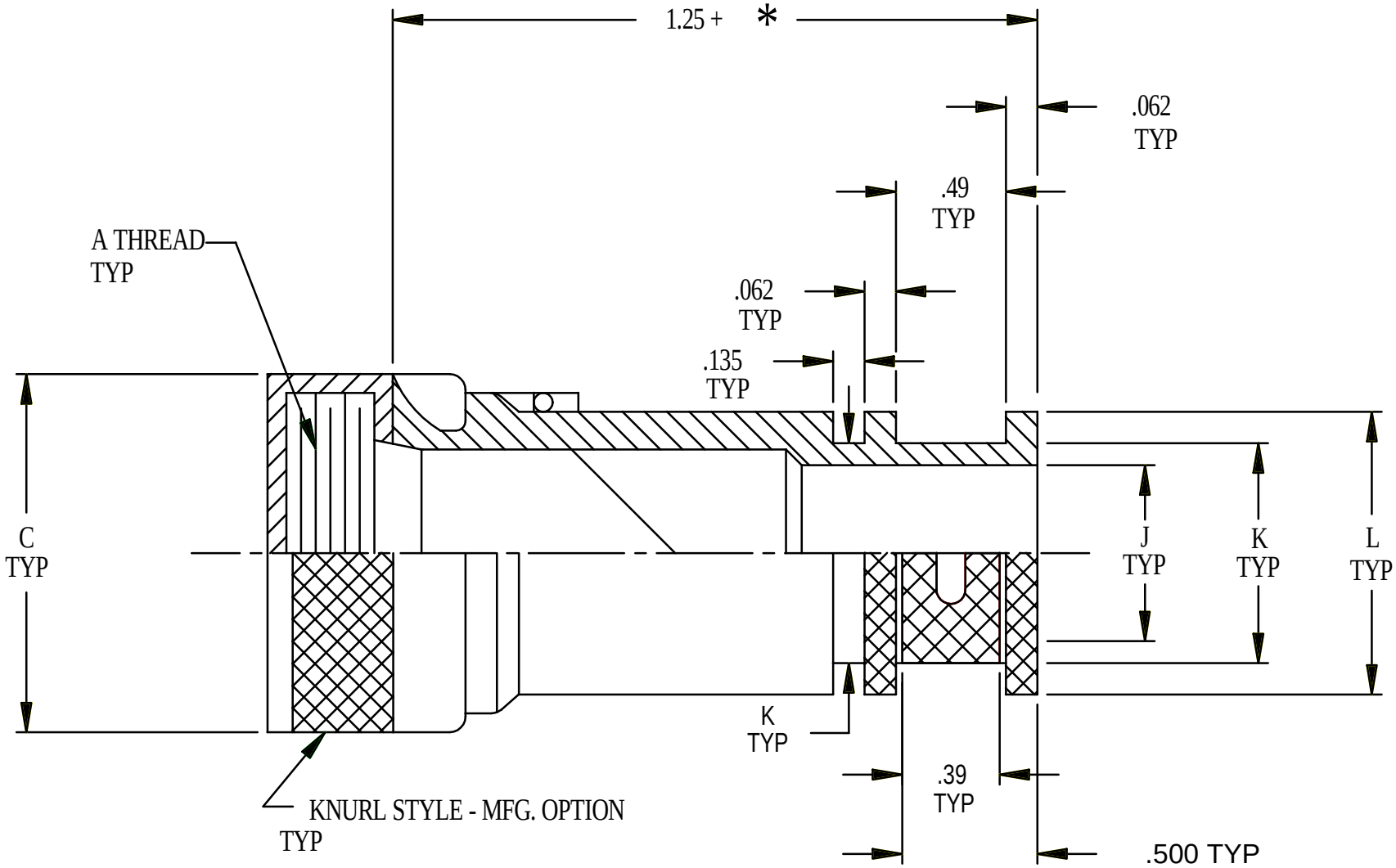
BACKSHELL, EMI / RFI
SPRING BAND



TYPE S
STRAIGHT

* NOTE: Will increase in 1/4" incruments

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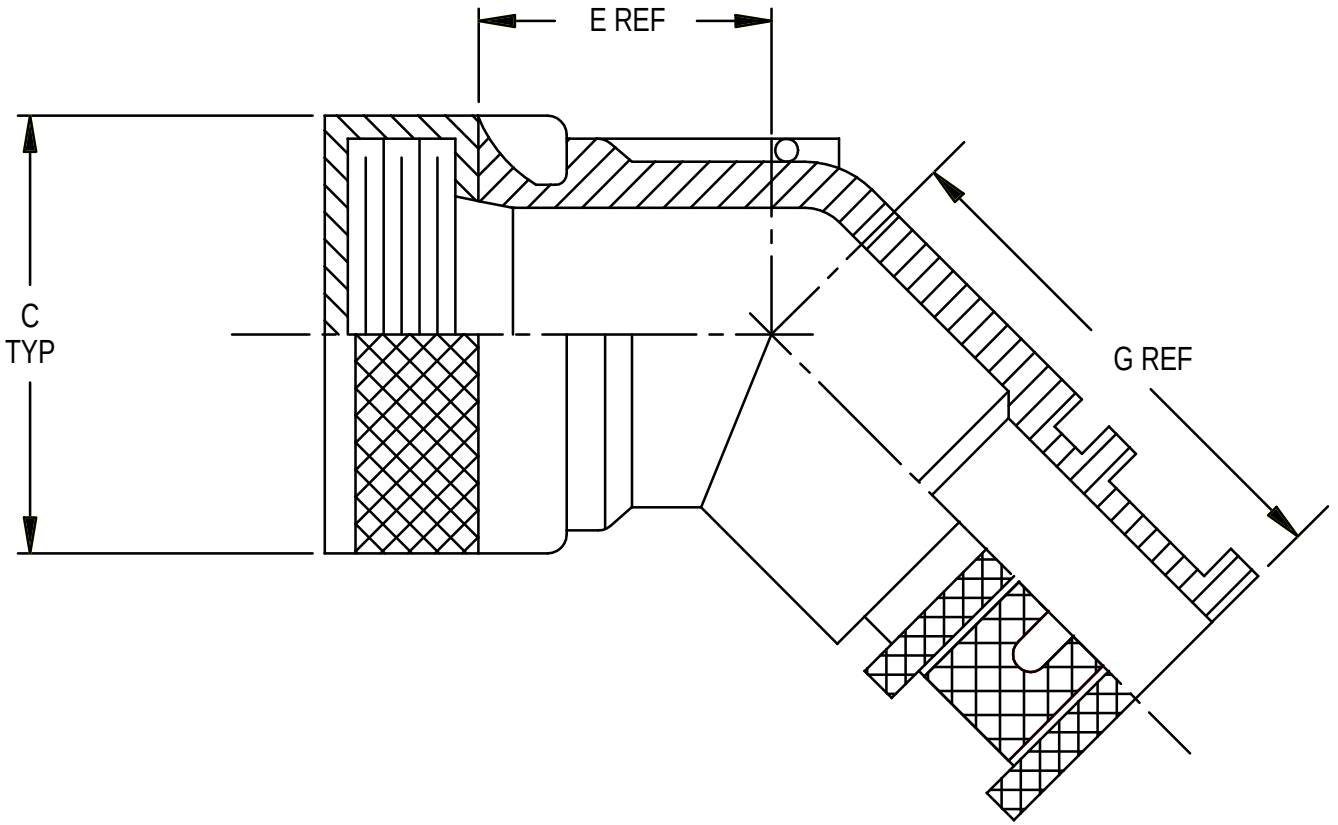
BACKSHELL, EMI / RFI
SPRING BAND



TYPE H
45 °

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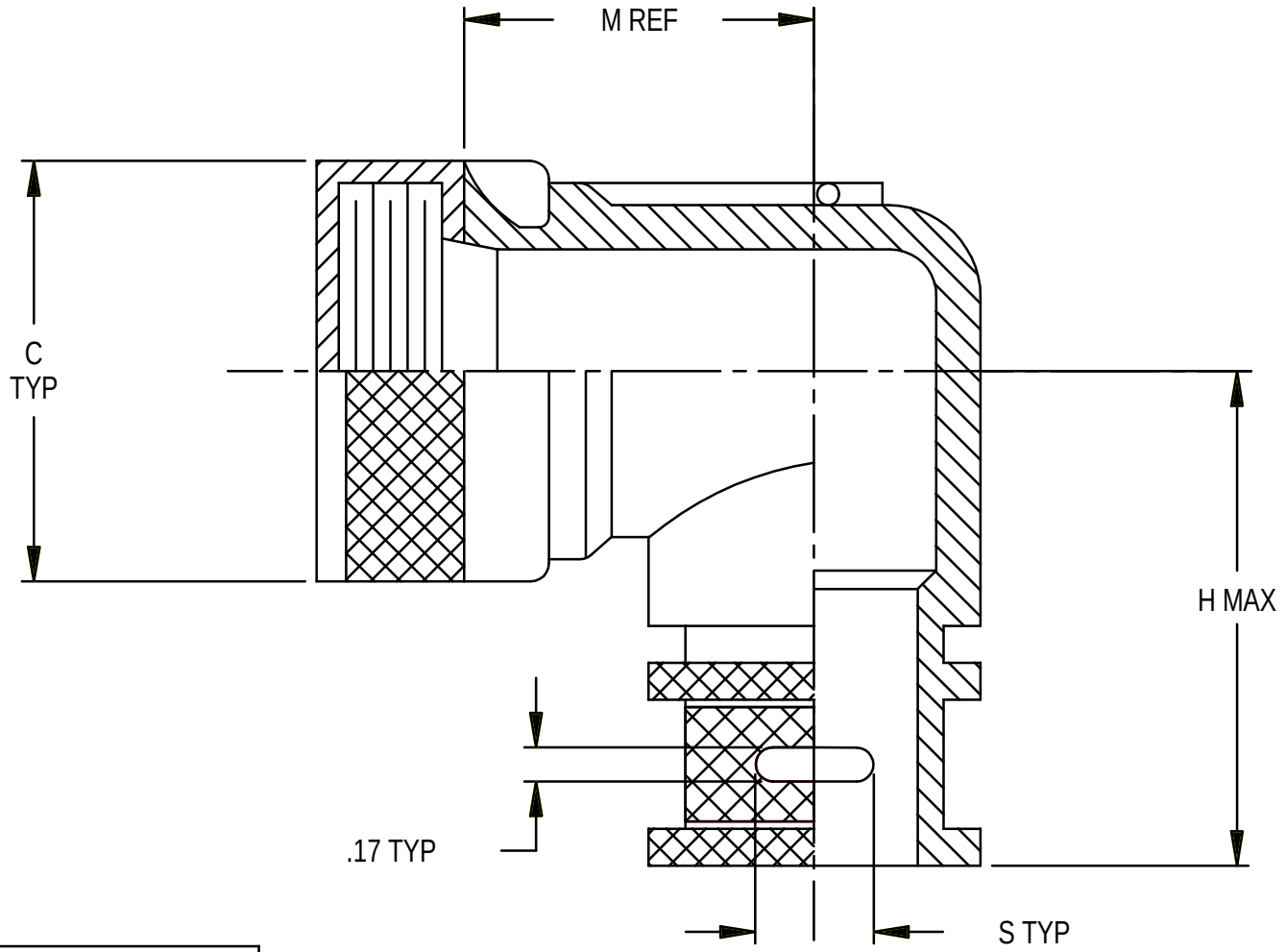
BACKSHELL, EMI / RFI
SPRING BAND



TYPE J
90 °

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BACKSHELL, EMI / RFI
SPRING BAND