

EXTERNAL GNSS ANTENNA

EXT-GPS

DESCRIPTION

This multi-constellation GNSS Antenna is designed as an external antenna for the Cortex Hub, WatchMate Vision or XB series of AIS transponders. It is IP67 and UV stable for use in a harsh marine environment. GNSS (Global Navigation Satellite System) includes GPS, GLONASS, Bei Dou and Galileo positioning networks.

- Small SMA connector for easy installation
- Pre-wired 200mm (8") RF cable for easy servicing
- Two mounting configurations (deck or under deck)
- UV stable housing provides good color stability

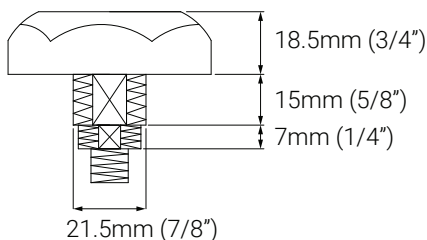


SPECIFICATIONS

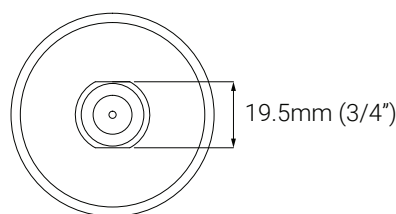
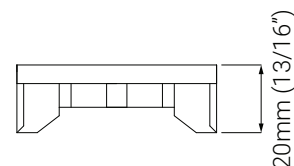
GENERAL	
CONSTRUCTIONS	UV stable plastic with a zinc plated alloy base
DIMENSIONS	60mm(Ø) x 19mm(H)
LOOM	200mm
WEIGHT	110g
COLORS	White
MOUNTING	Bulkhead, pole, deck and underdeck mounting
PERFORMANCE	
CONSTELLATIONS	GPS, GLONASS, Bei Dou, Galileo
ANTENNA GAIN @ 100 ELEVATION	2 dBi typical.
OPERATING TEMPERATURE	-45oC~ +85oC.
WATER RESISTANCE	IP67
NOISE FIGURE	2.0 max.
LNA GAIN	29dB
CURRENT CONSUMPTION	2.5V : 6.6mA Typ. 3V: 8.6mA Typ. 4V: 12.6mA Typ. 5V: 16.6mA Typ.
OUTPUT IMPEDANCE	50 ohm
INSTALLATION	
RF CABLE	RG174-200mm
CONNECTOR	SMA(F)
PULLING STRENGTH	6 Kg @ 5sec. molded plastic on connector end for strain relief.
SUPPLY VOLTAGES	2.5~5.5V DC.
NOISE FIGURE	2.0 max.

ANTENNA & PARTS DIMENSIONS

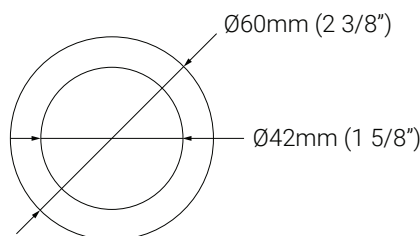
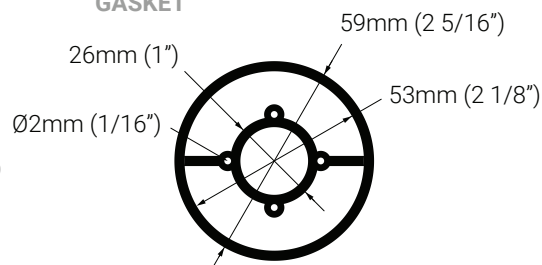
ANTENNA



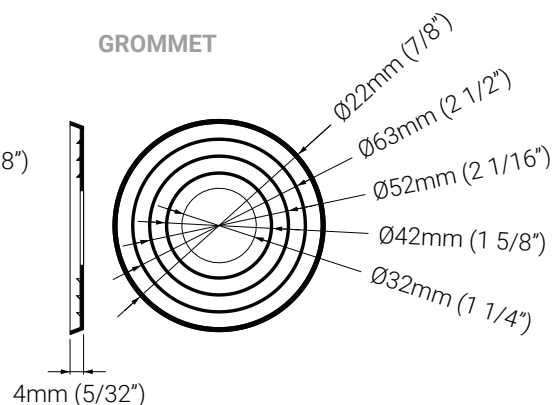
PLASTIC CLAMP SCREW



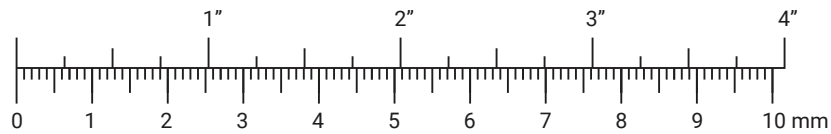
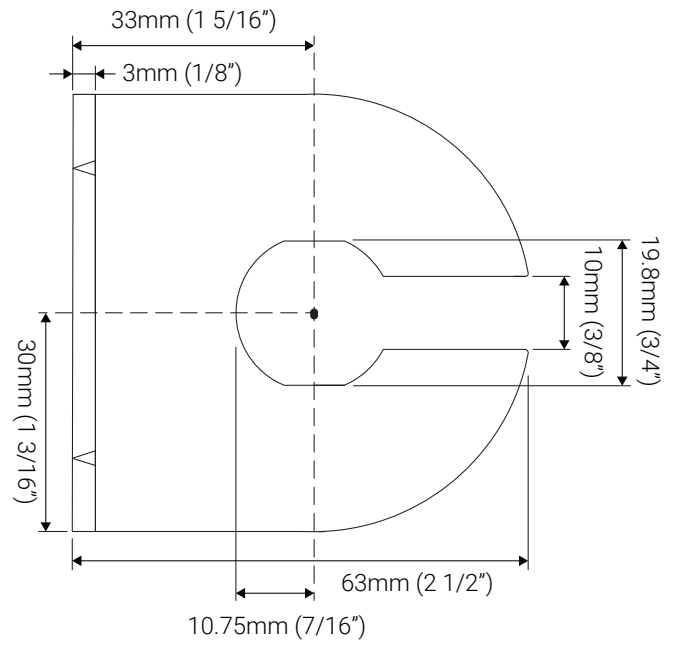
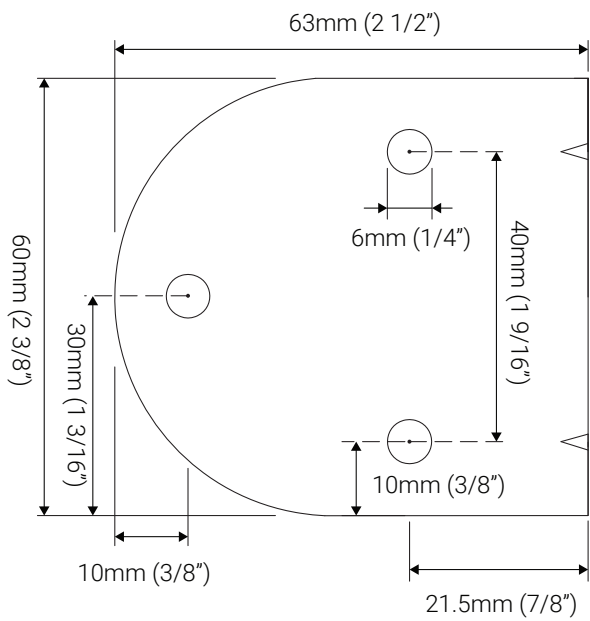
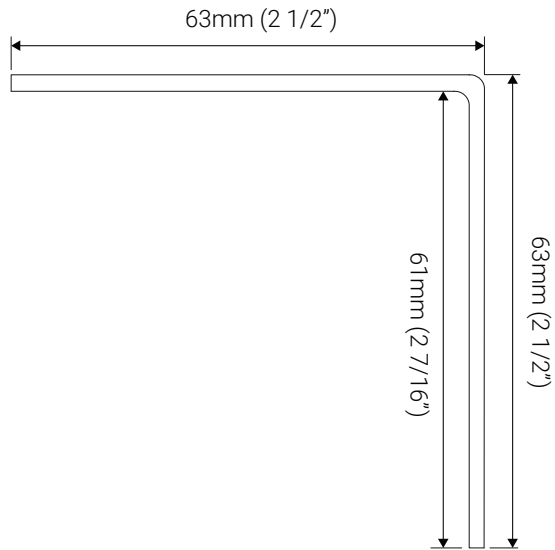
GASKET



GROMMET



L-SHAPE BRACKET DIMENSIONS



Dimensional drawings to scale. Check before using.