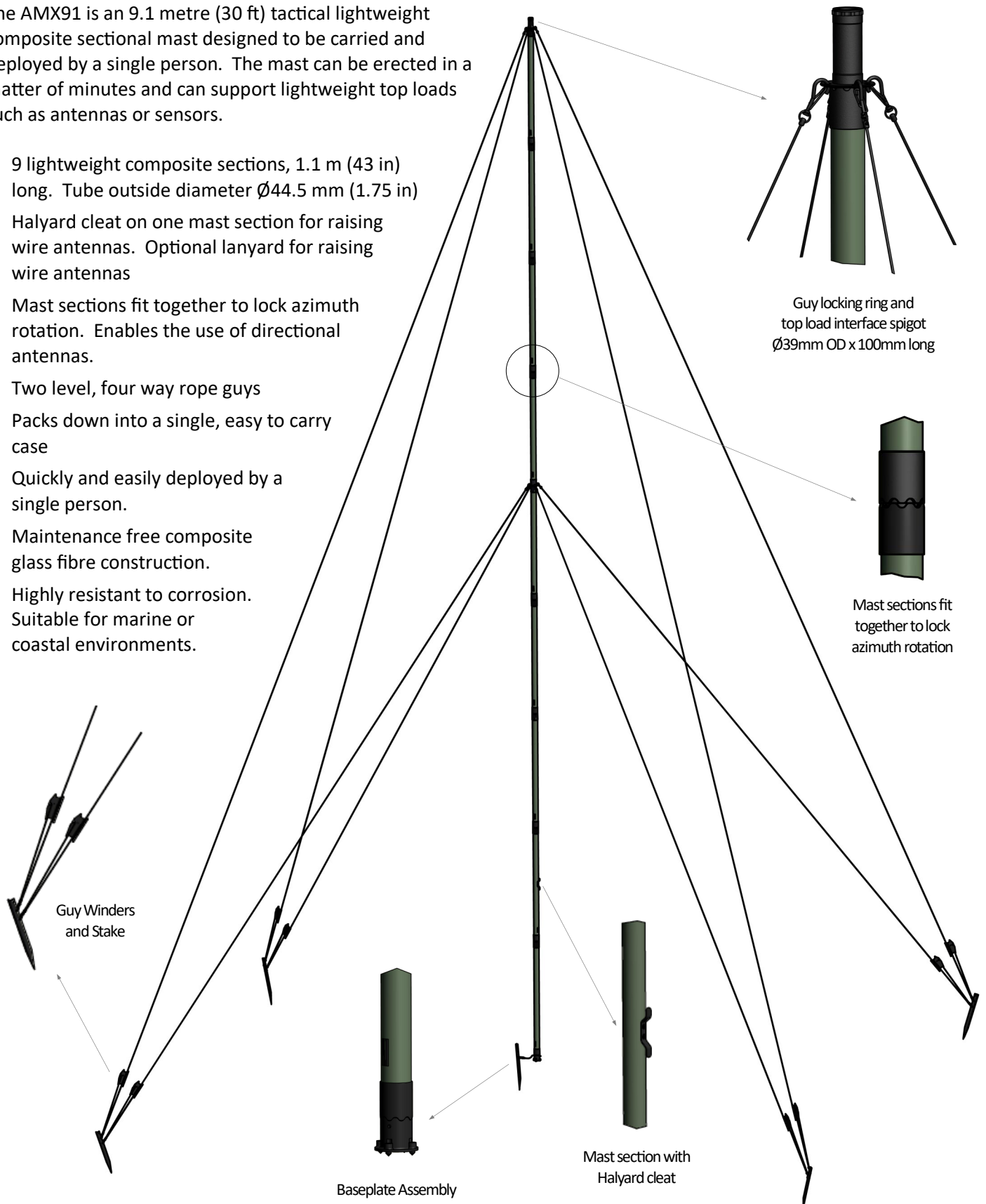


The AMX91 is an 9.1 metre (30 ft) tactical lightweight composite sectional mast designed to be carried and deployed by a single person. The mast can be erected in a matter of minutes and can support lightweight top loads such as antennas or sensors.

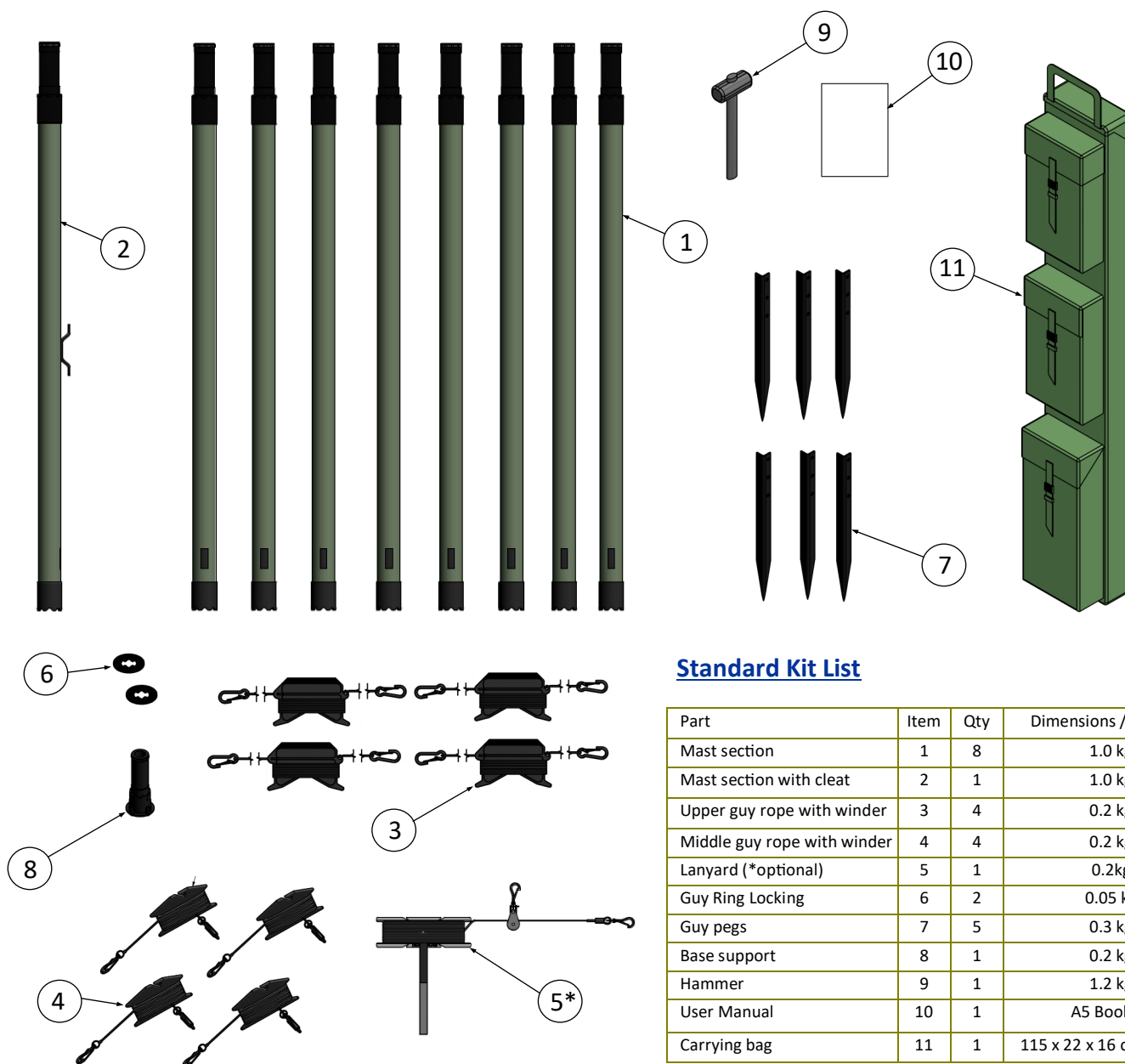
- 9 lightweight composite sections, 1.1 m (43 in) long. Tube outside diameter  $\varnothing 44.5$  mm (1.75 in)
- Halyard cleat on one mast section for raising wire antennas. Optional lanyard for raising wire antennas
- Mast sections fit together to lock azimuth rotation. Enables the use of directional antennas.
- Two level, four way rope guys
- Packs down into a single, easy to carry case
- Quickly and easily deployed by a single person.
- Maintenance free composite glass fibre construction.
- Highly resistant to corrosion. Suitable for marine or coastal environments.



## Mechanical Specification

Mast sections	Fibreglass tube outside diameter Ø44.5 mm, 1000 mm long with 100 mm aluminium spigot. Olive drab lacquer finish. 9 pcs (one with halyard cleat).
Total Kit Weight	15.6 Kg (24 lbs)
Top Interface	Ø39 mm OD spigot, 100 mm long (to fit 40 mm socket)
Guy	Top - 4 pcs, 3 mm braided rope on winder with adjustable lock and snap hooks each end. Middle - 4 pcs, 3 mm braided rope on winder with adjustable lock and snap hooks each end.
Guy pegs	6 pcs powder coated steel.
Base support	Fibreglass with spikes and peg down loop.
Top load (Max)	6.0 kg (13 lbs) *
Wind Speed (Max)	96 km/h (60 mph), including gust
Temperature range	-55 °C, +55 °C; -67 °F, +131 °F



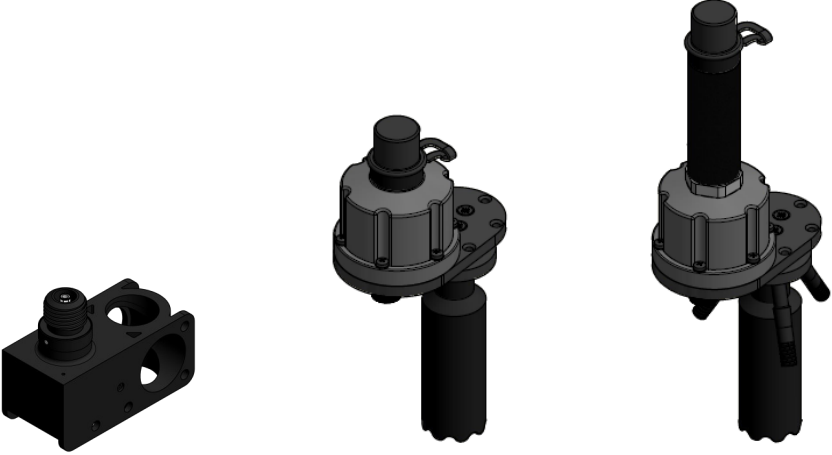
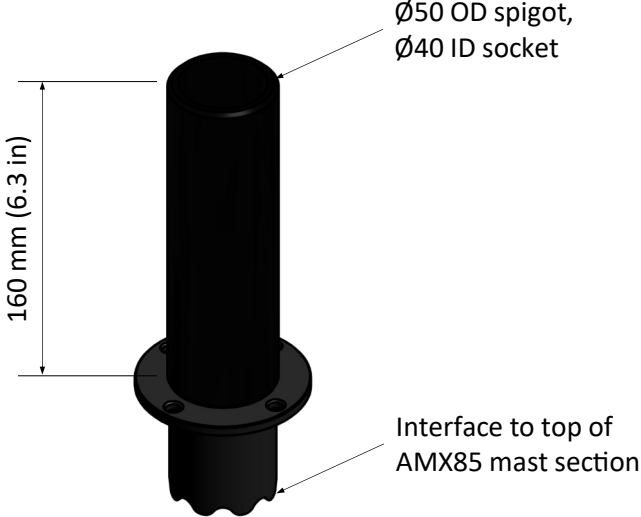
\* Subject to top load wind surface area.



### Standard Kit List

Part	Item	Qty	Dimensions / Weights
Mast section	1	8	1.0 kg
Mast section with cleat	2	1	1.0 kg
Upper guy rope with winder	3	4	0.2 kg
Middle guy rope with winder	4	4	0.2 kg
Lanyard (*optional)	5	1	0.2kg
Guy Ring Locking	6	2	0.05 kg
Guy pegs	7	5	0.3 kg
Base support	8	1	0.2 kg
Hammer	9	1	1.2 kg
User Manual	10	1	A5 Booklet
Carrying bag	11	1	115 x 22 x 16 cm / 2.2 kg

## AMX91 Mast Options

<p><b>Antenna Brackets</b></p>  <p>VM Connector</p>  <p>CEF Connector</p>	<p>Antenna brackets are available to mount Comrod monopole and dipole antennas onto the AMX91 mast. Antennas can be mounted on the top section and well as below the top load. Brackets are available to fit the standard Comrod VM or CEF type antenna interface connection. Please contact Comrod with your specific requirement.</p> 
<p><b>Adaptor - Ø50mm</b></p>	<p>Top load adaptor - Ø50mm OD (1,97 in) spigot, Ø40mm ID (1.57 in) socket</p>  <p>Ø50 OD spigot, Ø40 ID socket</p> <p>160 mm (6.3 in)</p> <p>Interface to top of AMX85 mast section</p>
<p><b>RF Cable Assemblies</b></p>	<p>Comrod can supply RF cable assemblies to suit the customer requirement. Cables can be specified by cable type and length, connector type, strain relief etc. Please contact Comrod with your specific requirement.</p>