

8m 4" Single Mast / RolaCage System Datasheet

8m 4" Mast RolaCage System Black

Full System Part No.

956-408000-3-1

Total Weight approx

16.5kg



Tube Description

Length	8m x 4" diameter (8m deployed length from cage, 8.6m in total)
Nominal Tube Diameter (Inner)	4" (101.2mm)
Nominal Tube Arc	359°
Composite Wall Thickness	2.1mm ¹
Rolled Width	325mm ¹
Typical Rolled Outer Diameter	205mm
Typical Rolled Inner Diameter	122mm
Transition Length	1400mm ¹
EI Value Intrados	5430Nm ²
EI Value Extrados	9632Nm ²
Tube Weight	0.93kg/m
Mast/RolaCage Weight	12kg
Mast/RolaCage Volume	275 x 430 x 275mm
Maximum Top Load ²	5kg
Maximum Deployed Wind speed ³	60mph
Environmental	Tested against Mil Spec 810G and data available on request

Note 1 – Average figures and subject to normal manufacturing tolerances.

Note 2 – Top load must not be exceeded. Deployment & 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 4 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.

8m 4" Single Mast / RolaCage System Product Components

Component	RolaTube Part Number	Material	Weight	Qty
8m Mast	951-408000	Glass Fibre Reinforced Polyolefin, Polymer Composite	7.926kg	1
RolaCage	800-007108	HDPE Plastic, Aluminium Bars, Mild Steel Bolts	3.966kg	1
Top Cap inc Pin	800-004104	Acetal, Stainless Steel Screws	658g	1
Top Guy inc Tidy Set of 3	207-004119	Polyester Braided Cord, Stainless Steel Snap Hook, HDPE Winder	852g	1
Secondary Cuff	800-005107	Acetal, Flexible Loop (Perlon Cord)	322g	2
Secondary Cuff Guy inc Tidy Set of 3	207-004118	Polyester Braided Cord, Stainless Steel Ring, Stainless Steel Snap Hook	900g	1
Steel Rock Pegs	207-002002	Zinc Plated Mild Steel, Nylon	80g	10
Soft Ground Pegs	207-002005	Nylon	40g	6
Medium Bag	502-003044	Cordura	500g	1

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.