

# 21-48L

# CHELTON

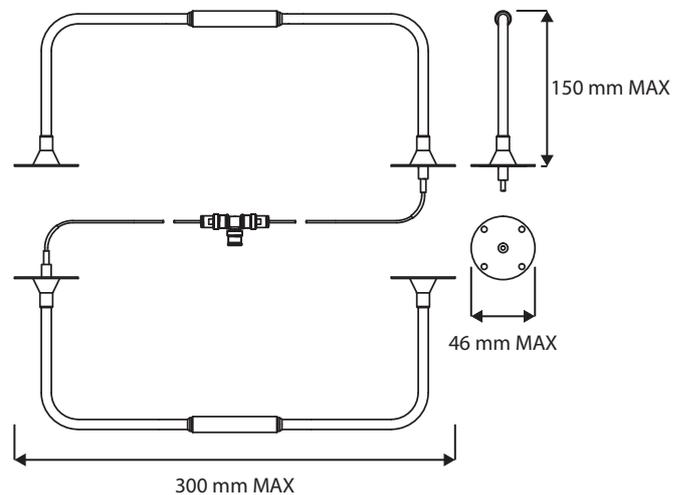
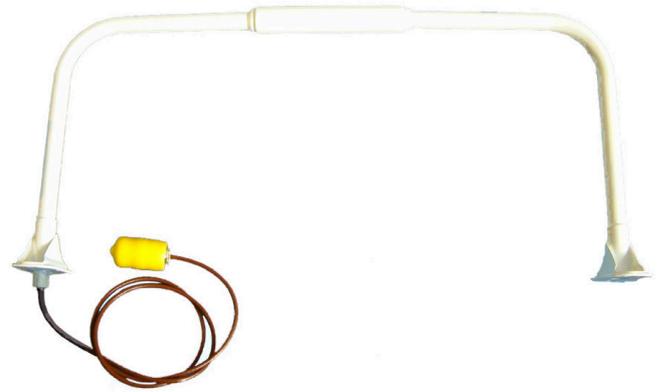
## VOR/LOC/GS loop antenna

### Key features:

- **Lightweight**

The 21-48L is an airborne antenna system intended for VOR/ILS and glideslope applications. Each antenna system comprises two centrally fed half loop (21-48L-1()) antennas, that when mounted on the aircraft must be fed in antiphase for correct function.

Each half loop is formed from stainless steel tubing with a fibreglass dielectric junction at its mid-point. From the mid-point a co-axial cable extends internally and exits through the mounting flange. The half loops are connected together via a T adaptor.



### ELECTRICAL

<b>Impedance</b>	50 $\Omega$
<b>VSWR</b>	<5.0:1
<b>Polarisation</b>	Horizontal
<b>Radiation</b>	Omnidirectional

### MECHANICAL

<b>Dimensions (LxWxH)</b>	300 x 46 x 150 mm
<b>Weight</b>	0.19 kg
<b>Connector</b>	BNC Female
<b>Platform(s)</b>	Air

### ENVIRONMENTAL

<b>Environmental</b>	DO-160
<b>Continuous Operating Temperature</b>	- 40°C Min + 55°C Max
<b>Altitude</b>	25000 ft
<b>Vibration</b>	DO-160C, Sect 8, Cat Y

