



Mr Bouncy Castle

Risk Assessment – Inflatable Slides

H = Harm, L = Likelihood, RR = Risk Rating (1-5)

Date: 10th Feb 2025

| Hazard | Existing Control Measure | Further Control Measure to Reduce Risk | Risk Rating | | |
|---|---|--|-------------|---|----|
| | | | H | L | RR |
| The area in which the castle is erected | 1 meter clearing around the side | Check area for debris that can cause harm | 1 | 2 | 2 |
| Weather | Inflatables are not used if the weather is too wet. Maximum operating wind speed is 24 mph | Inflatables are anchored using 16mm x 380mm stakes. Staff are trained to anchor them into the ground with minimum protruding level and correct position. | 3 | 1 | 2 |
| Damage to equipment | Check equipment before use. No users weighing over 90 kg are permitted to use the equipment | Staff are trained to check the inflatables, ensure the zips are fully closed, the equipment isn't damaged and the fan is correctly secured to the tube | 1 | 1 | 1 |
| Unnecessary injury to users | Ensure that no-one with a history of back, neck or heart problems uses the inflatable | No acrobatics | 4 | 1 | 3 |
| Crowd Control / Safety | Adequate barriers and mats are in place | When monitoring the inflatable, staff ensure a safe distance is maintained | 2 | 4 | 3 |



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| Participant Collision | Ensure the castle doesn't exceed the maximum number of users | Supervise the castle and maintain control. Max users can be found on the side of the castle on the PIPA test certificate | 3 | 3 | 3 |
| Falls from height | Do not allow participants to climb, hang or sit on the walls | Supervise the castle and ensure no-one climbs the walls. Keep everyone at a safe distance while the inflatable is being erected | 5 | 1 | 3 |
| Trips | Stakes should not protrude more than 25mm above ground level | Ensure the electric cables don't cross over any pathways. Mats to be used at entrance and exits. | 2 | 3 | 3 |
| Injury from sharp objects | Ensure all sharp objects and shoes are removed | Ensure castle is supervised when being used | 2 | 2 | 2 |
| Boisterous Behaviour | Adult supervision in place. Prevent users showing boisterous behaviour from using the castle | Prohibit anyone under the influence from using the slide | 1 | 1 | 1 |
| Choking / Slipping | Ensure no food or drink is taken on to the castle | Do not allow chewing gum and do not run water down the slide. This will also ruin the inside of the castle and cause mold. | 3 | 1 | 2 |



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| Tipping Over | Do not allow the slides to be erected indoors or outside on a hard surface. | Extra ropes should be anchored from the high points. Do not allow users weighing over 90kg to use the inflatable | 5 | 2 | 4 |
| Awkward landings | Adult supervision | Ensure users come down feet first at a safe distance apart. | 4 | 2 | 3 |
| Friction burns | Ensure heavier users wear long sleeves and trousers. Slide down feet first on your back. | Avoid putting elbows on the slide. Supervisor to warn heavier users | 1 | 5 | 3 |
| Injury from overcrowding | Ensure an adult is there to supervise | At large events, safety fencing should be erected by the supervisors | 3 | 1 | 2 |
| Injury through lack of inflatable pressure | Do not allow anyone on or near the inflatable during inflation and deflation. Do not exceed the weight limit of 90kg / 14 Stone. | Equipment is checked regularly for damage. Staff are trained to secure the inflation pipe securely to the fan. | 4 | 1 | 3 |
| Risk of fire from the Petrol Fan or Generator | Petrol Fans and Generators are fenced off and filled with fuel to limit re-fueling. | Spare fuel is always stored safely in a 'fit for purpose' Jerry can. Always ensure the castle is switched off for re-fueling. | 2 | 1 | 2 |