



● MTN Performance Mounting System
Patent Pending No. 30/008,444 - No. 63/830,104

PERFORMANCE MOUNTING SYSTEM DATA SHEET

PRODUCT DESCRIPTION

The MTN Performance Mounting System is a fiberglass mounting structure designed for the 2025 Starlink Performance Antenna. Intended for marine vessels such as yachts and cruise ships, the mount provides a secure and protective base for the antenna, holding it at a fixed 8-degree tilt to help ensure reliable operation by preventing water and debris accumulation. It features a compact, low-profile design that integrates cleanly with vessel structures and supports both direct and pedestal mounting configurations.

PRODUCT NAME :

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PRODUCT CATEGORY :

Mounts

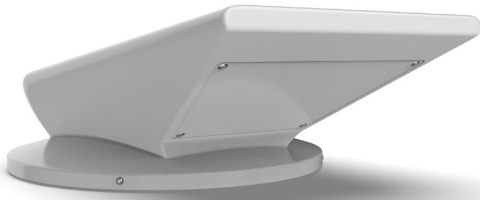
Weight (Approx.): 20 lbs (9.1 kg)

Dimensions:

- 835 mm × 600 mm × 270 mm
- 32.9 in × 23.6 in × 10.6 in

PRODUCT FEATURES

- ✓ Fixed 8-degree antenna mounting angle to prevent water pooling
- ✓ Three-piece fiberglass body with internal aluminum frame
- ✓ Powder-coated frame and marine-grade stainless hardware
- ✓ Passive air intake system for heat dissipation and water drainage
- ✓ TPR rubber vibration isolators for antenna protection
- ✓ IP68 couplers and sealed cable routing system
- ✓ Back access panel for easy serviceability
- ✓ Compatible with direct mounting or pedestal installation
- ✓ Integrated Modem, load balancer and 5G-4G/LTE antenna



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PRODUCT INFORMATION

Surface Finish: Glossy white standard;
custom colors available

Design Profile:

- Low-profile geometry to reduce wind resistance and blend with vessel aesthetics
- Curved surfaces and tapered top to streamline airflow
- External styling lines help direct water flow away from functional elements

Environmental Suitability:

- Designed for permanent marine installation
- All components selected for corrosion, UV, and vibration resistance

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SPECIFICATIONS & TECHNICAL DETAILS

Antenna Compatibility:

2025 Starlink Performance Antenna

Installation Method:

Bolted directly to the vessel or mounted on a pedestal

Materials:

- **External Housing:** 3-piece fiberglass (main cover, base, and back door), 1/6 inch thick
- **Internal Frame:** 3-piece 5052 aluminum, powder-coated for corrosion resistance
- **Hardware:** 316 stainless steel (marine-grade)

Environmental Protection and Thermal Management:

- Passive air intake gap between antenna and housing allows airflow for cooling and drains water buildup
- Integrated water channels and IP68-rated couplers ensure sealed cable entry and protection from marine exposure

Cable Management:

Internal channel routes cables from the antenna to the vessel, protected from external exposure

Access Panel:

Flush rear back door secured with screws for easy maintenance access

Additional Connectivity:

Integrated Peplink 42G antenna with 4 cellular and 2 Wi-Fi channels for redundant communication