

Data Sheet

System 100: 10m Mast / Rolacage

For top loads up to 12kg (26.4lb)



Mast Description

Length	10m (32.8') (10m deployed length from Rolacage, 10.6m (34.8') in total)
Nominal Tube Diameter (Inner)	101mm (4")
Nominal Tube Arc	355°
Composite Wall Thickness	2.1mm (0.08") ¹
Rolled Width	325mm (12.7") ¹
Typical Rolled Outer Diameter	205mm (8")
Typical Rolled Inner Diameter	122mm (4.8")
Mast/Rolacage Weight	17.14kg (37.8lb) (without ancils)
Mast/Rolacage Volume	285mm x 423mm x 253mm (11.2" x 16.65" x 9.96")
Packed Ancillaries Volume	250mm x 320mm x 260mm (9.8" x 12.5" x 10.2")
System Weight*	23.7kg (52.2lb)
Maximum Top Load ²	12kg (26.4lb)
Maximum Deployed Wind speed ³	100kph (62mph)
Environmental	Complies with relevant sections of MIL-STD-810G

* Without pegs

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 rock 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.

System 100 10m Mast/rolacage Black System Components

System	RolaTube Part Number	NSN
System 100 10m Mast/rolacage Black	956-410002-3-1	5985-99-183-3519

Component	RolaTube Part Number	NSN	Qty
10.6m 101mm (34.8' 4") mast (black) in Rolacage	901-410002	NSN Pending	1
101mm (4") top cap	800-004104	5340-99-476-7799	1
Set of 3 x 14.5m (47.6') Guy ropes (red tag)	207-004123	4010-99-217-4531	1
Slot Locker Cuff	800-000129	5985-99-343-2412	3
Set of 3 x 10m (32.8') Triangulated guy ropes	207-004120	4010-99-258-5281	1
Set of 6 Mast Straps	800-005120	5985-99-905-0970	1
Steel Ground Stake 30cm black	207-002004	4030-99-157-2404	8
Soft Ground Peg	207-002005	4030-99-155-8599	6
Bag for Ancils, Black	502-003061	8105-99-616-0381	1
Deployment Brace	800-500019	NSN Pending	1

Optional Extras

Component	Rolatube Part Number	NSN
Central Guy Control (CGC) for System 100 8m (26.2') and 10m (32.8') masts	207-300010	5985-99-695-4733

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RTL Materials Ltd trading as RolaTube Technology
130 Wellworthy Road, Ampress Park
Lymington SO41 8JY, UK

t: +44 (0)1590 688019
e: enquiries@rolatube.com
www.rolatube.com

Registered in England & Wales
No. 3332020
VAT Reg 706 972 317

