



TRAMPOLINE PARK EQUIPMENT by **FUN SPOT®**

BOULDERING WALL OPERATIONS MANUAL

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SUMMARY

The bouldering wall requires upper body strength as well as balance and coordination. For that reason, it is important to follow these specific Fun Spot recommended operational procedures, rules, and responsibilities. Remember this is NOT a full comprehensive list of operations for every course since every course is different.

The construction of this wall is in compliance with the applicable standards for the country in which is installed, at the time of construction.

OVERVIEW

A bouldering wall consists of the wall with several different hand holds secured to it and an energy absorbing foam pit and padding below, to capture the climber if they fall.

The foam pit consists of foam cubes plus pads, completing the required area, to prevent injuries to the climbers. It is the owner's responsibility to inspect the foam pit to assure that it is filled to the correct level, and that the pads are in place while the bouldering wall is open. This may require that the foam cubes are "fluffed" and pads are adjusted during the day.

The wall consists of graphic-covered plywood and a series of hand holds. These hand holds are secured to the plywood with bolts drilled through and secured on the back by "T" nuts.

The wall height does not exceed 14'-9" (4500mm) which allows climbers to use the wall without the need for a harness or belay line, provided the foam pit or padding is at the correct height below the wall.

Caution: The hand holds may become loose over time, requiring them to be tightened. (See Notes below)

SUPERVISION

The trained staff member should observe the wall and its surrounding area when assigned to this wall. Staff members should look for rough housing, pushing, shoving, and other unsafe behaviors, as this could cause a climber to fall. Loose holds, compressed foam pit cubes, and pads out of location are items that are to be maintained as needed. Climbers should not be allowed to pass other climbers on the wall to avoid falling on one another.

MAINTENANCE

Daily (Routine Visual Inspection):

1. Inspect the wall to see that the holds are not loose, the graphic covering is secured, and the general appearance is clean and presentable.
2. Inspect and fluff the foam pit as needed to ensure the foam cubes are 1 foot (30.5 cm) above the lip of the foam pit.
3. Inspect the safety pads; they should be clean, secure, and undamaged.

Monthly (Operational Inspection):

1. Physically check all hand holds to ensure that they are secure and tight.
2. Enter the steel structure behind the wall by moving the cubes so you can climb into the structure of the wall.
3. Check all hardware securing the steel structure and the plywood to the steel structure. If there is a need to replace missing bolts, only replace them with the same strength and length as was originally installed.
4. If broken bolts are found, notify management before opening the wall.
5. Be sure the area is clean, as this will increase the lifespan of your foam cubes.
6. After exiting the structure, replace the foam cubes to the proper level and return the pads.
7. Disinfect foam cubes as needed.

Annual (Main Inspection):

1. Check all connection points, including those into the concrete.
2. Look for evidence of loose concrete near anchors, rusted metal, rotting, or corrosion.
3. Check under the foam pit. This is the time to empty the foam pit to inspect, replace, and disinfect the foam cubes. Inspect the plywood sides and the trampoline bed. Clean the mat from under the foam cubes and remove any debris that may have accumulated.

Note: Bolts securing hand holds should have a minimum torque of 15 foot pounds. The recommended wall occupancy is 1 climber per 100 sq ft (9.3 sq m). The height of the foam cubes should touch the bottom of the bouldering wall. The height of the wall is measured from the top of the foam cubes or pads to the highest hand hold.

The intervals for maintenance for your park should be adjusted based on its use. The above are our minimum recommendations. If any parts need replacement, contact the manufacturer for instructions.

OPERATION

A trained staff member should be present during all times the wall is open. Climbers may start on any part of the wall. In most cases, a climber starts on one side and “boulders” across the face of the wall to the other side. This is accomplished by using the different climbing holds to get from one area to another, or to go up and down the wall using their hands and feet.

There should be no passing of another climber on the bouldering wall.

Staff members need to ensure that the number of climbers does not exceed its safe capacity. The standard is 100 sq ft (9.3 sq m) per climber.

RISK ASSESSMENT

- Risk 1: Climber tries to go on bouldering wall without a staff member present.
 - Solution: Always have a trained staff member at the activity when in use.
 - Solution: Do not allow climbers in the activity zone without being properly trained on all of the rules of this activity.
 - Solution: Install a gate around the bouldering wall zone that can only be unlocked by a staff member.
- Risk 2: A climber becomes scared of falling.
 - Solution: Inform all climbers of the risks prior to entering the activity zone.
 - Solution: Observe the climber prior to the activity to ensure they have the endurance to participate on the wall.
 - Solution: Reassure the climber that if they fall, it will be into the soft area of foam cubes or padding.

- Risk 3: A climber is knocked off the wall by a second climber falling.
 - Solution: Ensure staff members are observing the climbers to maintain proper distance from one another.
 - Solution: Observe the climber prior to the activity to ensure they have the endurance to participate on the wall.
 - Solution: Allow only one climber for every 100 sq ft (9.3 sq m). This should prevent any interference from other climbers.
 - Solution: Only allow a maximum of 2 attempts per climber for every 30 minutes to reduce fatigue.
- Risk 4: Bouldering wall activity apparatus fails.
 - Solution: Require staff members to perform daily inspections on equipment.
 - Solution: Follow all inspections checklists provided by manufacturer.
 - Solution: Request annual inspections by the manufacturer (at additional cost).
- Risk 5: One climber passing another on the bouldering wall.
 - Solution: Have "No Passing Other Climbers" as an activity rule.
 - Solution: Have a staff member instruct all climbers not to pass others while on the wall.
 - Solution: Remind staff members to caution climbers when they observe someone start passing another climber.
 - Solution: Reduce the number of climbers on the wall at the same time.

RULES

Rules signage should be placed near the entrance to the bouldering/climbing attractions. The following are the rules that must be posted:

Fun Spot Bouldering Rules

ALWAYS:

- Announce yourself to staff members when you are ready to start your climb on the bouldering wall.
- Climb at your own pace, and let a staff member know if you are having difficulties.
- If you are in need of help, ask for assistance.
- Be aware of others climbing around you.
- Push off of the wall landing on the foam cubes or crash pad if you are not able to make it fully across the wall.

- When waiting your turn, stand outside of landing zones.

DO NOT:

- Climb unless you a staff member is present and gives you a signal indicating it is your turn.
- Pass over or under another climber.
- Flip off of the bouldering wall.
- Stand in the landing zones.
- Hang upside down.
- Try to reach the top of the bouldering wall.

GUEST RESPONSIBILITY

Everyone that enters a court or activity zone must have completed and signed a valid liability waiver. Those under the age of 18 must have the form completed and signed by a parent, legal guardian, or someone with legal power of attorney.

Prior to participation, all guests and accompanying adults assume full responsibility to ensure that:

- All waivers are properly executed.
- Everyone has reviewed the rules and viewed safety video if applicable.
- Everyone must have a valid jump or activity ticket before entering any activity zone.
- Guests and accompanying adults completely understand and agree to follow all rules and staff member instructions.
- Everyone is in good health without any restrictions.
- Be aware of those around you. It is your responsibility to avoid others. activities may involve individuals of different sizes, ages, and abilities; your participation is at your own risk.
- Guests and accompanying adults assume full responsibility for their actions and conduct.



Guests and accompanying adults assume full responsibility to ensure that personal property including, but not limited to, cameras, cell phones, shoes, handbags/purses, are not lost, stolen, or damaged.

Staff members reserve the right to relocate guests and accompanying adults to a different area at any time.

Non-compliance may result in the loss of your paid activity ticket.

WARNING!

Impact, flipping, climbing, and other activities can result in serious or fatal head injury, paralysis, fracture, and serious injury.

Do not attempt any skill or activity outside your own limitations, abilities, or skill level. Use involves inherent risk. Participate with extreme caution at your own risk.

Do not participate if you have any health limitations, had recent surgeries, are under the influence of drugs or alcohol, or if you are pregnant.

Failure to follow the rules may result in serious injury or death.