



# Mil-Con Ruggedized Gooseneck Adapters

## Product Description



Mil-Con's Ruggedized Gooseneck Adapters enhance an antenna's receiving performance when mounted to a manpack or a body-worn hand-held radio. The gooseneck flexes to permit vertical orientation of a GPS antenna when a manpack radio is layed flat on a horizontal surface. It also positions the GPS antenna away from the body of a hand-held radio worn in a sling or by belt-clip. Positioning the antenna away from the radio can improve decoupling of noise fields at the top of the

radio, such as from data port connectors. Mil-Con has design and manufacturing capabilities to offer these adapters in unique or custom configurations to meet customers' environmental and mechanical requirements.

## Features

- Sealed to 1 meter of water depth in unmated or mated condition.
- Flexes in any direction.
- Does not spring back from a 75° flexed position (design and length dependent).
- Black, weather-resistant covering on crush-resistant metal gooseneck.
- Black exposed metal parts.
- Connector Types: SMA, TNC, RP TNC, N, and others upon request.
- Internal compliant RF connection.

## Applications

- Manpack radios.
- Hand-held radios worn in a sling or belt-clip.
- Communication accessories worn in soldiers' vests.
- GPS tracking communication devices.



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## Materials

**Bodies: 303/304 Stainless Steel Per QQ-S-763 Or 764.**

**Contacts: Beryllium Copper Per ASTM-B-196.**

**Insulators: Teflon Per ASTM-D-1710.**

**Flexible Tube: Galvanized Spring Steel.**

## Mechanical

**Length: Customer Specified (2.00" Minimum).**

**Flexures: 3,000 + Cycles.**

**Range: 360° Radial Circle.**

**Temperature Range: -55°C To +100°C.**

## Electrical

**DC Characteristics:**

**DC Continuity Through.**

**Voltage Rating: 250 VAC.**

**Current Rating: 1 Amp Minimum (Design Dependent).**

**RF Characteristics:**

**Frequency Range: DC – 6 GHz.**

**Maximum Insertion Loss: Design Dependent.**

**Power Handling: 100 Watts (Sea Level, 25°C) Minimum (Design Dependent).**

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