

Overview

Southwest Antennas Part # 1040-035 is a 5" RF coaxial gooseneck assembly that 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
- .47" Diameter Flex-Arm (Includes Primary Seal)
- Durable Neoprene (Raychem NTFR) 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 Greater Than 45°
- Type-N Male (Non Rotating) RF Connectors
- Light-Weight Design
- 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



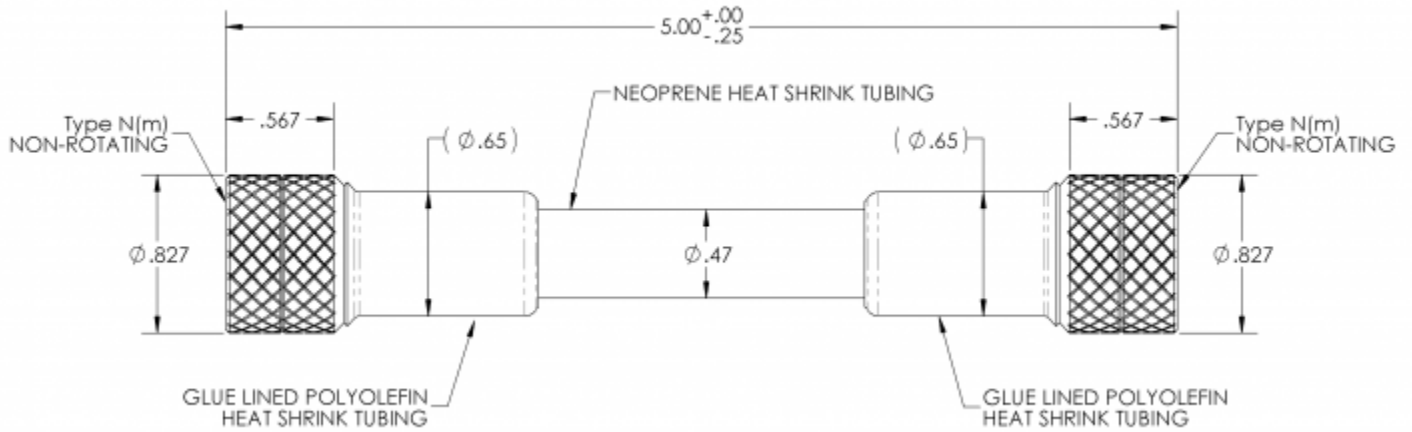
RF Gooseneck Specifications

Parameter	Value	Units	Tolerance
RF Gooseneck Impedance	50	Ohms	
RF Gooseneck Operating Frequency Range	DC to 8 GHz		
RF Gooseneck Insertion Loss (Typical)	500MHz = -.2dB, 1GHz = -.3dB, 2GHz = -.4dB, 3GHz = -.5dB, 4GHz = -.5dB, 5GHz = -.6dB, 6GHz = -1.0dB, 7GHz = -1.0dB, 8GHz = 1.0dB		
RF Gooseneck VSWR (Max)	2.0:1		
RF Gooseneck Power Handling (Max)	50	Watts	
RF Gooseneck Max Load Vertically Mounted	3.50 / 1.59	lbs / kg	
RF Gooseneck Max Load Horizontally Mounted	3.50 / 1.59	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)		
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	5.000 / 127.000	inches / mm	+ .000" - .250"
Product Diameter	0.470 / 11.938	inches / mm	±0.1"



Part # 1040-035
**RF Coaxial Gooseneck Assembly, 5.0" Length, 0.47" OD, Type-N(m) Non-
Rotating RF Connectors**

Parameter	Value	Units	Tolerance
Product Weight	3.30 / 93.55	oz / grams	



Engineering Drawing

All dimensions are in inches