

## Overview

The 12" 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 #1040-028 from Southwest Antennas features an overall length of twelve inches, an outside diameter of 0.495 inches, and Type-N(m) Non-Rotating to SMA(m) Non-Rotating RF connectors. This model is waterproof to a depth of 20 meters (65.6 ft.), can bend and hold past a 180-degree angle, and has a black low-visibility finish.

## Features:

- DC - 8 GHz
- .495" Flex-Arm Outside 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
- Bend & Hold 180°+
- Type-N(m) Non-Rotating to SMA(m) Non-Rotating Black Chrome RF Connectors
- Light Weight
- Rugged Design
- "Flat Black" Finish / Low Visibility



## Applications:

- Transmit & Receive Antennas
- Body Worn Radios & Systems
- Handheld Radios
- 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**

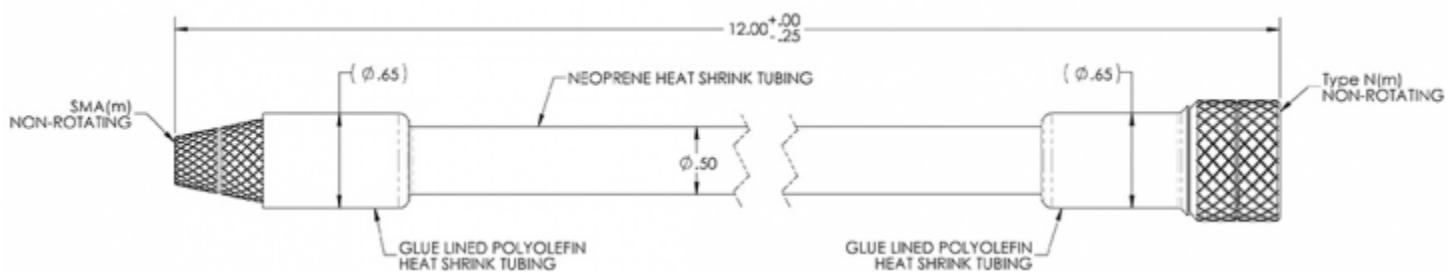
Parameter	Value	Units	Tolerance
<b>RF Gooseneck Impedance</b>	50	Ohms	
<b>RF Gooseneck Operating Frequency Range</b>	DC to 8 GHz		
<b>RF Gooseneck Insertion Loss (Typical)</b>	500MHz = -.35dB, 1GHz = -.5dB, 2GHz = -.75dB, 3GHz = -1.0dB, 4GHz = -1.0dB, 5GHz = -1.05dB, 6GHz = -1.2dB, 7GHz = -1.3dB , 8GHz = -1.5dB		
<b>RF Gooseneck VSWR (Max)</b>	1.9:1	Ratio	
<b>RF Gooseneck Power Handling (Max)</b>	50	Watts	
<b>RF Gooseneck Max Load Vertically Mounted</b>	0.9 / 0.4	lbs / kg	
<b>RF Gooseneck Max Load Horizontally Mounted</b>	0.6 / 0.3	lbs / kg	
<b>RF Gooseneck Flexarm Material</b>	Steel & aluminum construction		
<b>RF Gooseneck Flexarm Finish</b>	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)		
<b>RF Gooseneck RF Connector Interfaces</b>	MIL-STD-348 compliant RF Connectors, black chrome finish per MIL-DTL-14538		
<b>RF Gooseneck RF Connector Types</b>	Type-N(m) Non-Rotating & SMA(m) Non-Rotating		
<b>Waterproof</b>	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)		
<b>RF Gooseneck Operating Temp</b>	-40 to +85	C	
<b>RF Gooseneck Storage Temp</b>	-55 to +85	C	
<b>Product Length</b>	12.00 / 304.80	inches / mm	+ .000" / -.250"
<b>Product Diameter</b>	0.50 / 12.57	inches / mm	±.1"



**Part # 1040-028**  
**RF Coaxial Gooseneck Assembly 12.0" Length, .495" OD, Type-N(m) Non-Rotating to SMA(m) Non-Rotating RF Connectors**

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Parameter	Value	Units	Tolerance
<b>Product Weight</b>	5.6 / 158.8	oz / grams	



### Engineering Drawing

All dimensions are in inches