

THE FUN EXPERTS

Inflatable Assault Course Mangles - Risk Assessment

Company:	The Fun Experts	Location (Site / Building / Room):	Events
Assessment Date:	21 March 2025	Review Date:	31 March 2026 (or if changes to the risk)
Assessor's Name:	James Hindle	Job Title:	Logistics Co-Ordinator (IOSH)
Description of Task:	Transportation, Assembly and Use of Inflatable Assault Course Mangles Equipment		

Description of the hazard (or hazardous event)	Who might be at risk?	What is the risk?	Evaluation and Control Measures	Current risk rating*			Identify any additional controls that may be needed	Timescale for additional controls and responsible person	Risk Rating		
				L	C	R			L (Low)	M (Medium)	H (High)
Loading, Handling and Transportation of Equipment	Operator / Spectator	Injury whilst handling equipment	a). Equipment must be handled in the correct manner. b). Manual handling should be reduced to a minimum by using available trolleys / trucks. c). Ramps / Lifts to be used when required and available. d). Loads must be correctly secured. e). Individuals are not to undertake anything that puts themselves or anyone at risk.	1	2	2	1. Where required individuals can assist in handling the equipment and adhering to site Manual Handling measures. 2. Staff are to wear PPE at all times in accordance with the Clients requirements and site guidelines.	N/A	2	N/A	N/A
Installation of Equipment on site	Operator / Spectator Participants	Injury whilst installing the equipment Damage to venue	a). The equipment is inspected before installation to ensure it is free from damage.	1	2	2	1. The equipment is secured with 30cm long 20mm diameter metal pegs if installed on grass.	N/A	2	N/A	N/A

THE FUN EXPERTS

Installation of Equipment on site (Cont.)	Operator / Spectator Participants	Injury whilst installing the equipment Damage to venue	b). The Operators must have clear access to the setup area. c). The setup area must be level and free from any debris. d). The Operator must be informed of any underground services, cables, weight limits or any external factors that may hinder installation of the equipment. e). The equipment must not be installed near overhead power lines.				2. The equipment is secured using sandbags if installed on hard standing.				
Ground Type	Operator / Spectator Participants	Injury to Participant	a). The equipment can be installed on grass or hard standing. b). The area must be clear and free from debris / animal waste.	1	1	1	N/A	N/A	1	N/A	N/A
Electricity and Cabling	Operator / Spectator Participants	Injury to Operator Injury to Spectator Injury to Participants	a). Equipment requires access to 13Amp plug socket. b). Power source should be no further than 25m away from equipment. c). All cabling to be covered where required and routed away from Walkways etc.	1	2	2	N/A	N/A	2	N/A	N/A

THE FUN EXPERTS

Electricity and Cabling (Cont.)	Operator / Spectator Participants	Injury to Operator Injury to Spectator Injury to Participants	d). All electrical components are inspected for wear and that they are covered by the 6 month PAT test.								
Operation of Equipment on site	Operator / Spectator Participants	Injury to Operator Injury to Spectator Injury to Participants	a). Participants will be instructed to form a queue in front of the equipment in view of the Operator who will control the queue. b). Participants must follow the Operators instructions at all times. c). Participants must go through the equipment in the same direction, no one is allowed to go against the flow. d). Safety Mats must be placed at the entry / exit points.	1	1	1	1. Spectators are to be a minimum of 2m distance away from the equipment and not allowed to sit / rest or interfere with the equipment at any time. 2. Where applicable, equipment is to be cleaned after use and using approved cleaning materials.	N/A	1	N/A	N/A
User Safety	Operator / Spectator Participants	Injury to Operator Injury to Spectator	a). Participants who appear to be under the influence of alcohol / drugs will be refused access to the equipment. b). The Operator reserves the right to refuse permission to anyone they feel may be unsafe to partake in the activity. c). Participants must be wearing suitable	1	1	1	1. Where applicable, a Trained Operator will be in control of the equipment at all times who is briefed on the safe running of the equipment. 2. Trained Operators receive annual training and updates on the equipment operation. 3. The Fun Experts hold no liability for the onset of any medical condition or injury sustained from partaking in this activity.	N/A	1	N/A	N/A

THE FUN EXPERTS

User Safety (cont.)	Operator / Spectator Participants	Injury to Operator Injury to Spectator Injury to Participants	clothing for the activity. d). Items of loose clothing must be secured and any watches, jewellery, glasses must be removed or secured prior to taking part in the activity. e). Children must be supervised by an adult at all times. f). Food and Drink inclusive of chewing gum and sweets will not be allowed in the operating area. g). Participants should be aware of their own physical ability and notify the Operator if they want to end the activity. h). Anyone suffering from Heart Disease, physical mobility restrictions, including broken bones, and those who are pregnant should not be allowed to take part in this activity. i). The equipment must be used in accordance with the Manufacturers guidelines.								
------------------------	--------------------------------------	--	--	--	--	--	--	--	--	--	--

THE FUN EXPERTS

Weather	Operator / Spectator Participants	Injury to Operator Injury to Spectator Injury to Participants (slip / trip/ falls)	a). The equipment can be used in all mild weather conditions. b). Wind Speed should be monitored during the course of the event by the Operator or the Hirer and should not exceed the maximum permitted wind speed of 19mph. c). If wind speed exceeds 19mph the equipment is to be cleared of all Participants and deflated until it is safe to re-inflate and resume the activity. d). In the case of rain the activity will cease until the equipment is dry and safe to resume operation. e). The Operator and Hirer on the day will assess the conditions and equipment to ensure safe operations. f) The Operator reserves the right to close the operation if they feel it is unsafe to continue with the activity.	1	1	1	1. Winds Speeds are monitored / measured by a supplied Anemometer.	N/A	1	N/A	N/A
---------	--------------------------------------	--	---	---	---	---	--	-----	---	-----	-----

THE FUN EXPERTS

Risk Rating Calculator

(Likelihood x Consequence = Risk)

Likelihood that hazardous event will occur		Consequence of hazardous event	
1	Very unlikely	1	Insignificant (no injury)
2	Unlikely	2	Minor (minor injury requiring first aid only)
3	Fairly likely	3	Moderate (Up to three days absence)
4	Likely	4	Major (More than seven days absence)
5	Very likely	5	Catastrophic (Permanent injury or death)

Action Level Table

Risk Rating	Risk Level	Actions to be taken	
20 – 25	Very High Risk	STOP!	Stop the activity and take immediate action to reduce the risk, a detailed plan should be developed and implemented before work commences or continues. Senior management should monitor the plan.
15 – 16	High Risk	Urgent Action!	Take immediate action and stop the activity if necessary, maintain existing controls rigorously. The continued effectiveness of control measures should be monitored periodically.
8 – 12	Moderate Risk	Action	Moderate risks may be tolerated for short periods only while further control measures to reduce the risk are being planned and implemented. Improvements should be made within specified timescales.
3 – 6	Low Risk	Monitor	Look to improve at the next review or if there is a significant change. Monitor the situation periodically to determine if new control measures are required.
1 – 2	Very Low Risk	No Action	No further action is usually required, but ensure that existing controls are maintained and reviewed regularly.

The above RA is based on guidelines and advice from Manufacturers and 'The Fun Experts' operating equipment within current HSE requirements and should be read in conjunction with 'The Fun Experts' Method Statement. The current Public Liability Insurance covers each item, for an amount of £10 million subject to our Terms and Conditions. If there are any questions relating to the use of the equipment please contact 'The Fun Experts'.