

Overview

The 9" RF Coaxial Gooseneck Assembly allows for flexible antenna mounting options, allowing 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. Southwest Antennas RF Coaxial Gooseneck Assemblies can also be threaded through vest loops, web gear, and MOLLE gear giving users increased flexibility in antenna mounting options.

Part #1040-002 from Southwest Antennas features an overall length of nine inches, an outside diameter of 0.5 inches, and non-rotating Type-N(m) and Type-N(f) RF connectors. This model is waterproof to a depth of 20 meters (65.6 ft.), can bend and hold past a 90-degree angle, and has a black low-visibility finish.

Features:

- DC - 6 GHz
- 0.5" Flex-Arm Diameter (Includes Primary Seal)
- Durable Raychem NTRF Neoprene Heat Shrink Primary Seal
- Two Secondary Polyolefin Heat Shrink Seals
- Waterproof to 20 Meters (65.6 ft.)
- Low RF Insertion Loss
- Black Chrome RF Connectors
- Bend & Hold 90°+
- Type-N(m) & Type-N(f) Non-Rotating RF Connector
- Light-Weight Design
- Ruggedized 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

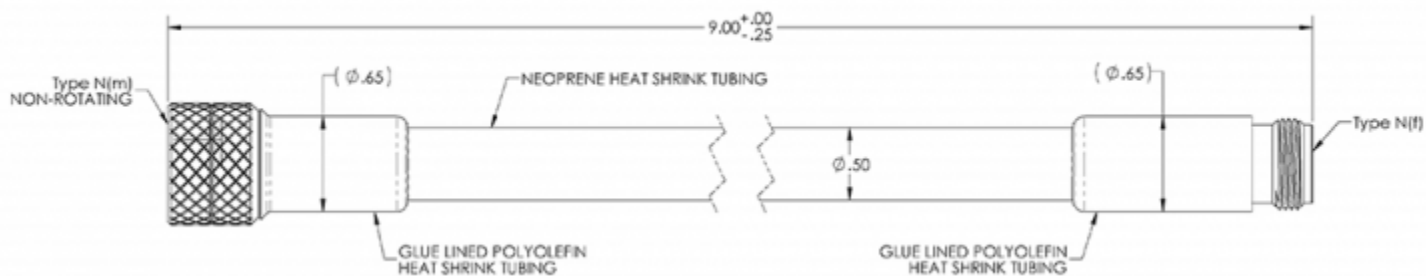
RF Gooseneck Specifications

Parameter	Value	Units	Tolerance
RF Gooseneck Impedance	50	Ohms	
RF Gooseneck Operating Frequency Range	DC to 6 GHz		
RF Gooseneck Insertion Loss (Typical)	500MHz = -.4dB, 1GHz = -.5dB, 2GHz = -.6dB, 3GHz = -.7dB, 4GHz = -.8dB, 5GHz = -1.25dB, 6GHz = -1.5dB		
RF Gooseneck VSWR (Max)	2.0:1		
RF Gooseneck Power Handling (Max)	50	Watts	
RF Gooseneck Max Load Vertically Mounted	1.8 / 0.8	lbs / kg	
RF Gooseneck Max Load Horizontally Mounted	0.9 / 0.4	lbs / kg	
RF Gooseneck Flexarm Material	Steel and aluminum construction		
RF Gooseneck Flexarm Finish	Gooseneck flex arm covered and sealed with primary Neoprene shrink tube (Raychem NTFR material), two secondary environmental seals provided by Polyolefin glue lined shrink tube (Raychem ATUM 3/4 material)		
RF Gooseneck RF Connector Interfaces	MIL-STD-348 compliant RF Connectors, black chrome finish per MIL-DTL-14538		
RF Gooseneck RF Connector Types	Type-N(m) (non-rotating) & Type-N(f)		
Waterproof	Gooseneck assembly to show no evidence of moisture internally when submerged in 20 meters of water (all connectors capped with QPL Type-N dust caps)		
RF Gooseneck Operating Temp	-40 to +85	C	
RF Gooseneck Storage Temp	-55 to +85	C	
Product Length	9.00 / 228.60	inches / mm	+ .000" - .250"
Product Diameter	0.50 / 12.70	inches / mm	±0.1"



Part # 1040-002
RF Coaxial Gooseneck Assembly, 9.0" Length, 0.5" OD, Type-N(m) to
Type-N(f) RF Connectors

Parameter	Value	Units	Tolerance
Product Weight	4.8 / 136.1	oz / grams	



Engineering Drawing

All dimensions are in inches