



RolaTube 10m 4" Single Mast

RolaCage System

MAST DESCRIPTION

Length	10m x 4" diameter (10m deployed length from cage, 10.6m in total)
Nominal Tube Diameter (Inner)	4" (101.2mm)
Nominal Tube Arc	355°
Composite Wall Thickness	2.1mm ¹
Rolled Width	325mm ¹
Typical Rolled Outer Diameter	215mm
Typical Rolled Inner Diameter	122mm
Mast/RolaCage Weight	18.45kg (without ancils)
Mast/RolaCage Volume	420 x 275 x 285mm
Maximum Top Load ²	12kg
Maximum Deployed Wind speed ³	60mph
Environmental	Complies with relevant sections of MILSTD 810G

Note 1 – Average figures subject to normal manufacturing tolerances.

Note 2 – Top load must not be exceeded. Deployment and recovery must be undertaken with the tension in all 3 Top Cap Guy Ropes being managed, to ensure that the top load does not move off centre and create bending load on the mast while top load is being elevated. This can only be achieved through 5 man operation during deployment and recovery.

Note 3 – Maximum wind loading is based on the bare mast correctly deployed and with Guy Pegs firmly positioned. End user or system integrator must take responsibility for deployment and ensuring that the final system is fit for purpose with regard to wind loadings once top load or other equipment is mounted.



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COMPONENT	ROLATUBE PART NUMBER	MATERIAL	WEIGHT	QTY
10m Mast	851-410000	Glass Fibre Reinforced, Polymer Composite	9.65kg	1
RolaCage	800-007112	Aluminium Panels, Aluminium Bars, Stainless Steel Bolts	9.125kg	1
Top Cap	800-004104	Aluminium, Stainless Steel Screws, Stainless Steel Drop Nose Pin	1.12kg	1
Set of 3 14.5m Top Cap Guys	207-004123	Polyester Braided Cord, Stainless Steel Snap Hook, HDPE guy tidy	0.92kg	1
Slot Locker Cuff	800-000127	PA6, Stainless Steel, Anodized Aluminum	0.43kg Each = 1.29kg	3
Set of 3 10m Triangulated Guys	207-004120	Polyester Braided Cord, Stainless Steel Ring, Stainless Steel Snap Hook, HDPE guy tidy	0.9kg	1
Steel Rock Pegs	207-002002	Zinc Plated Mild Steel, Nylon head	0.8kg	10
Soft Ground Pegs	207-002005	Nylon	0.3kg	6
Medium Bag	502-003050	Nylon / water resistant	0.6kg	1
Total Weight:			25kg	

Shelf Life:

10 years in controlled dry environments between -15°C and 85°C

Temperature Range:

Operations -30°C to 60°C (-22°F to +140°F)

Storage -30°C to 70°C (-22°F to +158°F)

The system is rated to the loads stated and the end user is responsible for ensuring that user guides are followed and that loads are secured to the mast in a fashion that is safe and does not compromise the mast itself. RolaTube Expeditionary Systems does not accept liability or provide any warranty for usage not covered in this document.