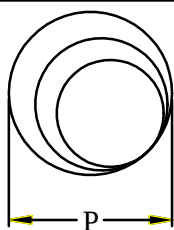


DRAWING ISO 150 REV. "Y"

QUICK REFERENCE TABLE

SHELL SIZE SEE TABLE IV	SEE H	E REF	G REF	H MAX	MAX ENTRY DES. A	MAX ENTRY DES. F,H,L
08	09	0.390	0.890	1.280	02, 31	02, 31
10	11	0.420	0.920	1.360	03, 32	03, 32
12	13	0.440	0.940	1.420	04, 33	04, 33
14	15	0.460	0.970	1.480	04, 34	05, 34
16	17	0.480	0.990	1.540	05, 35	06, 35
18	19	0.500	1.000	1.560	06, 35	07, 36
20	21	0.520	1.020	1.630	07, 36	08, 37
22	23	0.550	1.060	1.690	08, 36	09, 38
24	25	0.570	1.090	1.710	09, 38	10, 38
28		0.790	1.260	1.850	11, 38	N / A



TOLERANCE: {Unless otherwise noted}
 2 PLACE DEC $\pm .030$
 3 PLACE DEC $\pm .015$
 ANGULAR $\pm 2^\circ$

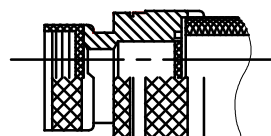
SPRING BAND DIMENSIONS

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

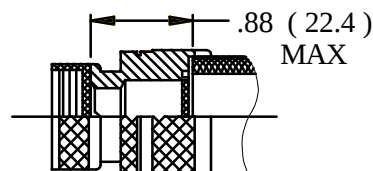
ISODYNE INC

7706 E. OSIE - WICHITA, KS. 67207
 U.S. PATENT #5,769,665
 CAGE CODE # 031M6

BACKSHELL, EMI / RFI
 SPRING BAND



STYLE 2
STRAIGHT
SEE NOTE 4



STYLE 2
45° & 90°
SEE NOTE 4

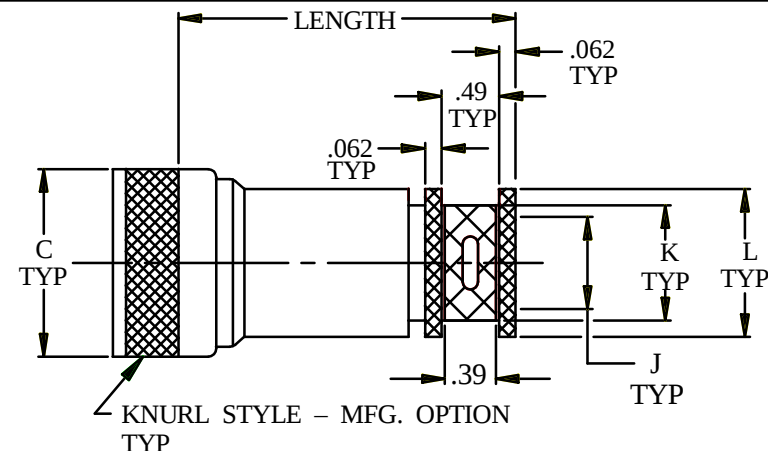
PART NUMBER BREAKOUT (SEE NOTE 6)
 FOR REVERSE BAYONETTE (SEE PAGE 4)

EXAMPLE:

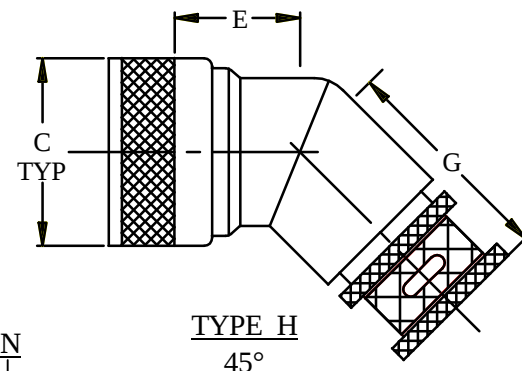
ISO A S 150 NF 12 04 -5 S -N

PRODUCT SERIES
 CONNECTOR DESIGNATOR
 TABLE IV
 ANGULAR TYPE
 S, H, OR J
 BASIC NUMBER
 FINISH TABLE II
 SHELL SIZE TABLE I
 CABLE ENTRY DESIGNATOR TABLE III
 LENGTH IN 1/4" INCREMENTS (STRAIGHT ONLY)
 SLOT
 NON - MAGNETIC BAND (OMIT FOR STAINLESS STEEL)

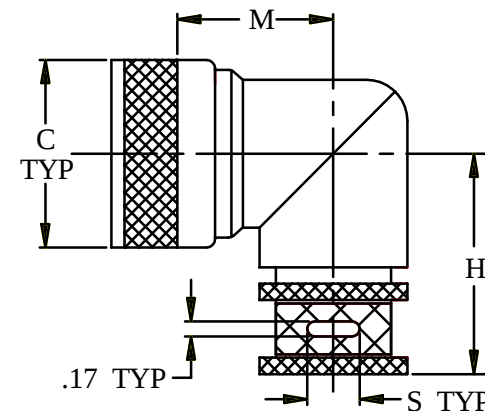
(ALL BACKSHELLS INCLUDE SPRING)



TYPE S
STRAIGHT



TYPE H
45°



TYPE J

DRAWING ISO 150 REV. "Y"

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							8/A	10			1/2—20 UNF	.65 (16.5)	.65 (16.5)		.69 (17.5)
											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 150 REV. "Y"

TABLE II - MATL FINISH		TABLE III - CABLE ENTRY DIMENSIONS						TABLE IV - CONNECTOR SERIES		
B	CADMIUM / OLIVE DRAB	CABLE ENTRY DES.	J	K	L	M (±.094)	S (NO. OF SLOTS)	CONNECTOR DESIGNATOR	CONNECTOR SPECIFICATION	SERIES
C*	ANODIZE / BLACK							(B) SEE ISO 151 SERIES DRAWING	MIL – C – 5015	MS3100, 3101, 3106
G*	HARD COAT									
J	GOLD IRIDITE OVER CADMIUM PLATE OVER NICKEL	01	0.125	0.250	0.450	0.593	(1) .125ø		MIL – C – 5015	MS3400
		31	0.188	0.312	0.512	0.625	(1) .170ø			
LF	CADMIUM PLATE / BRIGHT OVER ELECTROLESS NICKEL	02	0.250	0.375	0.575	0.656	(1) .170ø		MIL – C – 26482	II
		32	0.312	0.438	0.638	0.687	(1) .170ø		MIL – C – 81703	III
M	ELECTROLESS NICKEL	03	0.375	0.500	0.700	0.719	(2) .250		MIL – C – 83723	I & III
N	CADMIUM PLATE / OLIVE DRAB OVER NICKEL	33	0.438	0.562	0.762	0.750	(2) .250	A	DEF 5926 – 3	
		04	0.500	0.625	0.825	0.781	(2) .250		LN 29504	
P2	NICKEL PLATE IAW SAE-AMS-QQ-N-290, CLASS I GRADE D OVER DOUBLE ZINCATE COATING IAW ASTM-B-253	34	0.562	0.688	0.888	0.812	(2) .250		NFC 93422	
		05	0.625	0.750	0.950	0.844	(2) .500		PAN 6432 – 1	
		35	0.688	0.812	1.012	0.875	(2) .500		PAN 6432 – 2	
		06	0.750	0.875	1.075	0.906	(2) .500		PATT 602	
NF	CAD / OD OVER ELECTROLESS NICKEL (500 HR. SALT SPRAY)	36	0.812	0.938	1.138	0.937	(2) .500	C	MIL – C – 22992	R ***
		07	0.875	1.000	1.200	0.969	(4) .500	D NOTE 6	MIL – C – 26482	I
NT	NICKEL/TEFLON - CONSULT FACTORY FOR DETAILS	37	0.938	1.062	1.262	1.000	(4) .500	E	MIL – C – 26500	ALUM
		08	1.000	1.125	1.325	1.031	(4) .500		MIL – C – 38999	I & II
T	CADMIUM PLATE / BRIGHT DMP OVER NICKEL	38	1.062	1.188	1.388	1.062	(4) .500		4CM38277	
		09	1.125	1.250	1.450	1.094	(4) .500		NFC 93422	HE 309
U**	CADMIUM PLATE / BLACK	10	1.250	1.375	1.578	1.156	(4) .750	F	NFC 93422	HE 308
Z1**	PASSIVATE SS	11	1.375	1.500	1.700	1.219	(4) .750		PAN 6433 – 1	
ZN	ZINC NICKEL / OD OVER ELECTROLESS NICKEL	12	1.500	1.625	1.825	1.281	(4) .1000		PATT 614	
		13	1.625	1.760	1.950	1.344	(4) .1000		PATT 616	
*	NON-CONDUCTIVE FINISH - NOT SUITABLE FOR EMI / RFI SHIELDING APPLICATIONS.	14	1.750	1.875	2.075	1.406	(4) .1000	G	MIL – C – 28840	
		15	1.875	2.000	2.200	1.469	(4) .1000	H	MIL – C – 38999	III & IV
**	APPLICABLE TO CORROSION RESISTING STEEL BACKSHELLS AND ACCESSORIES.	16	2.000	2.125	2.325	1.531	(4) .1000		MIL – C – 81511	I & II
***	MIN LENGTH 1.75"							J	MIL – C – 81511	III & IV
									VG 95329	
								K	MIL – C – 83723	II
									LN 29729	
									NFC – 93422	HE 306
								L	PAN 6433 – 2	
									PATT 615	
									VG 96912	I
								S	PATT 105, 603, 608	
								R	VG 95234	
								X	MIL – C – 81703	II

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
6. SUFFIX 770 TO BE USED WHEN INSTALLED ON PT**CE CONNECTORS MFG BY AMPHENOL.
7. USE MOD CODE (-15C) AT END OF PART NUMBER TO REMOVE KNURL FROM LAST RIDGE ONLY ON ADAPTER.

ISODYNE INC

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U.S. PATENT #5,769,665
CAGE CODE # 031M6

BACKSHELL, EMI / RFI
SPRING BAND

REVERSE BAYONET

TABLE V

CONN-CODE	MANUFACTURE AND SERIES DESCRIPTION
—	COMMITAL, VG95234 & 95328
A	AMPHENOL, GT SERIES, VG95234
B	ITT CANNON, VG95234
C	LITTON VEAM, CIR SERIES, VG95234
D	SPACE CRAFT, VG95234
E	JTECH, TTCIR, VG95234

NOTES:

- FOR EFFECTIVE GROUNDING, CONNECTOR WITH CONDUCTIVE FINISH SHOULD BE USED.
- 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.
- DIMENSIONS E, G, M, H, DO NOT APPLY WHEN STYLE II ADAPTER IS APPLIED. NO "O" RING APPLIED, SYMBOL A.
- WHEN MAX CABLE ENTRY IS EXCEEDED, STYLE II WILL BE SUPPLIED. PLEASE CONSULT FACTORY.
- NON-MAGNETIC BAND MATERIAL – ELGILOY.
- SUFFIX 770 TO BE USED TO ACCOMMODATE LARGE GROMETS LIKE PT__CE CONNECTORS MFG BY AMPHENOL AND CANNON.
- BACKSHELL IS DESIGNED TO ACCOMMODATE WIRE SEAL GROMMET AND FOLLOWER SUPPLIED WITH CONNECTOR.
- ALL REVERSE BAYONET BACKSHELLS HAVE A MIN LENGTH OF 2 INCHES OR (-8).
- WHEN CONNECTOR CODE "R" IS USED IT IS BEST PRACTICE TO DISCARD CONNECTOR ENDBELL AND REPLACE WITH ISODYNE ADAPTER.

TABLE VI

ORDER NO	SHELL SIZE VG95234	CONNECTOR DESIGNATOR	A THREAD CLASS 2B	C MAX	E MAX	F MAX	M MAX	H MAX	MAX ENTRY TABLE III
10	10SL	—, A, C, D, E	5/8–24 UNEF	1.00	0.982	1.100	1.184	1.304	03
11	10SL	B	9/16–24 UNEF	1.00	0.957	1.077	1.122	1.242	33
12	12S	B	5/8–24 UNEF	1.00	0.982	1.100	1.184	1.304	03
14	14S	—, A, B, C, D, E	3/4–20 UNEF	1.13	0.955	1.115	1.215	1.335	04
16	16S	—, A, B, C, D, E	7/8–20 UNEF	1.13	1.021	1.141	1.287	1.398	05
17	16	—, A, B, C, D, E	7/8–20 UNEF	1.25	1.021	1.141	1.287	1.398	05
18	18	—, A, B, C, D, E	1–20 UNEF	1.38	1.047	1.167	1.340	1.460	06
20	20	—, A, B, C, D, E	1 1/8–18 UNEF	1.50	1.073	1.193	1.403	1.523	07
22	22	—, A, B, C, D, E	1 1/4–18 UNEF	1.63	1.099	1.219	1.465	1.585	07
24	24	—, A, B, C, D, E	1 3/8–18 UNEF	1.75	1.133	1.253	1.548	1.668	38
28	28	—, A, B, C, D, E	1 5/8–18 UNEF	1.98	1.177	1.297	1.653	1.773	09
32	32	—, A, B, C, D, E	1 7/8–16 UNEF	2.23	1.229	1.349	1.778	1.898	12
36	36	—, A, C, D, E	2 1/16–16 UNEF	2.48	1.267	1.387	1.871	1.991	14
37	36	B	2 1/8–16 UNS	2.48	1.267	1.387	1.871	1.991	14
39	40	B	2 3/8–16 UNS	2.73	1.332	1.452	2.028	2.148	16
40	40	—, A, C, D, E	2 5/16–16 UNS	2.73	1.332	1.452	2.028	2.148	16

EXAMPLE: ISO R S 150 NF 11 03 -8 S B -N

PRODUCT SERIES

CONNECTOR DESIGNATOR

TABLE IV

ANGULAR TYPE

S, H, OR J

BASIC NUMBER

FINISH TABLE II

(SHELL SIZE) USE ORDER NO. TABLE VI

CABLE ENTRY DESIGNATOR TABLE III

LENGTH IN 1 / 4" INCREMENTS (STRAIGHT ONLY)

SLOT

MANUFACTURE AND SERIES (TABLE V)

NON – MAGNETIC BAND (OMIT FOR STAINLESS STEEL)

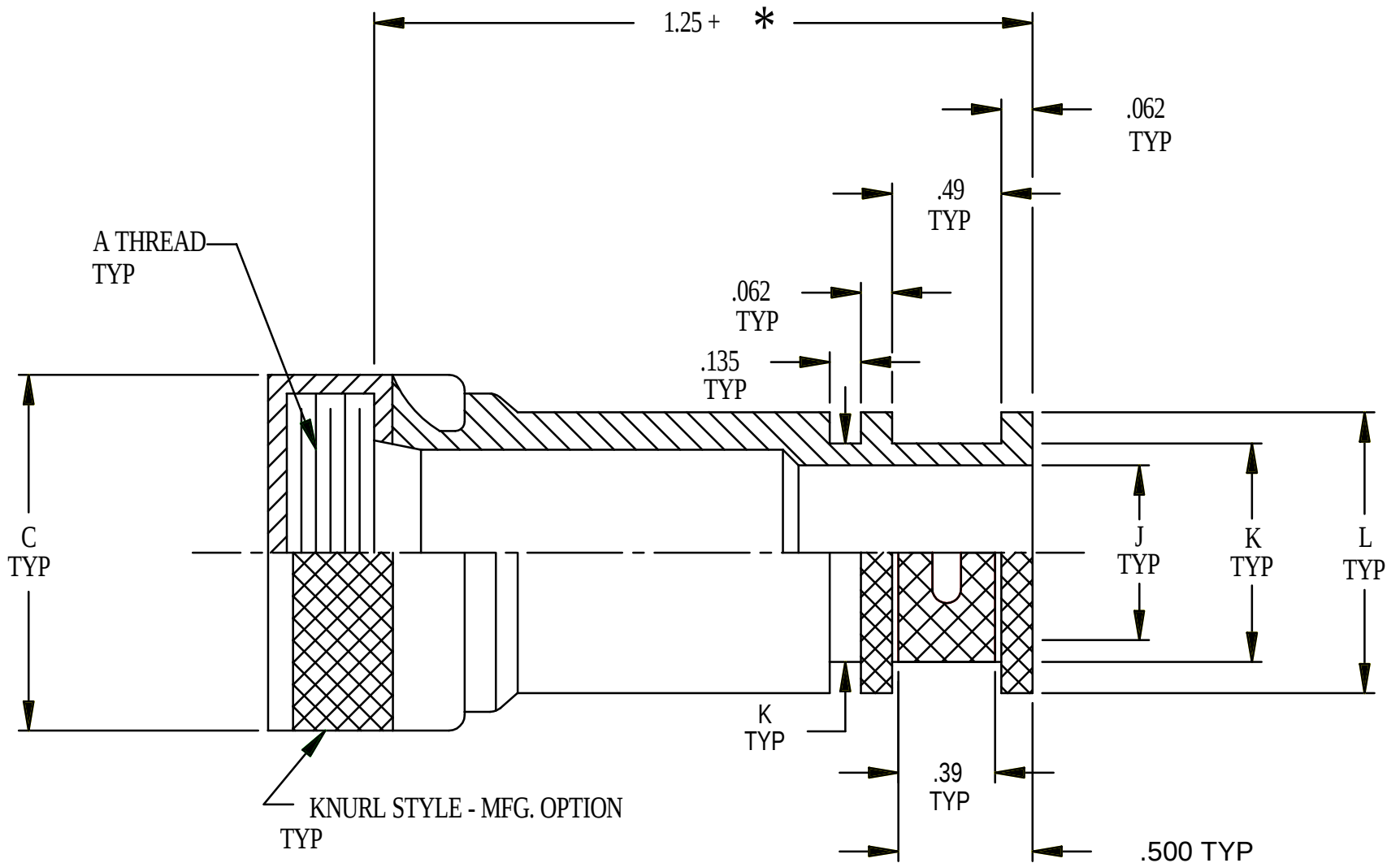
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7706 E. OSIE - WICHITA, KS. 67207

U.S. PATENT #5,769,665

CAGE CODE # 031M6

BACKSHELL, EMI / RFI
SPRING BAND



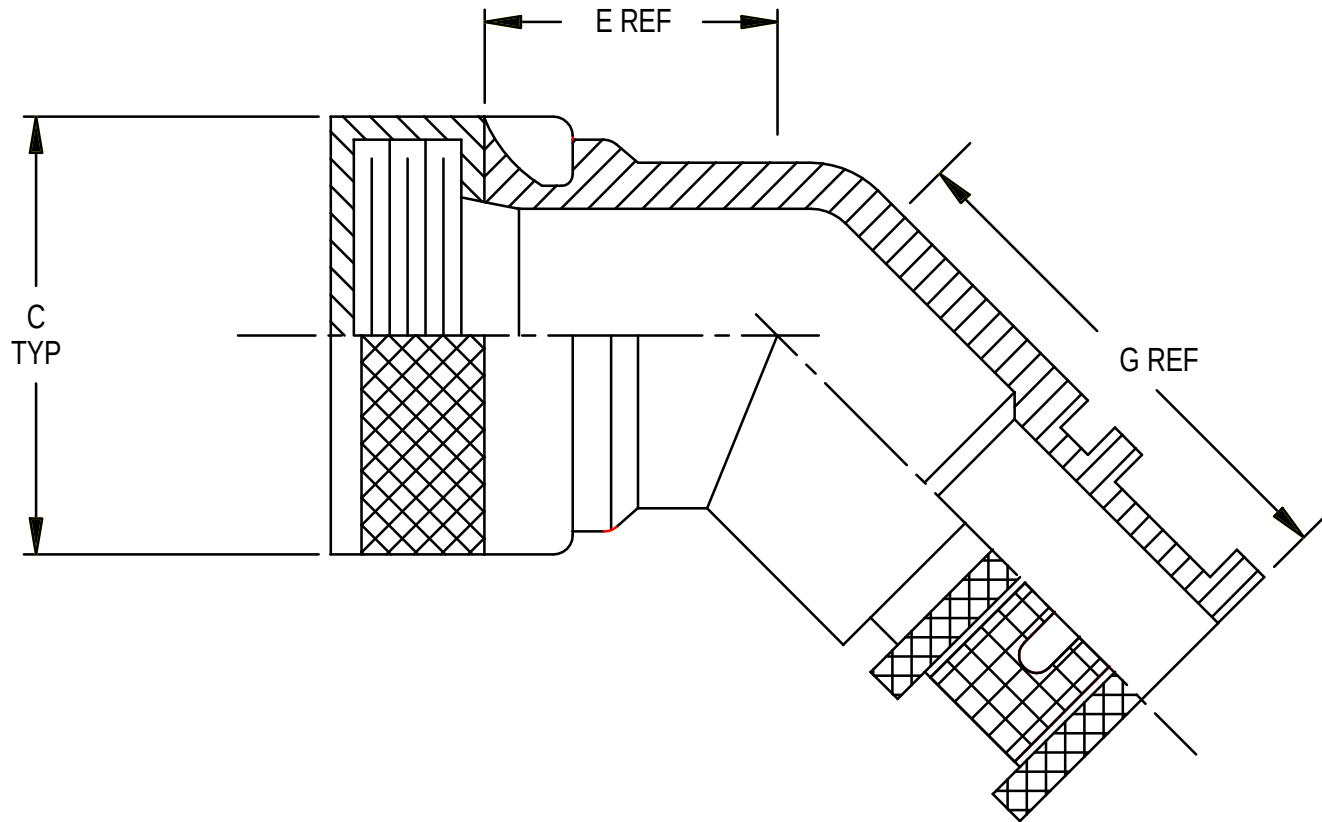
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CAGE CODE # 031M6

BACKSHELL, EMI / RFI
SPRING BAND

TYPE S
STRAIGHT

* NOTE: Will increase
in 1/4" increments

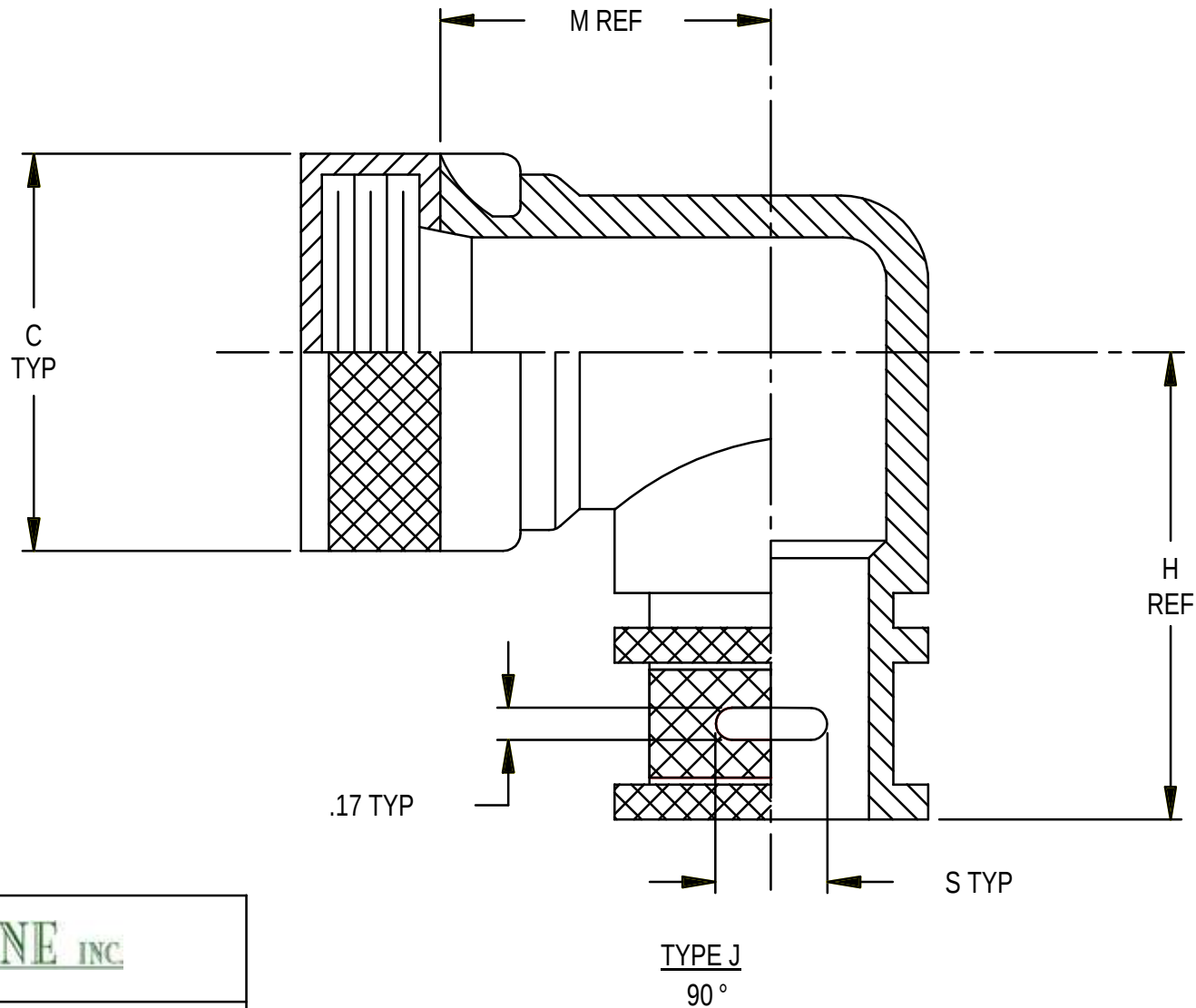


TYPE H
45°

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BACKSHELL, EMI / RFI
SPRING BAND



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BACKSHELL, EMI / RFI
SPRING BAND