Telescopic lightmasts

For signal and anchor lights

AMS Advanced Mechanical Solutions

The AMS Telescopic Lightmasts are designed for installation on the bow of yachts 50 meters and above, ensuring full compliance with international navigation standards. Constructed from 2, 3 or 4 carbon fibre stages, they can be completely retracted into their watertight housing, achieving a perfectly flush deck surface, ideal for helideck applications.
This product incorporates several **patented AMS technologies**, ensuring exceptional performance, reliability, and long-term durability. Among these, the **innovative freshwater cleaning system** automatically washes the outer surface of the mast, effectively preventing scratches caused by debris or contaminants.



KEY ADVANTAGES

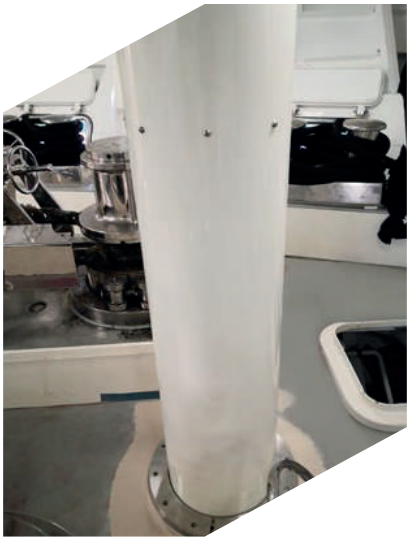
- Carbon fibre telescopic stages for superior stiffness and lightweight performance
- Flush-to-deck design when fully retracted (out-of-deck configurations available on request)
- Watertight housing, guaranteeing protection in all sea conditions
- Patented sealed electrical connection: no cable winder needed
- Patented internal stiffening system: no stays required when extended
- Patented automatic freshwater cleaning system
- Patented locking and unlocking system: it ensures the correct and safe retraction sequence of carbon fibre stages
- Fully assembled and tested: a turnkey solution ready for installation

AMS Telescopic Lightmasts integrate cutting-edge composite engineering and patented technology ensuring reliability, precision, and seamless integration with the yacht's design.

Via Sacco e Vanzetti, 7
60131 Ancona, Italy
VAT IT02421560422

www.ams-italia.it
info@ams-italia.it
+39 071 9946 104/5







Application	Yachts over 50 m LOA
Material	Prepreg epoxy carbon fibre
Weight (3 stages configuration)	- Approx. 750 kg (stainless steel housing and actuator) - Approx. 400 kg (aluminium housing and actuator)
Housing diameter	≈ 400 mm
Operating system	Hydraulic, pneumatic or electric
Control system	IP55 panel with PLC logic for local and remote operation
Power unit	Complete with manual and emergency features
Power supply	400 VAC, 50 Hz (optional 24 Vdc auxiliary for monitoring signals)
Electrical cable	Multiflex RR 20x1 through watertight box and sealed transit device
Internal anti-rotation system	Ensures perfect light alignment
Weather resistance	Designed to withstand any sea state within the yacht's limits
Navigation lights	Compatible with Cantalupi, Lopolight, or equivalent models
Light housing geometry	Fully customisable
Status signals	Mast open, mast closed, watertight box flooded
Finishing	Clear carbon glossy/matt or painted in RAL/custom colour

AMS Advanced Mechanical Solutions

Via Sacco e Vanzetti, 7
60131 Ancona, Italy
VAT IT02421560422

www.ams-italia.it
info@ams-italia.it
+39 071 9946 104/5