

### OVERVIEW

- Lightweight aluminium telescopic mast
- Heights up to 18 metres (60 ft)
- Top loads up to 50kg (110 lbs) \*
- Hand cranked manual winch or optional electrically driven winch
- Mast rotation to enable azimuth top load pointing
- Manufactured from lightweight hexagonal aluminium tubes
- Easily installed by two people
- Top interface can be adapted to suit the client top load
- Suitable for elevating antennas, sensors, optronic equipment etc
- All metal parts are plated or painted aluminium or stainless steel
- Thousands of masts in-service worldwide
- Meets MIL-STD-810F environmental standard for operation in extreme conditions

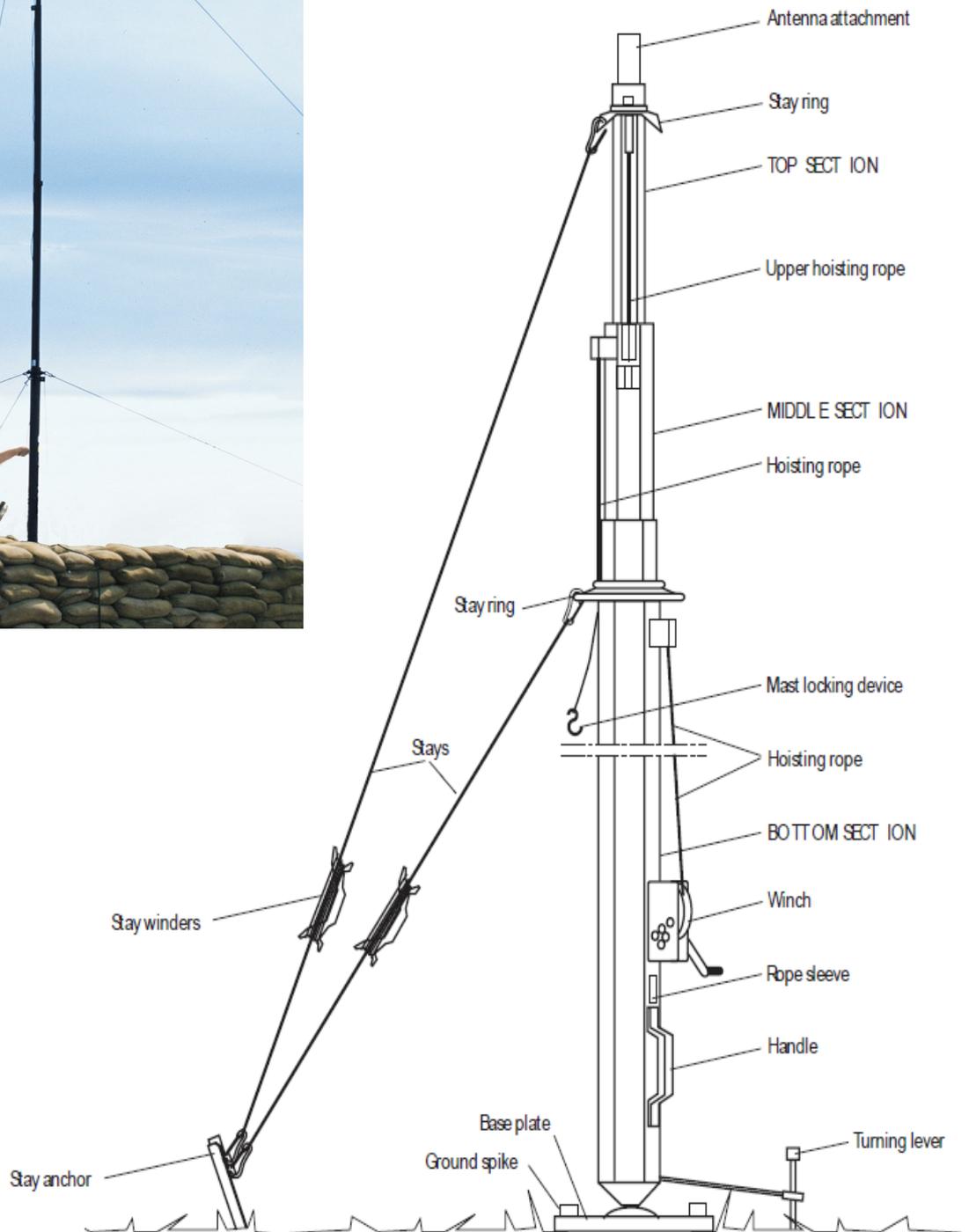
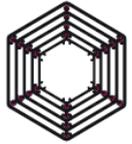


MAST TYPE	TM 100/10-2.4	TM 128/9-2.8	TM 128/10-3.1	TM 128/14.2-3.3	TM 128/15-2.9 HCLOS	TM 128/18-3.7	TM 128/18-4.2
NSN	-	5985-01-247-9114	-	5985-25-126-9148	5985-01-465-2883	-	-
AB Number	-	AB1342/G	-	AB177 N	AB1339 A/G	-	-
Elevated Height	10m (33ft)	9m (30ft)	10m (33ft)	14.2m (46ft)	15m (50ft)	18m (59ft)	18m (59ft)
Retracted Height	2.4m (8ft)	2.8m (9ft)	3.1m (10ft)	3.3m (11ft)	2.9m (9.5ft)	3.7m (12ft)	4.2m (14ft)
Max. Headload Area *	0.16m <sup>2</sup> (1.75ft <sup>2</sup> )	0.6m <sup>2</sup> (6.5ft <sup>2</sup> )	1.25m <sup>2</sup> (13.5ft <sup>2</sup> )	1.0m <sup>2</sup> (11ft <sup>2</sup> )	0.69m <sup>2</sup> (7.5ft <sup>2</sup> )	0.8m <sup>2</sup> (8.5ft <sup>2</sup> )	1.0m <sup>2</sup> (11ft <sup>2</sup> )
Number of Sections	5	4	4	5	6	6	5
Number of Stays / Levels	3 x 2	4 x 2	4 x 3	4 x 3	4 x 3	4 x 3	4 x 3
Stay Radius	5.5m (18ft)	8m (26ft)	8m (26ft)	10m and 8m (33ft and 26ft)	13m and 8m (43ft and 26ft)	10m and 8m (33ft and 26ft)	10m and 8m (33ft and 26ft)
Maximum Wind Speed	36m/s (80mph)	42m/s (95mph)	35.6m/s (80mph)	30m/s (67mph)	35.6m/s (80mph)	30m/s (67mph)	33m/s (74mph)
Max Headload *	12kg (26lbs)	30kg (66lbs)	50kg	50kg	20kg	25kg	35kg
Headload Attachment	Ø50 x 75	Ø50 x 75	Ø50 x 75	Ø50 x 75	Ø50 x 75	Ø50 x 75	Ø50 x 75
Mast Weight	19kg (42lbs)	36kg (79lbs)	45kg (99lbs)	49kg (108lbs)	50kg (110lbs)	62kg (136lbs)	59kg (130lbs)
Accessories Weight	19kg (42lbs)	33kg (73lbs)	45kg (99lbs)	38kg (84lbs)	40kg (88lbs)	45kg (99lbs)	42kg (92lbs)

\* Typical values shown. Actual values will be subject to a combination of top load weight, top load area and pointing accuracy required.



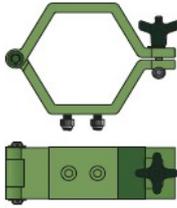
The hexagonal sections move inside each other on plastic guideways which provide the masts with excellent stability and torsional resistance.



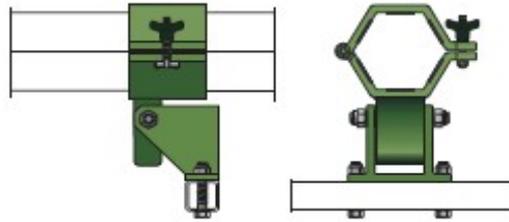
## OPTIONS

### Vehicle and Shelter Mounting Brackets

Comrod has a wide range of brackets for mounting lightweight series aluminium masts onto vehicles, shelters and buildings. Please contact Comrod to discuss your specific requirement.



Fixed brackets



Hinged brackets



### Top Load Accessories and Ancillaries

Comrod has a wide range of top load accessories to compliment the lightweight series aluminium masts. Accessories are available such as antennas directioners, rotators, tilters, dual rotator/tilters, extension tubes. Please contact Comrod to discuss your specific requirement.



Directioners



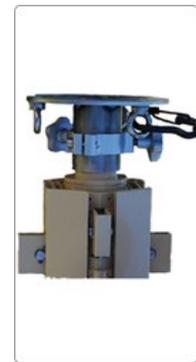
Tilters



Rotators



Mounting Bars



Headload  
Adaptors