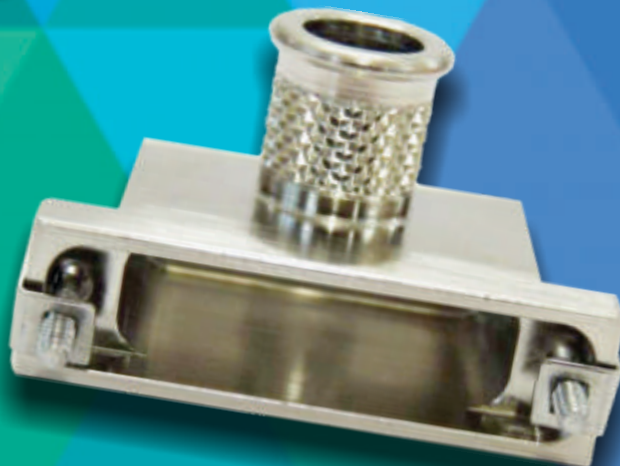


Amphenol

MICRO-D BACKSHELLS



Amphenol

Introduction

Amphenol Micro D backshell used for shielding application for the Micro D connectors.
Additionally it also provides mechanical protection & strain relief for the connectors.

Features:

- Machined Aluminium alloy backshell
- The Backshell are available for connector from 9 to 100 position
- Available in straight , 45 Degree, Dual 45 Degree , 90 Degree
- Magnetic permeability less than 2 Microns
- Shielding efficiency to 1GHZ, 6 db- >100 db
- Finish offered cadmium, Gold OR Electroless Nickel Finish, Custom finish are also available.

Content	Page
Introduction -----	1
Standard EMI Backshell Circular Entry -----	2
Strain Relief EMI Backshell Circular Entry -----	2
EMI Backshell With Shield Sock -----	3-11
RFI/EMI Elliptical Banding Backshell -----	11
Hardware Details -----	12
Band Details -----	13
Ordering Information -----	14

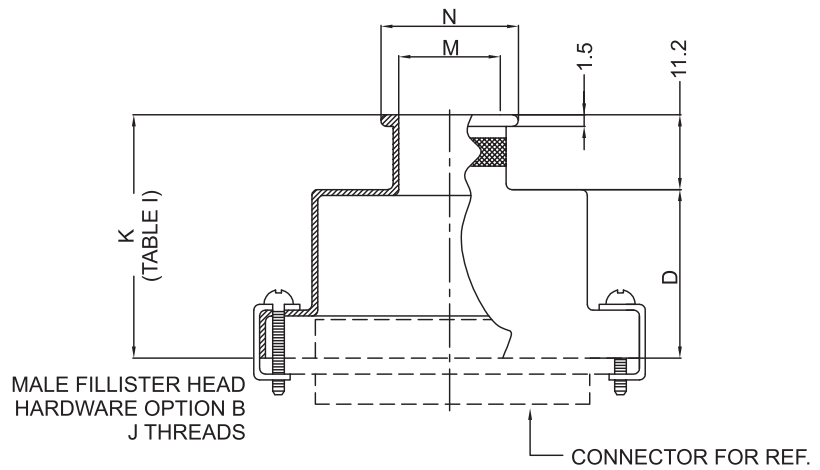
MICRO-D BACKSHELL FEATURES:-

- MICRO-D ALUMINUM BACKSHELLS ARE AVAILABLE IN STANDARD EMI, SHIELD SOCK, STRAIN RELIEF, ELLIPTICAL ENTRY BACKSHELLS
- THE BACKSHELL ARE AVAILABLE FOR CONNECTORS FROM 9 TO 100 POSITION & ARE AVAILABLE IN TOP ENTRY (STRAIGHT), SIDE ENTRY (90°), 45° ENTRY, 45° DUAL ENTRY.
- AVAILABLE IN CIRCULAR & ELLIPTICAL ENTRY SIZES.
- ELLIPTICAL ENTRY BACKSHELLS OFFER GREATER WIRE ACCOMMODATION THAN ROUND ENTRY BACKSHELL.
- SUPPLIED WITH RETAINING CLIP & STAINLESS STEEL HARDWARE.
- THE BACKSHELL ARE MACHINED FROM ALUMINUM ALLOY & ARE OFFER WITH CADMIUM, GOLD OR ELECTRO LESS NICKEL FINISH, CUSTOM FINISH ARE ALSO AVAILABLE CONSULT FACTORY.

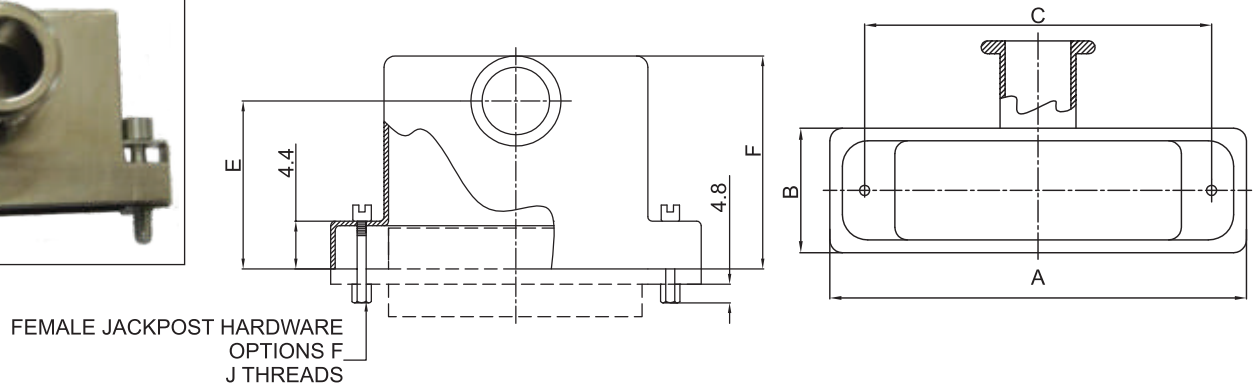
PERFORMANCE:-

- MAGNETIC PERMEABILITY LESS THAN 2μ .
- SHIELDING EFFICIENCY, TO 1GHZ, 6db TO > 100db.
- VIBRATION (PER MIL-STD-1344 METHOD 2004, CONDITION C) NO DAMAGE OR DISCONTINUITY BETWEEN SHELL & SHIELD.

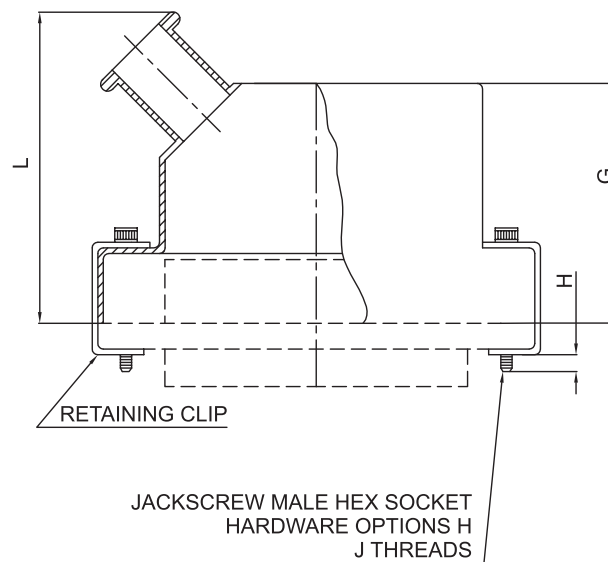
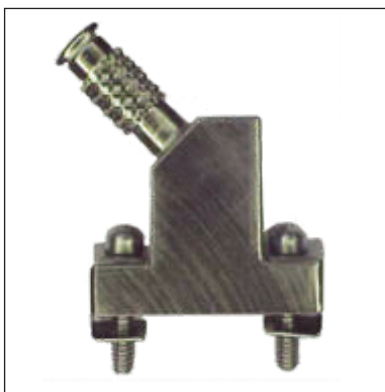
STYLE V - TOP ENTRY



STYLE W - SIDE ENTRY



STYLE X - 45° ENTRY



STYLE Y - DUAL 45° ENTRY

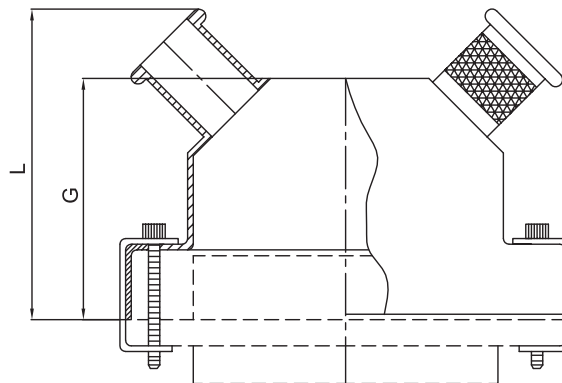


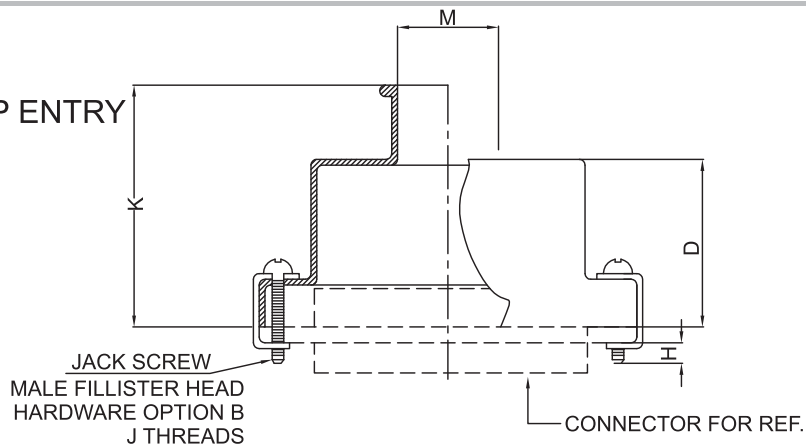
TABLE I

SHELL SIZE	A	B	C	D	E	F	G	H	J	K ±0.8	L MAX
9	19.70	9.10	14.40	8.10	11.00	15.40	16.50	3.90	2-56 UNC-2	19.10	25.40
15	23.50	9.10	18.20	11.20	11.20	16.30	17.80	3.90	2-56 UNC-2	22.40	26.20
21	27.30	9.10	22.00	14.20	11.60	17.20	18.70	3.90	2-56 UNC-2	25.40	26.70
25	29.80	9.10	24.50	15.70	12.30	18.20	20.30	3.90	2-56 UNC-2	26.90	27.70
31	33.70	9.10	28.30	17.30	12.10	18.40	21.80	3.90	2-56 UNC-2	28.40	28.70
37	37.50	9.10	32.10	18.30	12.20	18.90	23.50	3.90	2-56 UNC-2	29.50	31.30
51	36.20	10.20	30.90	19.10	13.90	21.10	24.80	3.90	2-56 UNC-2	30.20	31.80
100	54.90	11.40	45.70	20.60	17.40	25.00	26.70	4.90	4-40 UNC-2	31.80	33.50

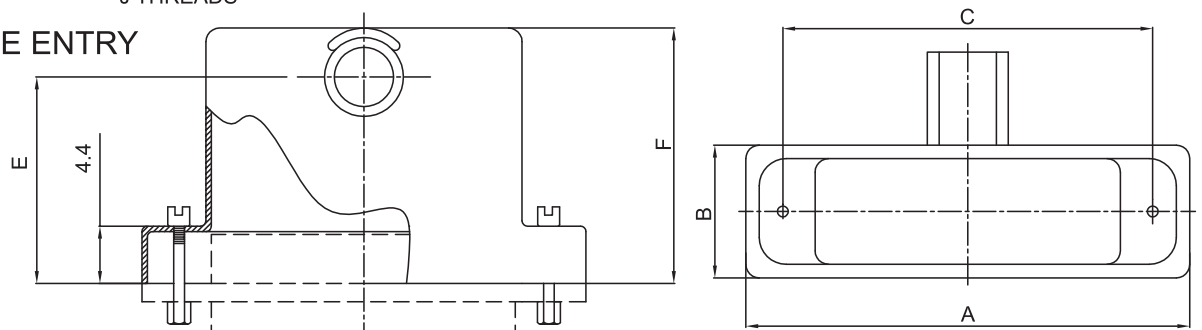
TABLE II

CABLE ENTRY	SHELL SIZE	M ENTRY DIA.	N ENTRY DIA.
04	09 THRU 100	3.20	7.10
05	09 THRU 100	4.00	7.90
06	09 THRU 100	4.80	8.70
07	09 THRU 100	5.60	9.50
08	09 THRU 100	6.40	10.30
09	31 THRU 100	7.10	11.10
10	51 THRU 100	7.90	11.90
11	100 ONLY	8.70	12.7
12	100 ONLY	9.50	13.50

STYLE V - TOP ENTRY



STYLE W - SIDE ENTRY



STYLE X - 45° ENTRY

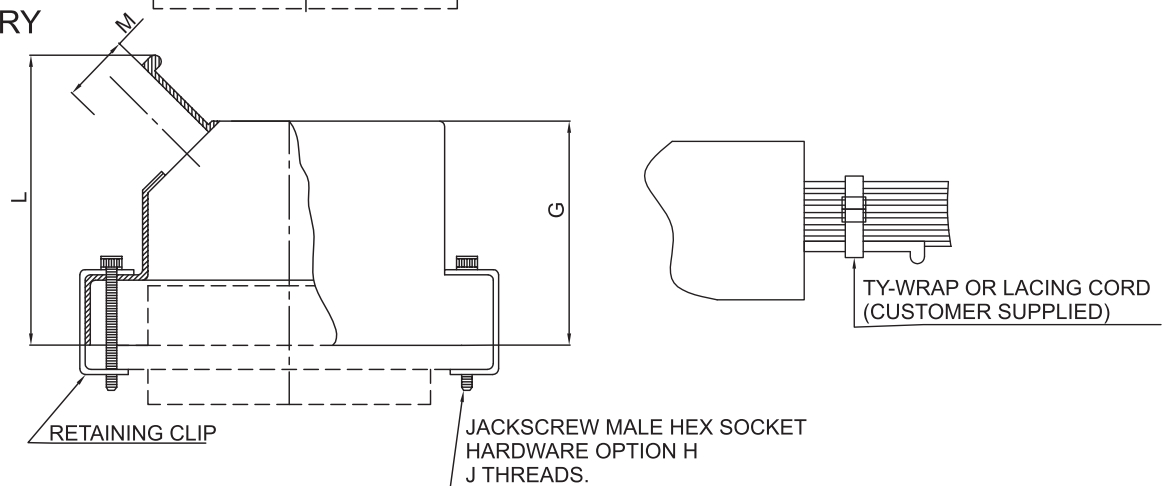
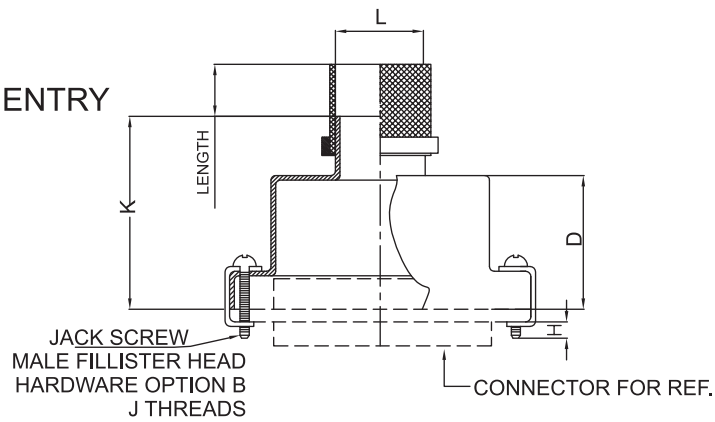


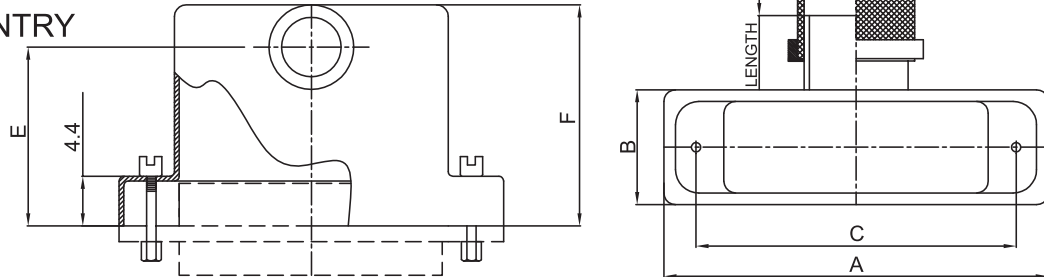
TABLE I

SHELL SIZE	A	B	C	D	E	F	G	H	J	K ±0.8	L MAX	M DIA. ±0.1
9	19.70	9.10	14.40	8.10	15.40	11.00	16.50	3.90	2-56 UNC-2	17.80	22.90	4.00
15	23.50	9.10	18.20	11.20	16.30	11.20	17.80	3.90	2-56 UNC-2	20.80	24.40	4.80
21	27.30	9.10	22.00	14.20	17.20	11.60	18.70	3.90	2-56 UNC-2	23.90	25.10	5.60
25	29.80	9.10	24.50	15.70	18.20	12.30	20.30	3.90	2-56 UNC-2	25.40	26.70	6.40
31	33.70	9.10	28.30	17.30	18.40	12.10	21.80	3.90	2-56 UNC-2	26.90	27.40	6.70
37	37.50	9.10	32.10	18.30	18.90	12.20	23.50	3.90	2-56 UNC-2	27.90	25.90	7.10
51	36.20	10.20	30.90	19.10	21.10	13.90	24.80	3.90	2-56 UNC-2	28.70	30.70	7.90
100	54.90	11.40	45.70	20.60	25.00	17.40	26.70	4.90	4-40 UNC-2	30.20	32.50	9.50

STYLE V - TOP ENTRY



STYLE W - SIDE ENTRY



STYLE X - 45° ENTRY

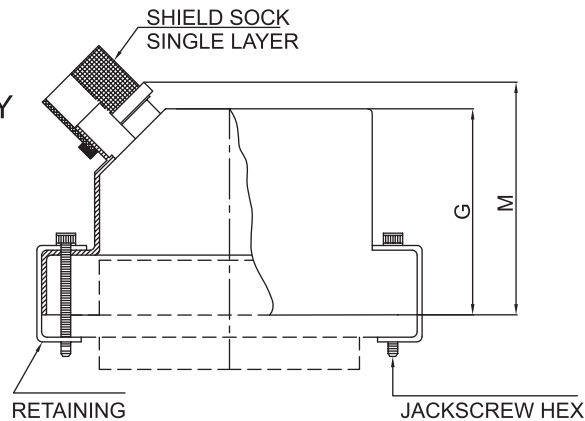
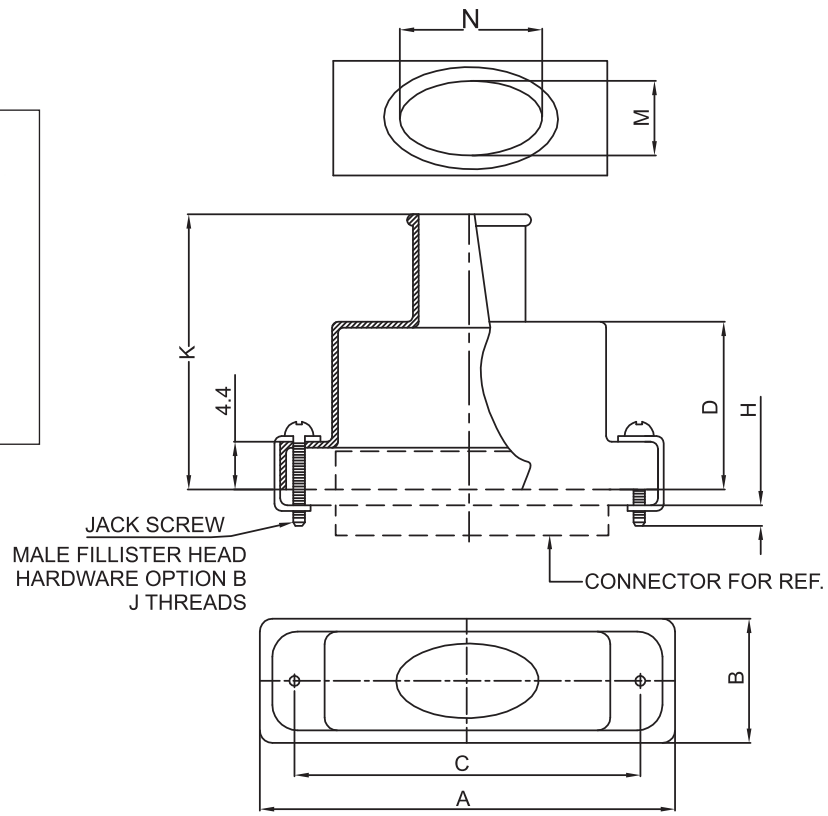
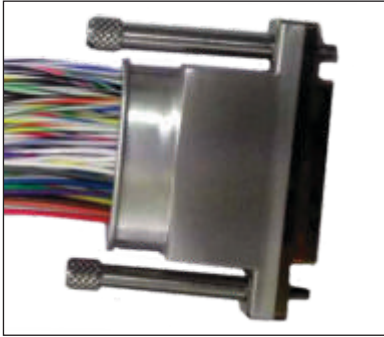


TABLE II - DIMENSION	
DASH NO.	L ENTRY
4	3.20
5	4.00
6	4.80
7	5.60
8	6.40
9	7.10
10	7.90
11	8.70
12	9.50

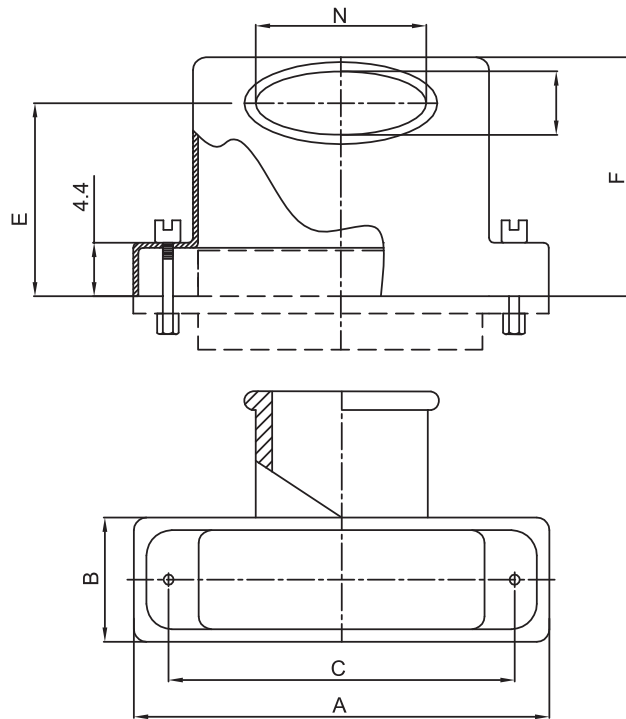
TABLE I

SHELL SIZE	A	B	C	D	E	F	G	H	J	K ±0.8	M MAX	MAX ENTRY TABLE II
9	19.70	9.10	14.40	8.10	11.00	15.40	16.50	3.90	2-56 UNC-2	19.10	25.40	8.00
15	23.50	9.10	18.20	11.20	11.20	16.30	17.80	3.90	2-56 UNC-2	22.40	26.20	8.00
21	27.30	9.10	22.00	14.20	11.60	17.20	18.70	3.90	2-56 UNC-2	25.40	26.70	8.00
25	29.80	9.10	24.50	15.70	12.30	18.20	20.30	3.90	2-56 UNC-2	26.90	27.70	8.00
31	33.70	9.10	28.30	17.30	12.10	18.40	21.80	3.90	2-56 UNC-2	28.40	28.70	9.00
37	37.50	9.10	32.10	18.30	12.20	18.90	23.50	3.90	2-56 UNC-2	29.50	29.50	9.00
51	36.20	10.20	30.90	19.10	13.90	21.10	24.80	3.90	2-56 UNC-2	30.20	30.20	10.00
100	54.90	11.40	45.70	20.60	17.40	25.00	26.70	4.90	4-40 UNC-2	31.80	31.80	12.00

STYLE V - TOP ENTRY



STYLE W - SIDE ENTRY



STYLE X - 45° ENTRY

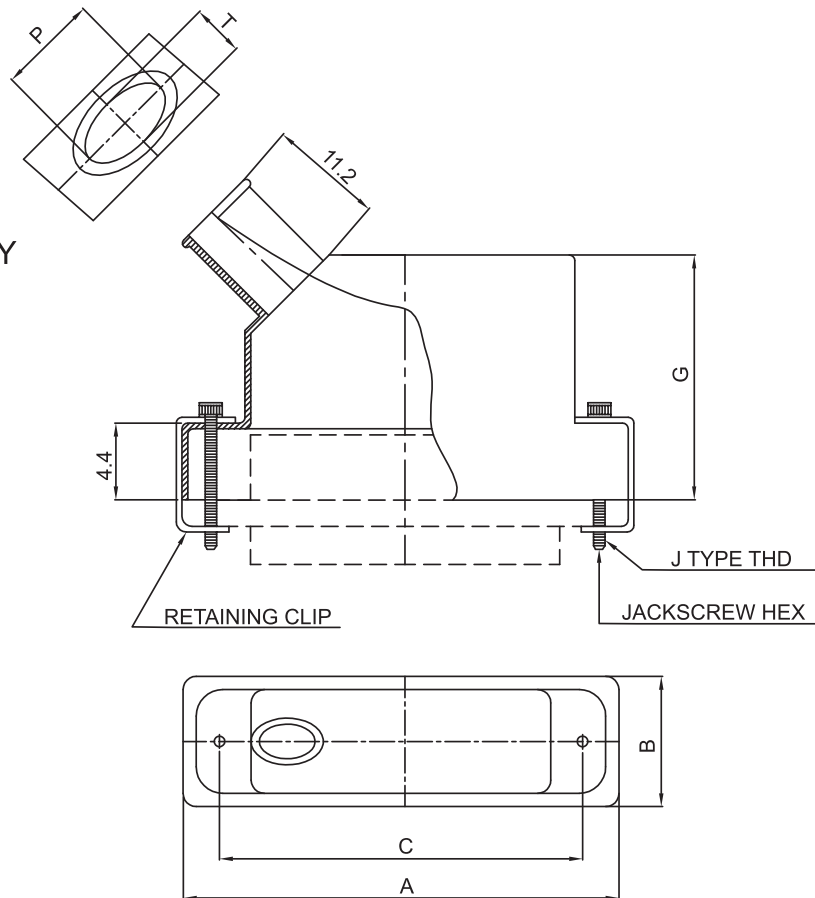
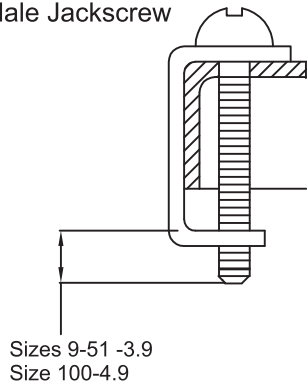


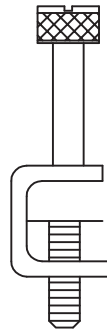
TABLE I

SHELL SIZE	A	B	C	D	E	F	G	P	T	H REF.	J	K ±0.8	M	N
9	19.70	8.60	14.40	8.10	11.00	15.40	21.30	8.10	4.00	3.90	2-56 UNC-2	19.10	7.10	7.90
15	23.50	8.60	18.20	11.20	11.20	16.30	22.60	9.80	4.80	3.90	2-56 UNC-2	22.40	7.10	10.70
21	27.30	8.60	22.00	14.20	11.40	17.20	23.60	11.40	5.60	3.90	2-56 UNC-2	25.40	7.10	15.00
25	29.80	8.60	24.50	15.70	12.30	18.20	24.90	12.90	6.40	3.90	2-56 UNC-2	26.90	7.10	17.50
31	33.70	8.60	28.30	17.30	12.10	18.40	25.40	13.80	6.70	3.90	2-56 UNC-2	28.40	7.10	20.80
37	37.50	8.60	32.10	18.30	12.10	18.90	25.90	14.20	7.10	3.90	2-56 UNC-2	29.50	7.10	24.60
51	36.20	9.70	30.90	19.10	13.70	21.10	27.20	16.20	7.90	3.90	2-56 UNC-2	30.20	7.90	23.40
100	54.90	10.90	45.70	20.60	17.40	25.00	29.50	19.50	9.50	4.90	4-40 UNC-2	31.80	9.10	32.80

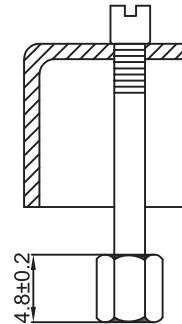
Style "B"
Fillister Head
Male Jackscrew



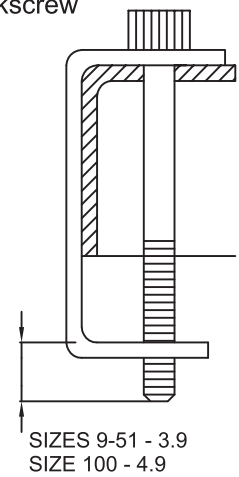
Style "E"
Extended Jackscrew



Style "F"
Female Jackpost



Style "H"
Hex (Allen) Head
Jackscrew



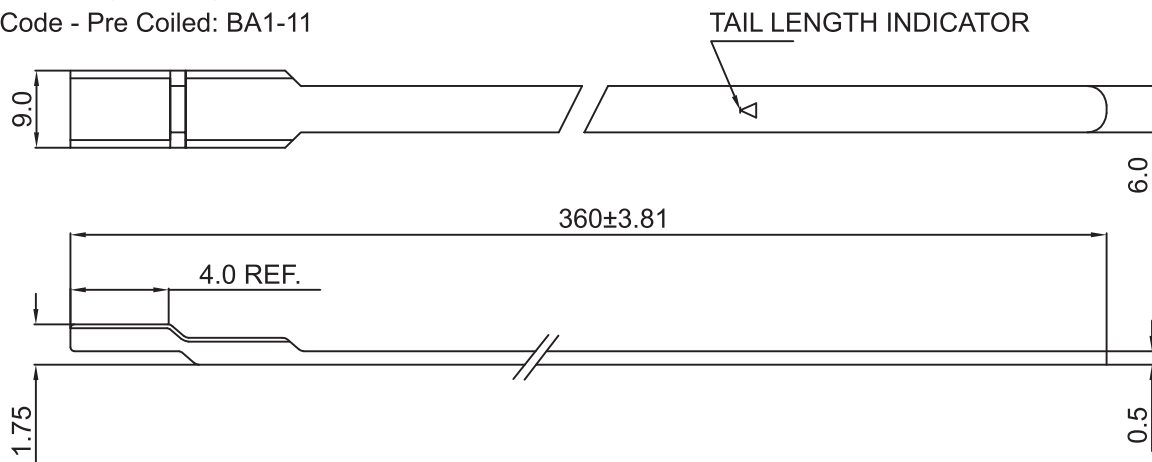
NOTES:-

FB:- (1) Female Jackpost & (1) Male Jackpost
FH:- (1) Female Jackpost & (1) Male Hex Socket

BAND OPTION: B

STANDARD BAND (600-052)

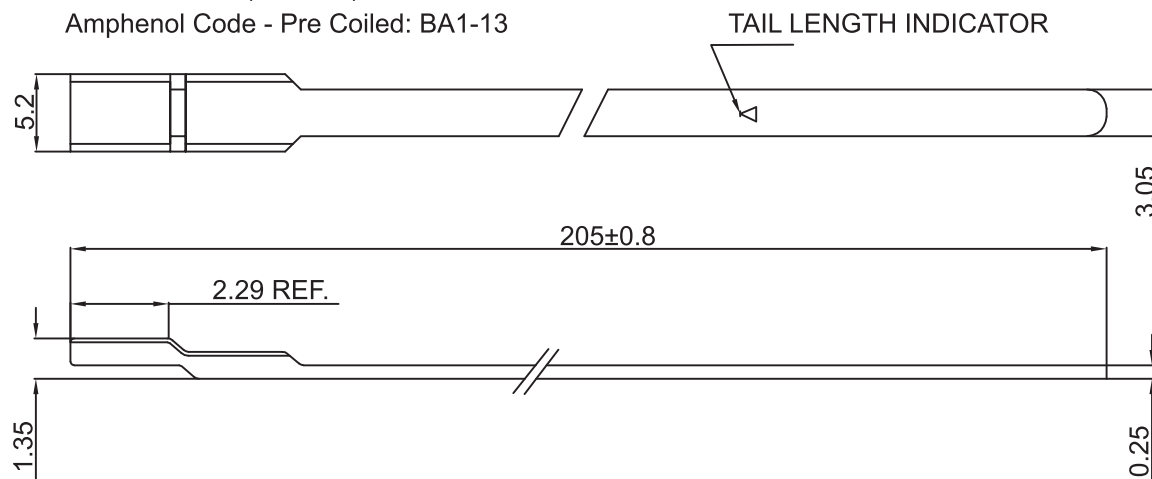
Amphenol Code - Pre Coiled: BA1-11



BAND OPTION: B1

MICRO-BAND (600-057)

Amphenol Code - Pre Coiled: BA1-13



SERIES DESIGNATION	MDB	XX	CABLE ENTRY STYLE	FINISH	XX	HARDWARE	CABLE ENTRY	6	B
BASIC PART NO.									
10:- STANDARD EMI BACKSHELL									
11:- STRAIN RELIEF BACHSHELL									
12:- EMI BACKSHELL WITH SHIELD SOCK									
20:- ELLIPTICAL ENTRY EMI BACKSHELL									
CABLE ENTRY STYLE									
V:- TOP ENTRY									
W:- SIDE ENTRY									
X:- 45° ENTRY									
Y:- DUAL 45° ENTRY									
PLATING FINISH									
CB:- ELECTROLESS NICKEL									
VB:- CADMIUM PLATE WITH O/DRAB DARK GREEN SHADE OVER ELECTROLESS NICKEL FINISH.									
BD:- BLACK ANODIZE FINISH.									
MC:- 0.5 MICRON GOLD PLATED OVER NICKEL									
YB:- YELLOW CHROMATE TREATMENT (CHEM. FILM) (VD)									
VD:- CADMIMUM PLATING WITH YELLOW PASSIVATION (YB)									
SHELL SIZE									
09, 15, 21, 25, 31, 37, 51, 100									
HARDWARE OPTION									
B:- MALE FILLISTER HEAD									
E:- EXTENDED JACK SCREW									
H:- MALE HEX SOCKET									
F:- FEMALE JACKPOST (REF. PAGE NO. 11)									
FB:- 1 FEMALE JACKPOST & 1 MALE JACK POST									
FH:- 1 FEMALE JACKPOST & 1 MALE HEX SOCKET									
CABLE ENTRY SIZE									
04, 05, 06, 07, 08, 09, 10, 11, 12									
(IGNORE CABLE ENTRY FOR ELLIPTICAL & STRAIN RELIEF BACKSHELL)									
Shield Sock Length									
Length in 1INCH increments (E.g. 6=6)									
(ONLY FOR EMI Backshell with shield sock)									
BAND OPTION									
B- Pre-coiled STANDARD BAND									
B1- Pre-coiled MICRO BAND									

Amphenol

A Global Company



Pune Operations



Bangalore Operations

Amphenol

Interconnect India Pvt. Ltd.

Manufacturing Locations

Corporate Office & Pune Factory

105, Bhosari Industrial Area, Pune - 411 026.
Tel.: 91-20-67360302
Fax : 91-20-67360321
Email: rjohn@amphenol-in.com

Exports

Tel.: 91-20-6736 0305, 6736 0353
Email : svpatil@amphenol-in.com

Bangalore Factory

61, Keonics Electronic City, Hosur Road,
Bangalore - 560 102.
Mobile : 91-6679 0900 /910 /937
Email : shrikantgramopadhye@amphenol-in.com

Marketing Locations

Marketing Headquarters

Tel.: 91-20-6736 0303, 6736 0304
Fax : 91-20-6736 0321
Email : vbhavsar@amphenol-in.com
Email : sales@amphenol-in.com

Western Region

Tel.: 91-20-6736 0334
Email : sunilp@amphenol-in.com

Northern & Eastern Region

A-421, Pacific Business Park,
Plot No. 37/1, Sahibabad Indst. Area
Site IV, Ghaziabad (UP) - 201 010.
Mobile : 91-99102 11399
Email : sunily@amphenol-in.com

Southern Region

No. 1115, 22nd Main Road, 11th Cross,
Sector -1, HSR Layout, Bangalore - 560 102.
Tel.: 91-80-4953 0341, 4953 0345
Fax: 91-80-4953 8697
Email : kmanoj@amphenol-in.com

Central Region

107, 1st Floor, 'Am Sri Classic',
Sarojinidevi Road, Secunderabad - 500 003.
Telefax : 91-40-6633 2906
Email : pprasad@amphenol-in.com