

Free Standing Portique Aerial Rig

UPSWING

Information Pack

This document contains information for clients wishing to use our freestanding aerial rig. It describes what the rig is capable of, method statements for get in and get out, safety requirements, dimensions and load limits.

For further information contact:

Overview

The aerial rig is a tubular steel structure manufactured in the EU and complies with all necessary UK and EU safety regulations.

The rig arrives in sections and is assembled on-site. It is entirely self-supported so does not require any additional weights only a firm level surface.

The rig is available for hire for the use of professional aerialists. Hire includes a rigger to manage install and removal of the rig. To discuss your particular needs please email info@upswing.org.uk

Specifications

The rigging bar is 3.6m wide and has four aerial mounting points, though as long as load-bearing capacity is not exceeded aerialists are able to rig their equipment using strops over the rigging bar.

The rig can support two adult performers on 'static' aerial equipment or one performer swinging up to 45 degrees.

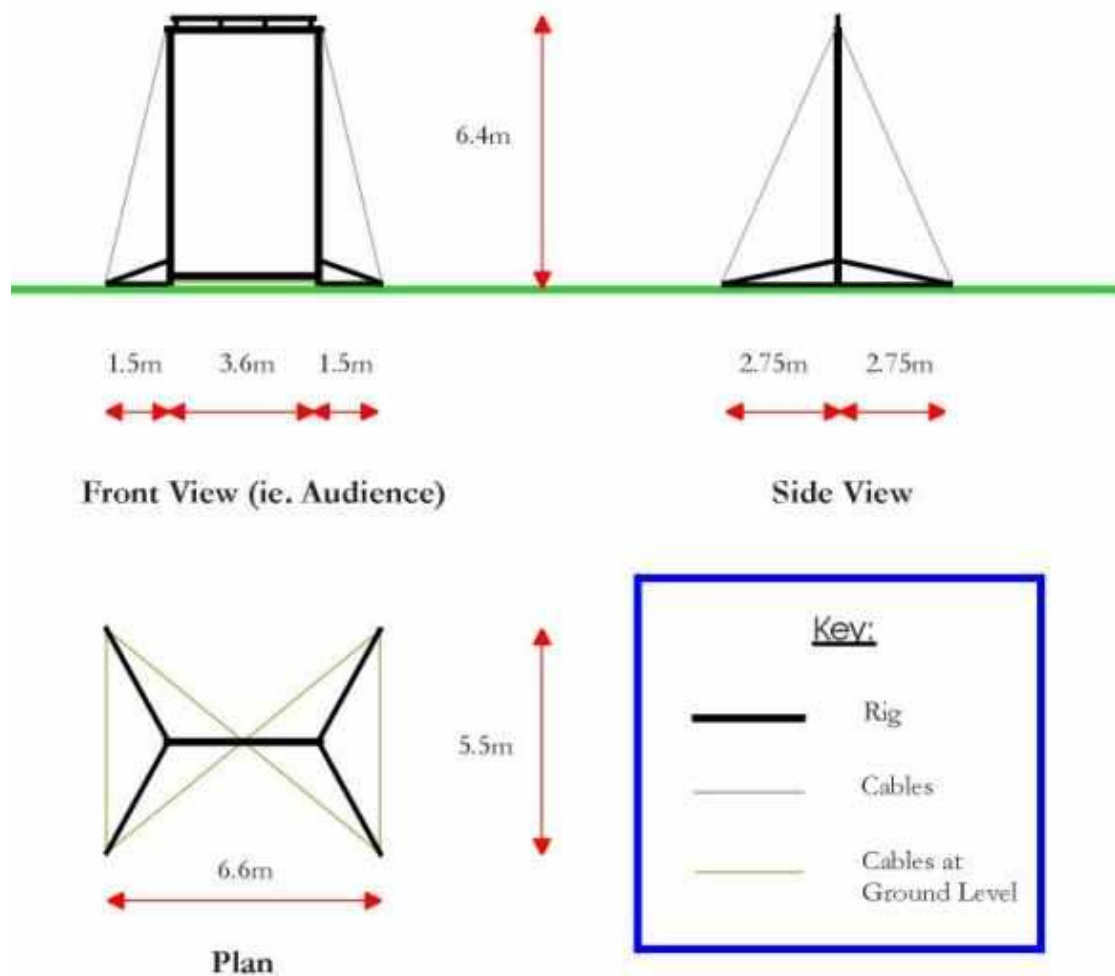
The rig can be set to two height options; 6.5m and 5.5m. Except where stated all information is equally applicable to both.

Once erected the rig will stand in a space 6m deep x 7m wide x 7m height. To construct the rig a minimum exclusion zone of 8m wide x 11m deep is required.

Net weight of rig – 140kg/128kg (5.5m height option)

Max floor loading (excluding performers) – 35kg/cm² or 33kg/cm² (5.5m height option)

The rig is a symmetrical structure and has no front or back. The diagram below gives a 'Front view' and a 'side view' as well as 'plan view'.



The base and rigging frame are assembled at ground level prior to attaching rigging equipment. We recommend aerial equipment is hung at this point before the rig is lifted. The frame is swung up into position, secured and the final checks and adjustments are made. If aerial equipment is not available at the point of lifting a climbing line can be provided (on request) to allow access to the rigging bar later.

Note: The cables at ground level run approximately 100mm above the ground and can present a trip hazard to the unwary. The largest section of the rig is 3.8m, whilst this is not a problem in the majority of cases it may prevent access in certain venues.

Ideal Requirements

- Ground:** Must be firm, flat and level.
- Barrier:** Hirer may need to provide a barrier or stewarding to prevent public access to rigging area, depending on situation.
- Stewards:** For health and safety reasons a steward may be required to keep

works area clear.

Get in Time: 1½ hours

Get out Time: 1 hour

Vehicle Access: For large estate car or van for unloading and loading, nearby parking.

Additional Info: The event organisers will need to provide 2 crew persons for 15 minutes to assist with the erection of this Rig at a pre-agreed time. Because the rig is swung upwards into place please ensure the exclusion zone is free from aerial obstacles.

If you have particular concerns that cannot be dealt with via phone or email we would advise a site visit to assess what is and isn't possible.

Health and Safety

Upswing's rigger is responsible for the mechanical safety of the structure however the hirer is responsible for ensuring the suitability and maintenance of the equipment they hang on the structure. The aerialist using the rig must satisfy themselves that they are rigged safely.

Unless otherwise agreed in advance, once erected the hirer is responsible for the physical security of the rig and ensuring members of the public do not gain access to it. If the rig is left overnight suitable security arrangements will need to be in place.

Disclaimer:

Information relating to the mechanical and structural characteristics of the rig are taken from the technical documentation supplied by the manufacturer at the time the rig was purchased. The author of the document cannot be held responsible for accuracy. Documents supplied by Unicycle can be provided for inspection if requested.

Scope (corporate/site specific)	Aerial Rig
Subject	Ground Supported Truss Structure for aerial dance performance.
Policy/Procedure Reference	AerialFrameRA
Date of Assessment	1-06-2015
Assessor and Position	Vicki Amedume – Upswing Artistic Director

Hazard(s) Fall from height. Lifting heavy equipment. Truss Structure not correctly assembled. Unauthorised persons climbing structure. Being struck by a piece of dropped rigging equipment	Hazard Effect(s) Possible injury requiring hospitalisation Injury treatable on site.
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Risk Rating: Consequence (4) x Likelihood (2) = (8) Description (LOW)	
Who may be harmed? Rigger/Performer Members of the public	Who is most at risk? Rigger

Controls	Implementation	Date	Init
<ul style="list-style-type: none"> • Aerial rig components owned by Upswing and are from a known source • Rig inspected before each erection. • No persons too climb structure unless agreed with Upswing. • Method Statement written prior to rigging. • No access to area while structure is being lifted. • No equipment in excess of 25kg to be lifted. • Rig stabilised during lift. • Safety harness to be worn at all times when rigging at height • Rigging of equipment on truss to be done in pairs with one being a ground safety person, ensuring that no one walks beneath the point of rigging. Most rigging will be installed whilst rig still on the ground. • 	<ul style="list-style-type: none"> • Rig inspected prior to lifting. All bolts etc. • Area cordoned off while rigging. • Crew will work in pairs to load/unload equipment. • Rig lifted by at least three people • Rig will be supervised/marshaled during the event and overnight if rig left standing 		
<p>Sources of Information</p> <ul style="list-style-type: none"> • ABTT Lifting Fundamentals • IRATA (Industrial Rope Access Trade Association) • WAH 2005 (Work at Height Regulations) • LOLER 1998 (Lifting Operations & Lifting Equipment Regulations) • PUWER 1998 (Provisional Use of Work Equipment Regulations) • RICSAT (Rigging in Circus Standards & Training) 			

The equipment is designed and manufactured in France for the purposes of aerial performance. The structure connects with all relevant EU engineering and safety standards.

UPSWING Risk Assessment Record

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Monitoring and Measuring Truss inspected post erection.	Reason(s) for Review Change of rigging, or venue. Expected Review Date: N/A
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Definitions		
Consequence:	Likelihood:	Risk Rating
1 Property Damage	1 Very unlikely to ever happen	
2 Incident leading to slight shock	2 Remote possibility	1-8 Low Risk
3 Injury treatable on site	3 Possible	9-16 Medium Risk
4 Injury requiring hospitalisation	4 Likely	16+ High Risk
5 Death	5 Regular occurrence	