Bantam Bayonet

Amphenol Commercial Air

PDS-279-2

Micro Bayonet Connectors

Designed for
Aerospace Applications
at a Fraction of the Cost

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Amphenol's Bantam Product Series was inspired by the need to replace D-Sub and traditional high cost connectors with a low cost alternative while maintaining the high performance demanded by today's flight critical applications

FEATURES:

- Low Cost
- Simplified Termination with tape and reel contacts
- Small Form Factor
- Secure Latching
- Tool-less & Fast Mate
- Lightweight

OVERVIEW

Bantam is a high performance circular connector product range developed for aerospace applications where electrical performance must be met with affordability. High mating cycles along with excellent shell to shell electrical bonding for EMI are the benchmark of rugged connectors. Bantam provides the solution that meets your budget and performance goals. Amphenol has filled the gap between the most ruggedized military grade connectors and the consumer grade connectors with Bantam!

Bantam utilizes a robust triple bayonet coupling mechanism along with an internal EMI ground spring to provide excellent shell to shell conductivity. Various mounting options are available including in-line and 2 hole flange mount configurations.

Bantam meets the RoHS and EWIS requirements for the aerospace cabin environment.

KEY FEATURES AND BENEFITS:

- High Density
- Shell to Shell Shielding
- EWIS and RoHS Compliant
- Bayonet Coupling provides quick and positive locking
- Compact and Lightweight
- Quick Termination Process
- High Reliability interconnect for demanding applications

APPLICATIONS:

- Cabin & Proximity Lighting
- Sensors
- IFE&C
- In-Seat Wiring
- In-line Connections
- Panel/Equipment Connections

PERFORMANCE:

General Specifications

Available Inserts:	7 Pins & 15 Pins; Size 22D
Current:	3 amp @ 26 AWG 5 amp @ 22 AWG
Class:	F (Al shell, nickel plated)
Operating Voltage:	500VAC
Crimp Contact Term:	#22 to #26 AWG
Shell-to-shell Conductivity:	2.5 mΩ
Operating Termperature:	-55° to 125° C
Mating/unmating cycles:	>500
Keying Options:	5 or more

MATERIALS (RoHS COMPLIANT):

- Shell and Coupling Nut: Aluminum Alloy, Nickel Plated as standard
- Inserts High Performance thermoplastic
- Contacts: Stainless Steel & Copper Alloy, Gold Plated

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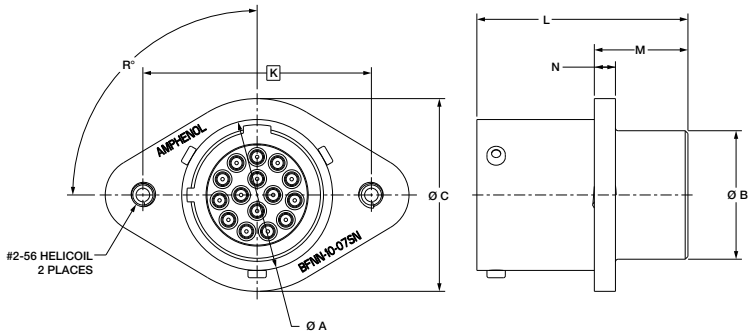
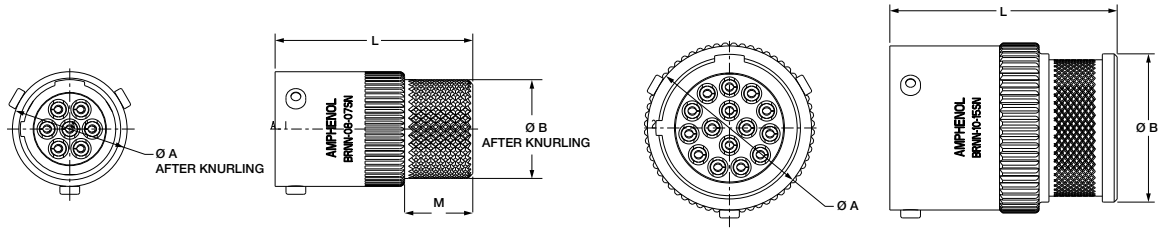
2 HOLE FLANGE MOUNTING RECEPTACLE



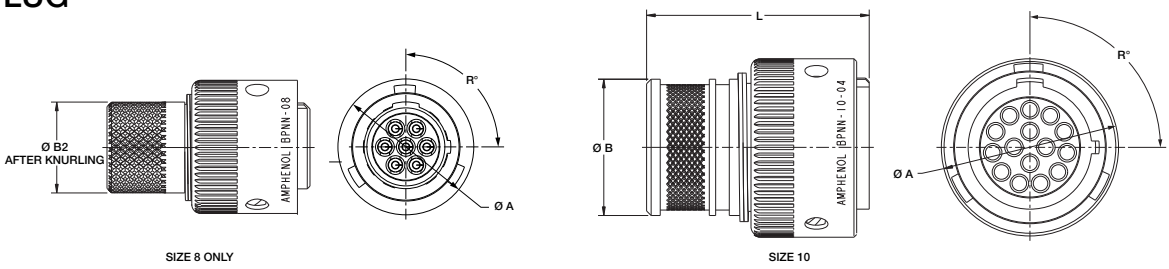
Part Number	Size	Arrangement	Ø A ±.006	Ø B ±.006	ØC ±.004	K	L ± .008	M±.004	N ±.004
BFNN-08-07( )	08	07	.457	.394	.551	.760	.709	.205	.091
BFNN-10-15( )	10	15	.647	.551	.827	.980	.906	.402	.091

INLINE RECEPTACLE



Part Number	Size	Arrangement	Ø A	Ø B	L	M	Number of Contacts		
							Size 22D	Size 20	Size 16
BRNN-08-07( )	08	07	.462-.446	.400-.393	.795-.779	.280-.272	7	0	0
BRNN-10-15( )	10	15	.671-.683	.585-.596	.898-.913	N/A	15	0	0

PLUG



Part Number	Size	Arrangement	Ø A	Ø B	Ø B2	L	Number of Contacts		
							Size 22D	Size 20	Size 16
BPNN-08-07( )	08	07	.583-.591	N/A	.393-.400	.875-.885	7	0	0
BPNN-10-15( )	10	15	.763-.773	.590-.597	N/A	.960-.970	15	0	0

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How to Order - BANTAM 1/4 Turn Bayonet Coupling

1. Series	2. Shell Plating	3. Class	4. Insert Arrangement	5. Contacts	6. Keying	7. Optional Code
BP	N	N-	08-07	P	N	

1. SERIES	
BP	Plug, Integral Backshell
BR	In-Line Receptacle, Integral Backshell
BF	2 Hole Flange Receptacle

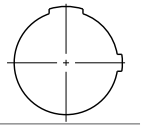
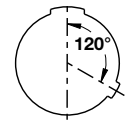
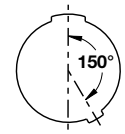
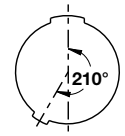
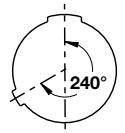
2. SHELL PLATING	
N	Electroless Nickel

3. CLASS	
N-	Non Environmental

4. INSERT ARRANGEMENTS			
Insert Arrg	#22D	#20	#16
08-07	7		
10-15	15		
10-12*	11		1
10-04*			4
10-07*	4		3

*Coming soon

5. CONTACTS	
P	Pin Crimp (S&F)
S	Socket Crimp (S&F)
A	Pin, less contacts
B	Socket, less contacts
C	Pin Crimp (machined crimp barrel
D	Socket Crimp (machined crimp barrel)
E	Pin PC Tail-Length .150
F	Socket PC Tail-Length .150

6. KEYING	
N	
A	
B	
C	
D	

7. OPTIONAL CODE	
B	Shield Termination Micro Band Included

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