

2" Tripod System User Guide

1, 2 & 3m 2" Diameter Tripod Systems

- For use with 3" and 4" diameter masts or stand-alone
- Lightweight
- Compact
- Versatile



Components Overview

Item	Description
1	3 x RolaTubes
2	Tripod Head Mount with Leg Locking Screw and Spigot Locking Screw
3	Rock Pegs x 3
4	Bag
5	Leg Ties (adjustable)
6	Central Pull Down Tie
7	Feet
8	Single Tripod Adaptor (optional)
9	Double Tripod Adaptor (optional)



Deployment Instructions

1. Release leg locking screw and position tripod head unit on the ground



2. Unroll tubes and lay on the ground with join face down as shown



3. Slide tubes into the head unit



4. Attach the feet



5. Attach the leg ties to the feet



6. Attach the required kit or the optional adaptor correctly and securely to the head unit and walk the tripod up under control



7. Adjust the leg ties between the feet to ensure the system is correctly braced and level



8. If additional wind stability required, connect all 3 pull down cord clips to the underside of the head and tie to ground anchor or the weighted bag. **Do not** exceed 2kg of download force.



9. Peg down the feet using the rock pegs or (if on concrete) place sandbags over the feet



10. Tighten leg locking screw only until tripod head unit firm. **Do not** over tighten.



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Deployment Instructions With Mast

1. Insert the Tripod Adaptor (3" single/ double or 4") into the head unit.



2. Elevate the mast to the correct height



3. Once at the correct height close the jaws of the adaptor around the mast
4. Secure the clamp to the mast



Product Components

Tripod System 1m 2" Black / 953-201000-3-1 Orange / 953-201000-5-1

Product code	Description	NATO Stock Number	Quantity
900-201000-3-0	1m 2" Mast Black		3
900-201000-5-0	1m 2" Mast Orange		3
207-000090	Tripod central pull down tie assy 1m system	5985-99-555-2616	1
207-000089	Tripod feet ties assy for 1m system x 3	5985-99-985-0909	1
207-002001	Rock Pegs	4030-99-160-7145	3
209-000003	Manual for 1m and 2m tripod system	7610-99-742-6759	1
502-003050	Medium black bag	5985-99-508-3269	1
800-000007	Tripod head unit assy	5985-99-958-9830	1
800-000009	Tripod foot assy	5985-99-382-2423	3

Total packed weight: 4kg

Dimensions: 28 x 33 x 25cm

Tripod System 2m 2" Black / 953-202000-3-1 Orange / 953-202000-5-1

Product code	Description	NATO Stock Number	Quantity
900-202000-3-0	2m 2" Mast Black		3
900-202000-5-0	2m 2" Mast Orange		3
207-000080	Tripod central pull down tie assy 2/3m	5985-99-512-2412	1
207-000082	Tripod feet ties assy for 2m system x 3	5985-99-841-3885	1
207-002001	Rock Pegs	4030-99-160-7145	3
209-000003	Manual for 1m and 2m tripod system	7610-99-742-6759	1
502-003050	Medium black bag	5985-99-508-3269	1
800-000007	Tripod head unit assy	5985-99-958-9830	1
800-000009	Tripod foot assy	5985-99-382-2423	3

Total packed weight: 5.3kg

Dimensions: 28 x 33 x 25cm

Tripod System 3m 2" Black / 953-203000-3-1 Orange / 953-203000-5-1

Product code	Description	NATO Stock Number	Quantity
900-203000-3-0	3m 2" Mast Black		3
900-203000-5-0	3m 2" Mast Orange		3
207-000080	Tripod central pull down tie assy 2/3m	5985-99-512-2412	1
207-000082	Tripod feet ties assy for 2m system x 3	5985-99-841-3885	1
207-002001	Rock Pegs	4030-99-160-7145	3
209-000003	Manual for 1m and 2m tripod system	7610-99-742-6759	1
502-003050	Medium black bag	5985-99-508-3269	1
800-000007	Tripod head unit assy	5985-99-958-9830	1
800-000009	Tripod foot assy	5985-99-382-2423	3

Total packed weight: 6kg

Dimensions: 28 x 33 x 25cm

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Product Components Continued

Mast System	RolaTube Part Number	NATO Stock Number
3m 3" Single Mast/2m Tripod/Adaptor Black	957-201003-3-1	
3m 3" Single Mast/2m Tripod/Adaptor Orange	957-201003-5-1	
4m 3" Single Mast/2m Tripod/Adaptor Black	957-201004-3-1	
4m 3" Single Mast/2m Tripod/Adaptor Orange	957-201004-5-1	
5m 3" Single Mast/2m Tripod/Adaptor Black	957-201005-3-1	
5m 3" Single Mast/2m Tripod/Adaptor Orange	957-201005-5-1	
7m 3" Single Mast/2m Tripod/Adaptor Black	957-201007-3-1	
7m 3" Single Mast/2m Tripod/Adaptor Orange	957-201007-5-1	
3m 3" Double Mast/2m Tripod/Adaptor Black	957-201033-3-1	
3m 3" Double Mast/2m Tripod/Adaptor Orange	957-201033-5-1	
4m 3" Double Mast/2m Tripod/Adaptor Black	957-201044-3-1	
4m 3" Double Mast/2m Tripod/Adaptor Orange	957-201044-5-1	
5m 3" Double Mast/2m Tripod/Adaptor Black	957-201055-3-1	
5m 3" Double Mast/2m Tripod/Adaptor Orange	957-201055-5-1	

Optional Accessories	RolaTube Part Number	NATO Stock Number
Adaptor for 3" Single Masts Required as an additional item to secure a single mast to the tripod	800-000008	5985-99-841-3889
Adaptor for 3" Double Masts Required as an additional item to secure a double mast to the tripod	800-000012	
Adaptor for 4" Masts Required as an additional item to secure a double mast to the tripod	800-000037	
Spigot / Antenna Adaptor	207-000035	5985-99-976-9292
Antenna Side Mount (Radwin)	800-000044	
Antenna Mount (Aruba)	800-000106	
Antenna Mount (Cambium)	800-000032	
Antenna Mount (Cisco)	800-000034	
Twin Antenna T Bar Mount	800-000036	

Please note that ALL optional accessories can only be used with a mast / tripod system.

Application Examples

Examples of Tripod Systems and Mast/Tripod Combination Systems



2" Tripod System Top Loads & Wind Speeds

System	RolaTube Part Number	Max Top Load (kg)	Max Wind Speed (mph)
Tripod System 1m 2" Black	953-201000-3-1	30	60
Tripod System 1m 2" Orange	953-201000-5-1	30	60
Tripod System 2m 2" Black	953-202000-3-1	20	60
Tripod System 2m 2" Orange	953-202000-5-1	20	60
Tripod System 3m 2" Black	953-203000-3-1	10	60
Tripod System 3m 2" Orange	953-203000-5-1	10	60

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.

Suitable for systems with directional antennas or cameras

Safety Instructions

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 Technology does not accept liability or provide any warranty for usage not covered in this document.

- 1.1** Before unrolling a mast ensure that the area is clear of people and objects.
- 1.2** RolaTube masts are made from damage tolerant materials and will withstand significant abuse. However, they can be damaged by heavy &/or sharp objects. To prevent damage, items should not be placed on top of stored RolaTube masts, in either reeled or unreeled states.
- 1.3** Once the RolaTube mast has been unrolled ensure the surface is free from visible damage. **Do not** use the mast if there is visible damage.
- 1.4** If damage does occur, masts should be replaced as soon as possible, since the load carrying capacity can be reduced.

- 1.5** Good ground stake/peg grip is fundamental for safe deployment of any guyed mast system.

RolaTube provides ground stakes with our systems for general use. Because of the wide range of environments in which our products can be deployed, these standard ground stakes/pegs may not be suitable for all deployments.

The end user must assess the suitability of the standard RolaTube ground stakes for their intended deployment environment, and replace them with a more suitable design if the RolaTube supplied items are deemed to be not fit for purpose.

Products have been designed and tested to be compliant with the relevant aspects of MIL-STD-810G

The RolaTube systems are designed to be used in up to 60mph (100kph) winds. This maximum recommended wind rating is based on the bare mast correctly deployed and with guy pegs firmly positioned. The end user or system integrator must take responsibility for safe deployment and ensuring that the final system is fit for purpose with regard to wind loadings, once top load or other equipment is mounted onto the mast.

WARNINGS

- 1. Electric shock.** Make sure that the proposed deployment site for the mast is free of overhead wires, which must be considered as dangerous electrical shock hazards. Make sure that no overhead wires are present within 50 metres of the mast.
- 2. Mast deployment.** During mast deployment, minimise the risk of injury by taking the following precautions:
 - 2.1** Do not deploy the mast near power lines or in thunderstorms.
 - 2.2** Do not overload the mast top. Make sure only approved system components are fitted.
 - 2.3** Do not allow the mast to bend.
 - 2.4** Make sure the ground is clear of underground hazards prior to guy peg insertion.
 - 2.5** Use the guy ropes provided and make sure that the guy ropes are tensioned correctly and ground pegs deployed and secure.
- 2.6** Consideration must be given to the routing of the coax between the mast and equipment in addition to the guy rope placement so as not to cause a trip hazard.
- 2.7** If the mast is leant against a wall, the guy ropes must be in line and placed at the base of the wall to prevent the mast from toppling backwards.
- 2.8** Consideration must be given to deployment when in close proximity to a helicopter landing site. Notice and recording of the mast site shall be issued to the temporary site / location commander to ensure that planning considerations for aircraft approach and downwash effects are acknowledged and catered for.
- 2.9** Only use the mast in the vertical axis.
- 3 Wind.** Ensure that the spine of the mast is oriented to face into wind, make sure the guys are securely pegged down, ensure the system is used within windspeed advice / parameters.

Disclaimer: The technical and operational information contained within this document relates only to the specific product referred to in this document and may not be applicable when such product is not used in accordance with such operational instructions. The Company reserves the right to change technical and operational information from time to time. A copy of the latest version is available on the Company's website: www.rolatube.com

A copy of the Company's terms and conditions of business are also included on the Company's website.

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