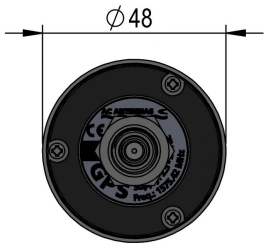
GNSS

490003-P

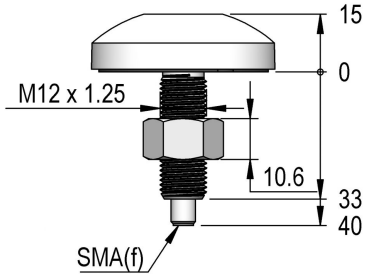
Heavy duty GNSS antenna: 5 Satelliete Systems in one antenna
A) GPS, B) Galileo, C) Glonass, D) BeiDou & E) Egnos

GNSS is a Global Navigation Satellite System for both marine and landbased solutions. GNSS covers five satellite systems in one antenna: GPS, Galileo, Glonass, BeiDou, and Egnos, all with outstanding RF specifications:
A) GPS (L1): Fc 1575.42 (+/-15: 1560-1590), VSWR:<2.0:1, 26dBd.
B) Galileo (E1): Fc 1575.42 (+/-12.276: 1563.144-1587.696), VSWR:<2.0:1, 26dBd.
C) Glonass (G1): Fc N/A (1598.0625-1605.37), VSWR:<2.0:1, 26dBd.
D) Beidou (B1): Fc 1575.42 (+/-16.368: 1559.052-1591.788), VSWR:<2.5:1, 25dBd.
E) Egnos (L1): Fc 1575.42 (+/-1.023: 1574.397-1576.443), VSWR:<2.0:1, 26dBd.
The GNSS antenna can be installed directly on the deck, it withstands walking pressure, or can be mounted on a rail mount. The antenna withstands harsh environmental conditions, both on sea and land.



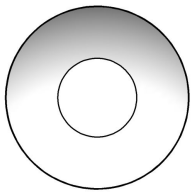
Short description

Product group	GPS
Design	Active positioning receiving antenna
Pattern	Omnidirectional



Electrical specifications

Frequency range [MHz]	A) GPS(L1), B) Galileo(E1), C) Glonass(G1), D) Beidou(B1), E) Egnos(L1)
Bandwidth [MHz]	46.318
Nominal Impedance [Ohm]	50
Supply Voltage [VDC]	2.5 - 24.0
Max. Input Power [Watt]	Receive only
Electrical/Noise Figure [dB]	0.9
Gain with Amplifier [dB]	A+B+C+E: 26 D: 25
VSWR	A+B+C+E: <2.0:1 D: <2.5:1
Polarisation	RHCP
DC Shorted	No
DC Grounded	Yes
Connector	SMA-Female



Mechanical specifications

Length [m/ft]	0.06 / 3.00
Weight [kg/lbs]	0.07 / 0.16
Survival Wind Speed [km/h / m/s / mph]	200 / 55 / 124
Material	POM, brass and stainless steel
Colour	White
Operating Temperature Range [°C/°F]	-40 to +70 / -40 to +158
Ingress Protection	IP68
Thread	M12x1.25 thread / -
Mounting	Through hole

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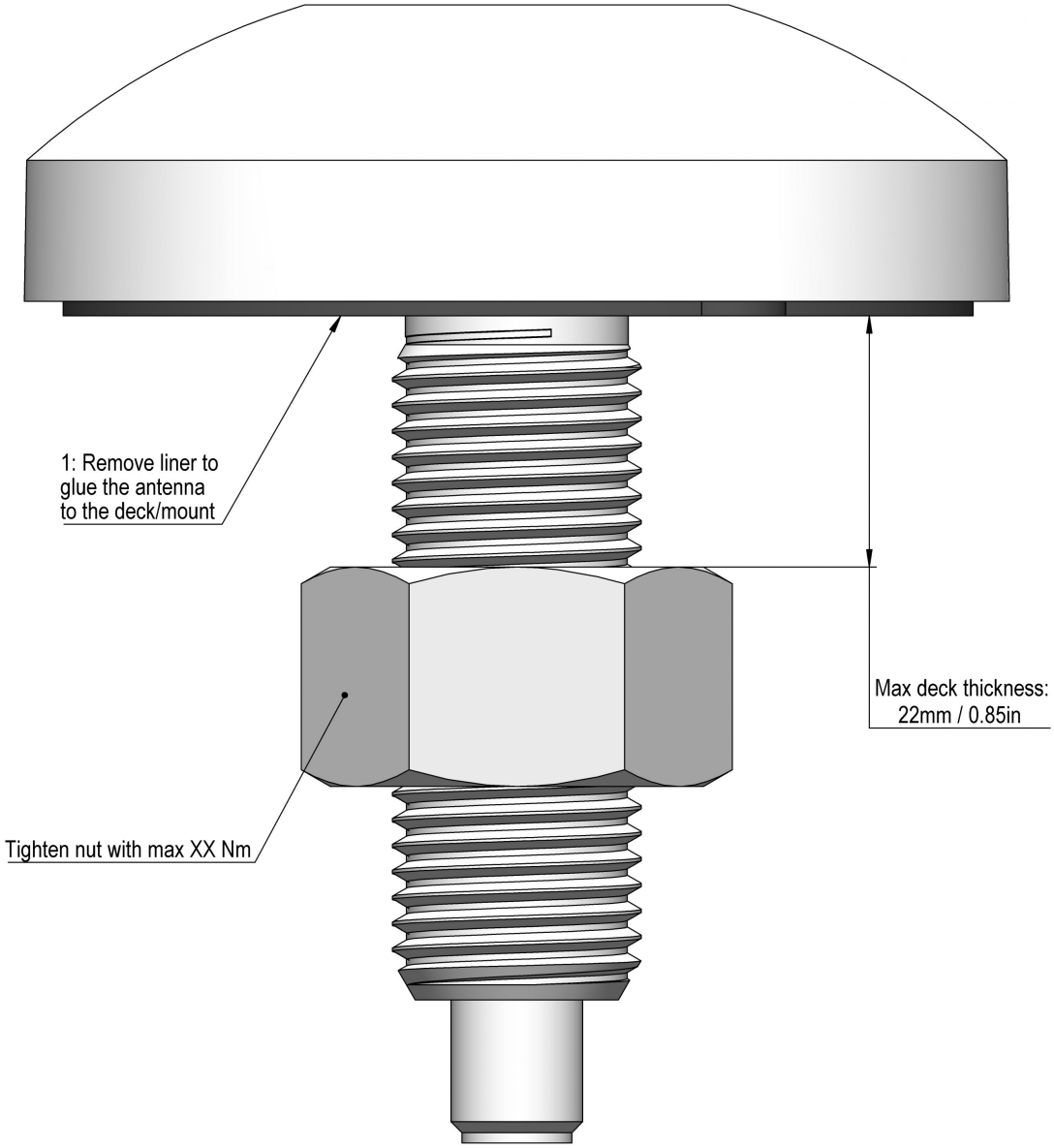

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