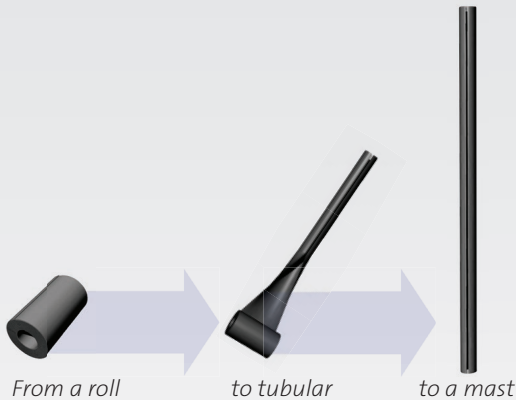


STRATUS RAPID ANTENNA

FEATURES AT A GLANCE



- Tactical antenna fully enclosed within the composite of a compact mast
- Plug and play setup / take down time of 2 minutes
- Environmentally qualified to MIL-STD-810G
- Three antenna types:
 - VHF (138 – 174 MHz)
 - UHF (406 – 470 MHz)
 - UHF (700/800 MHz)
- 2.0 dB of gain (VHF/UHF 400)
- 0 dB of gain (700/800 MHz)
- No ground plane required
- Corrosion and weather resistant

The CODAN Stratus™ Rapid Antenna is a compact, lightweight and robust rapidly deployable antenna solution. The antenna is enclosed in a mast made of composite material that transports as a flat coil then rapidly expands into a rigid mast within seconds.

ENCLOSED ANTENNA AND MAST

The patented Rolatube technology is made using thermoplastic reinforced composites. The antenna components are enclosed in the lightweight mast tube material that expands and compresses within seconds. Once expanded to the rigid mast form, guys and a guy collar are fixed and two cables connected to complete setup within 2 minutes.

COMPACT AND EASY EXPANSION

The technology enables the same material to hold a stable and rigid shape both in compression and expansion, and to incorporate no working parts as it moves from one state to the other. This is achieved through manipulating the structure of Fiber Reinforced Composite (FRC) tubes and sections so they can be rolled up, with a minimal amount of force, and once rolled, stay in a rolled state with no restraint required.

CUSTOMISABLE TACTICAL DEPLOYMENTS

The antenna is the lighter and more compact than any comparable solution, optimizing transportability for the user. Quick and simple to deploy, the antenna can be used either fully extended or partially rolled out for shorter deployment length. Compared to metal or carbon composite masts, the thermal signature of the integrated antenna/mast is minimal. The material is manufactured to be fully hazardous environment compliant, in particular to be fire resistant, with an appropriate protective sheath.

STRATUS RAPID ANTENNA

SPECIFICATIONS

GENERAL

Frequency range	VHF (138–174 MHz) UHF (406–470 MHz) UHF (700/800 MHz)
Height	3 m (expanded with cage)
Expanded tube size	2" diameter
Weight	25 lbs (estimated) 11.3 kg (estimated)
Material	Thermoplastic composite
Colour	Black
Environmental	MIL-STD-810G



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