UPSWING

FREE STANDING QUAD AERIAL RIG

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:
info@upswing.org.uk

Overview

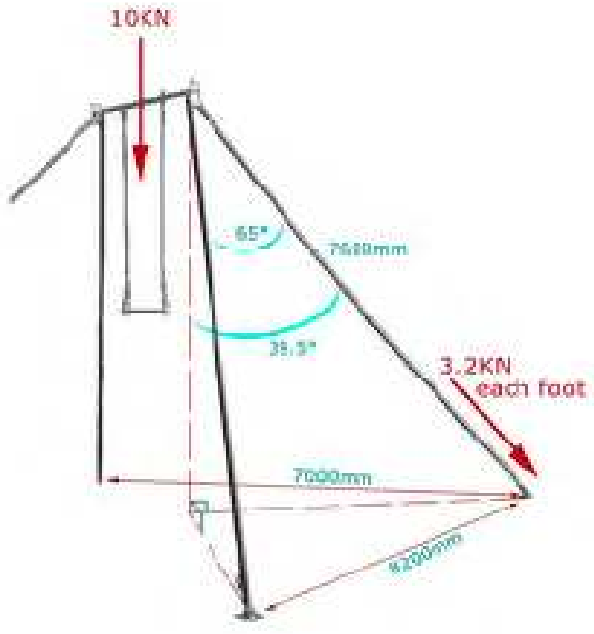
The aerial rig is a tubular aluminium pyramidal rig with a central rigging bar. It is manufactured in the US and complies with all necessary UK safety regulations.

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 comes with footpads with rubber soles for concrete or wood floors.

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 rig has three height options 5.65m, 4.3m or 3.10m with a central rigging bar rated to 10kn. Rig is suitable for single/double point trapeze, silks, corde lisse and can accommodate a single 'dynamic' performer (approx 75kg) or paired 'static' performers (approx 150kg). The total load rating of the rig is 10kN.



Net weight of rig – 99kg (full height)
Max floor loading (excluding performers) – 40kg per leg
Length of crane bar is 1.5m

Height 1: 5.65m/18.5ft Footprint 7.00 x 8m/ 23 x 26ft

Height 2: 4.3m/14ft Footprint 5.5 x 6.40m/ 18 x 21ft

Height 3: 3.10m/10..3ft Footprint 4.5 x 4.5m/ 14.9ft x 15

Get in and Get out

This area must be secured with barriers or stewards for the rig to be raised. The rig requires a min of 3 people to assemble and raise. We recommend aerial equipment is hung on the crane bar at this point before the rig is lifted. 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.

It is worth noting the largest section of the rig is 2.10meters whilst this is not a problem in the majority of cases it may prevent access in certain venues. An additional clearance of 50cm above the stated height of the rig is required to raise it to it's full height as the rig must be lifted to insert the next set of legs.

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: 1hours

Get out Time: 40mins

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.

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 equipment is designed and manufactured in the US for the purposes of aerial performance.

Scope (corporate/site specific)	Aerial Rig
Subject	Ground Supported Truss Structure for aerial dance performance.
Policy/Procedure Reference	AerialFrameRA
Date of Assessment	1-06-2014
Assessor and Position	Vicki Amedume – Upswing Artistic Director

Hazard(s)	**Hazard Effect(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	Possible injury requiring hospitalisation Injury treatable on site.

Risk Rating: Consequence (4) x Likelihood (2) = (8) Description (LOW)	
Who may be harmed?	**Who is most at risk?**
Rigger/Performer Members of the public	Rigger

Controls	Implementation	Date	Init
• 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.	• 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		
Sources of Information • 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)			

Monitoring and Measuring	**Reason(s) for Review**
Truss inspected post erection.	Change of rigging, or venue. **Expected Review Date: N/A**

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		