

Overview

The 4.34" 20-meter waterproof RF Coaxial Gooseneck Assembly allows for flexible antenna mounting options. The RF Coaxial Gooseneck Assembly allows Omni antennas to be mounted in different positions with respect to other antennas. This becomes particularly useful when dealing with MIMO radio antenna setups & dismounted user applications.

Features:

- DC - 8 GHz
- .384" OD. Flex-Arm (Includes Waterproof Cover)
- Low RF Insertion Loss
- Waterproof to 20 Meters (65.6 ft.)
- Bend 90°+
- Black Chrome RF SMA Male Connector
- TNC Female Non-Rotating RF Connector
- Rugged Design
- Black Finish / Low Visibility

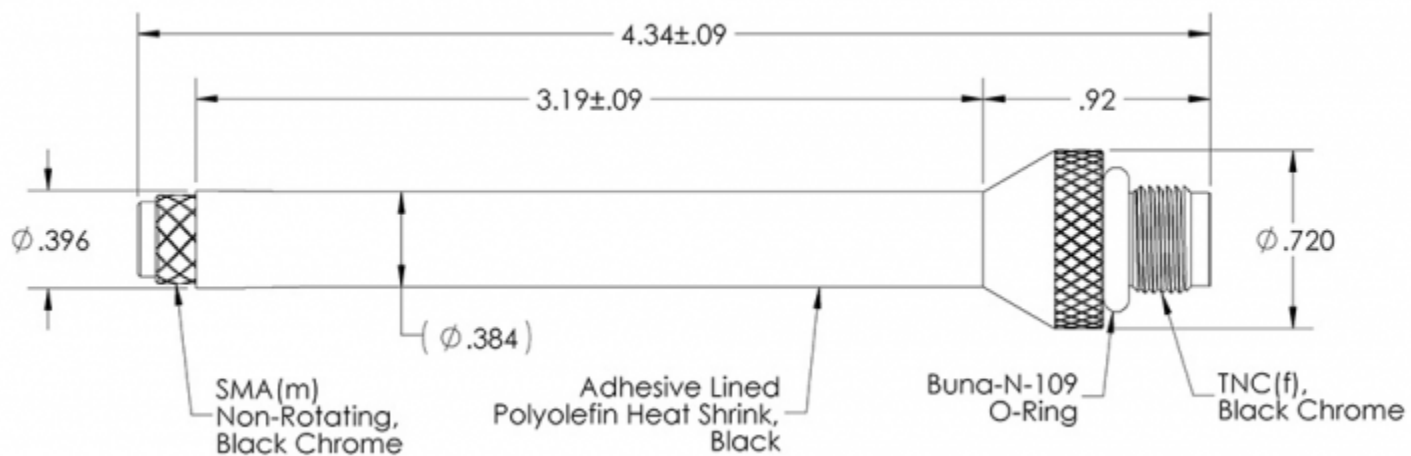
Applications

- Transmit & Receive Antennas
- Handheld Radios
- Body Worn Radios & Systems
- Small Form Factor Radios
- Unattended Sensor Systems
- Dismounted Communications
- Precision Surveying Receivers
- Unmanned Ground Vehicles
- I.E.D. Recognition & Destruction
- Jamming Systems
- Asset Tracking
- Oil & Gas Industries
- Law Enforcement
- Military & Defense



RF Gooseneck Specifications

Parameter	Value	Units	Tolerance
RF Gooseneck Impedance	50	Ohms	
RF Gooseneck Operating Frequency Range	DC - 8 GHz		
RF Gooseneck Insertion Loss (Typical)	500MHz = - .1dB, 1GHz = -.16dB, 2GHz = -.22dB, 3GHz = - .27dB, 4GHz = -.35dB, 5GHz = -.38dB, 6GHz = -.3dB, 7GHz = -.35dB, 8GHz = -.55dB		
RF Gooseneck VSWR (Max)	2.0:1	Ratio	1.5:1 Typical
RF Gooseneck Power Handling (Max)	50	Watts	
RF Gooseneck Flexarm Material	Steel construction		
RF Gooseneck Flexarm Finish	Black enamel paint, adhesive lined black Polyolefin heat shrink cover		
RF Gooseneck RF Connector Interfaces	SMA(m) Non-Rotating & TNC(f)		
RF Gooseneck RF Connector Types	SMA(m) - black chrome over brass, TNC(f) - nickel silver over brass & black chrome		
Waterproof	20 meter waterproof rating (with adhesive lined Polyolefin Heat Shrink cover) and SMA & TNC QPL dust caps in place		
RF Gooseneck Operating Temp	-40 to +85	C	
RF Gooseneck Storage Temp	-55 to +85	C	
Product Length	4.34 / 110.24	inches / mm	±.09"
Product Diameter	0.38 / 9.65	inches / mm	+ .010" / -.005"
Product Weight	1.8 / 49.9	oz / grams	



Engineering Drawing

All dimensions are in inches