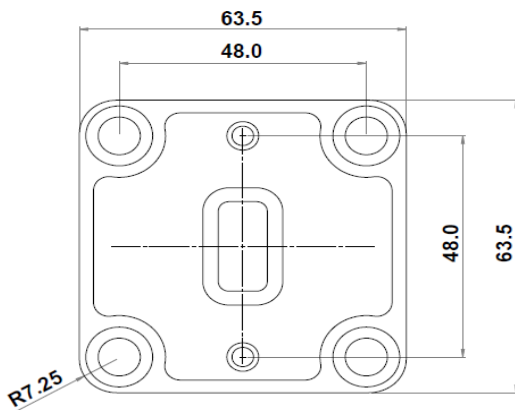
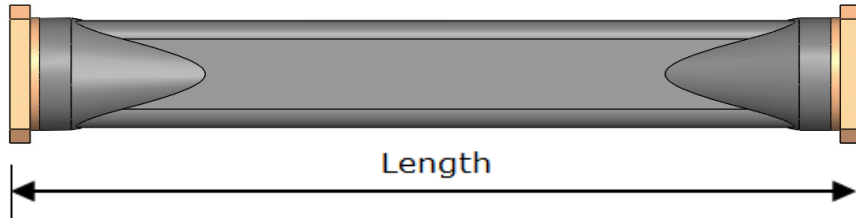
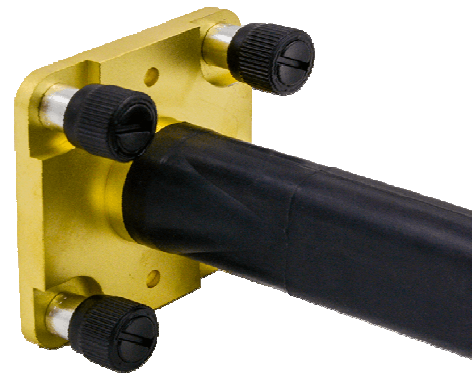


# flexiguide

## Product Specification



Flange Type



### Part Number:

**FT17-0876**

### Description

Product Type:

Flexible Twistable Waveguide

Waveguide Size:

WG17 / WR75 / R120

Flange Type (Both Ends):

Ku Band Quick Release (Male)

Length:

2500 mm / 98.4 inches

Length Tolerance:

+/- 1.5% or +/- 2 mm which ever is the greater

Flange Material / Plating:

Brass / No Plating

Accessories:

Hand Operated Screws

### Mechanical Specifications

Jacket Material:

Silicone Rubber

Core Material:

Silver Plated Brass

Max. Recommended Operating Pressure:

15 psi / 1.05 kg/cm<sup>2</sup>

Min. E-Plane Bend Radius (Static):

54 mm / 2.1 inches

Min. H-Plane Bend Radius (Static):

108 mm / 4.3 inches

Maximum Twist (Static):

365 Deg/m or 111 Deg/ft

Min. E-Plane Bend Radius (Repeated):

216 mm / 8.5 inches

Min. H-Plane Bend Radius (Repeated):

432 mm / 17 inches

Maximum Twist (Repeated):

92 Deg/m or 28 Deg/ft

### Electrical Specifications

Frequency Range: 10.0 - 15.0 GHz

Insertion Loss: 1.25 dB Maximum

Return Loss: 23.4 dB Minimum

Peak Power: 180 kW Maximum

Average Power: 750 W Maximum

### Environmental Performance

Temperature Range: -70 to +150°C

UV Resistance: Excellent

Ozone Resistance: Excellent

I.P. Rating: IP68

Salt Mist: BS EN 60068-2-52

(Method Kb - Extreme Marine Environments)