

Bungee Pit

Recommended Tools:

- Concrete Hammer Drill
- 3/8" Concrete Bits (Pour Concrete Walls)
- 5/8" Concrete Bit (Masonry Block Walls)
- Sledge Hammer
- Chalk Line
- Razor Knife
- Tape
- Drive & Sockets for Clamps
- Saws-All for Cutting Angle Iron
- Electrical Zip Ties



Required Parts
Angle Iron
3/8" x 3-3/4" Concrete Wedge Anchors (Pour Concrete Walls)
3/8" Double Expansion Anchors (Masonry Block Walls)
3/8" x 3-1/2" Bolt & Washer (Masonry Block Walls)
5/8" Bungee Cord (4x the Linear Footage of the Pit)
5/8" Thick Cross-Linked Foam
3M Super 77 Spray Adhesive
1-Foot Wide 5/8" Foam
2" S-Hooks
5/8" Wire Rope Clamps

Need help?

Call 1-800-932-3339 or
 Email info@gymsupply.com

IMPORTANT:

This is not a trampoline device and should not be used as such.

Step 1:

Ensure that the completed pit depth will be a minimum of 72 inches, with the bed set at 48 inches deep.

Step 2:

Create a guideline by snapping a **Chalk Line** on the wall, positioning it 48" from the top (or 24" from the bottom of the pit). This designated height is where we suggest installing your bungee bed.

Step 3A:

Follow this section for **Poured Concrete Walls**. For **Masonry Block Walls** skip to Step 3B.

Begin by placing one end of the **Angle Iron** in a corner of your pit. Position the Angle Iron along the line you previously snapped, ensuring that the side of the Angle Iron with only 3-4 holes lies flat against the wall and points downward. Proceed to run the **3/8" Concrete Drill Bit** through the pre-drilled holes in the Angle Iron. This will ensure precise drilling into the wall, making it easier to attach the Angle Iron.

Next, hammer the **3/8" x 3-3/4" Concrete Wedge Anchors** into place so that they protrude from the wall approximately 1/2" to 3/4". Use three Wedge Anchors for every 4' section of Angle Iron.

Continue this process around the entire perimeter of the pit to create the frame for your bungee bed. If required, cut the Angle Iron to fit the complete perimeter. It is okay to overlap the Angle Iron in the corner for ease of fitting, but make sure there are no gaps between the steel pieces. Install the Angle Iron as shown, ensuring that the **Anchor Bolts** remain below the top of the Angle Iron.

Step 3B:

Follow this section for **Masonry Block Walls**. For **Poured Concrete Walls** skip to **Step 3A**.

Begin by placing one end of the **Angle Iron** in a corner of your pit. Position the Angle Iron along the line you previously snapped, ensuring that the side of the Angle Iron with only 3-4 holes lies flat against the wall and points downward. Use a marker to make marks on the wall through the pre-drilled holes in the angle iron.

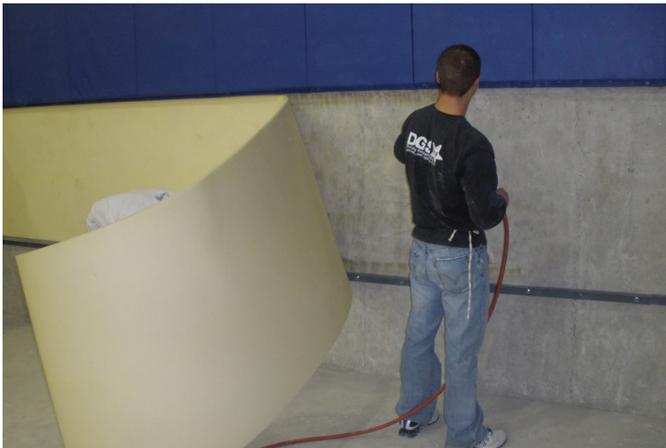
For each 4' section of Angle Iron, use three **3/8" Double Expansion Anchors**. Insert the **3/8" x 3-1/2" Bolts & Washers** through the pre-drilled holes in the Angle Iron and loosely attach them to the Double Expansion Anchors. With all the Bolts and Double Expansion Anchors attached to the Angle Iron, carefully slide the Double Expansion Anchors into the drilled holes until the Angle Iron sits flush against the wall. Then, tighten the Bolts securely.

Continue this process around the entire perimeter of the pit to create the frame for your Bungee bed. If required, cut the Angle Iron to fit the complete perimeter. It is okay to overlap the Angle Iron in the corner for ease of fitting, but make sure there are no gaps between the steel pieces. Install the Angle Iron as shown, ensuring that the **Anchor Bolts** remain below the top of the Angle Iron.



Step 4:

Install a web of **Bungee Cords** over the pit area, stretching them across the pit angles, with a greater concentration of Bungee Cords at the center of the pit. This will effectively support and hold the center of the pit under the load of the foam. Ensure that the Bungee Cords are tightened to an extremely high level of tension.



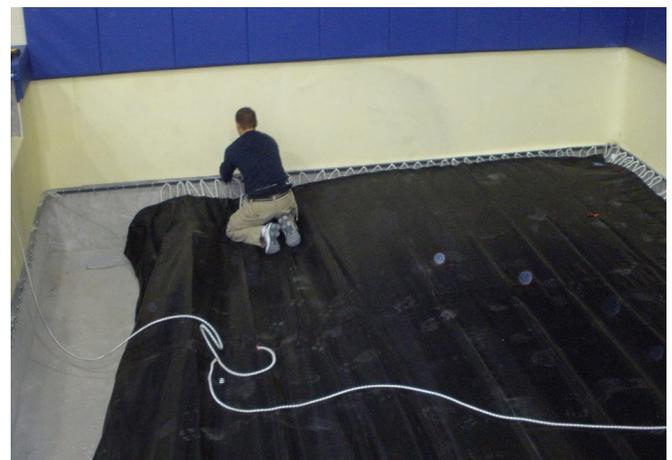
Step 5:

Line the interior walls of the pit with a minimum of **5/8" Thick Cross-linked Foam** from a height of 12" down to the trampoline bed. The first 12" should have either an edge pad or padding with a thickness of at least 1-3/8" to 4". Before installation, apply **3M Super 77 Spray Adhesive** sparingly to both the foam and the wall. Follow the instructions provided on the can of glue for the proper application of the spray adhesive.

Step 6:

Place the trampoline bed on top of the bungee web inside the pit, getting it ready for stringing. Ensure that the bed's dimensions are 20 inches shorter than the width of the walls on all sides. This arrangement will create a 10-inch space on each side of the bed for the **Bungee Cord** to function effectively.

Warning: Do not utilize a bed that exceeds the size of the pit opening.



Step 7:

Using **Tape**, mark the specific area on the **Bungee Cord** where you need to cut it. Then, cut a length of Bungee Cord that is three times the length of the wall where you intend to begin. Loosely run the Bungee Cord through each D-Ring on the bed, making sure not to skip any D-Rings. Secure one end of the Bungee Cord with a **5/8" Wire Rope Clamp**.

Next, attach the **S-Hooks** from the Bungee Cord at each location between the D-Rings to the Angle Iron. Pull the Bungee Cord over about 10 inches and fasten the S-hook into the pre-drilled hole in the Angle Iron. Repeat this process until you reach the end of the Bungee Cord, then secure that end with a Clamp.

Continue with a new piece of Bungee Cord until the bed is completely strung around the entire perimeter of the pit. Ensure there is approximately 10 inches of space between the D-Rings and the pit wall on all sides and corners of the bed. This will help maintain uniform tension on the bed. Double-check that all S-Hooks are firmly in place, clipped to both the Bungee Cord and the Angle Iron.

Step 8:

Re-adjust the tension of all **Bungee Cords** to achieve even pulling on all sides of the bed, reaching your preferred tension. Ensure the bed is pulled tightly, preventing any contact with the pit floor at any point. Verify this by testing with a minimum weight of 300 lbs. of people jumping on the center of the bed. If the bed makes contact with the floor, then the Bungee Cords must be re-tensioned.

Step 9:

Wrap each of the **Bungee Cords** with the provided **1-Foot Wide 5/8" Foam**. Utilize **Electrical Zip Ties** to secure the Foam in place. To do so, make holes in the Foam along the Bungee Cord using a screwdriver. Loop the Electrical Zip Tie through the first hole, wrap it around the Bungee Cord, and thread it back through the second hole to securely hold the Foam in place on the Bungee Cord.



Step 10:

Your pit is now prepared to be filled with foam blocks and is ready for use.

We advise filling a minimum of 80% of the pit's cubic area with Foam Cubes to ensure enough air space for the athlete to safely penetrate the foam. Regularly fluff the pit foam, particularly when the foam level packs down to more than 6 inches below the top edge of the pit.

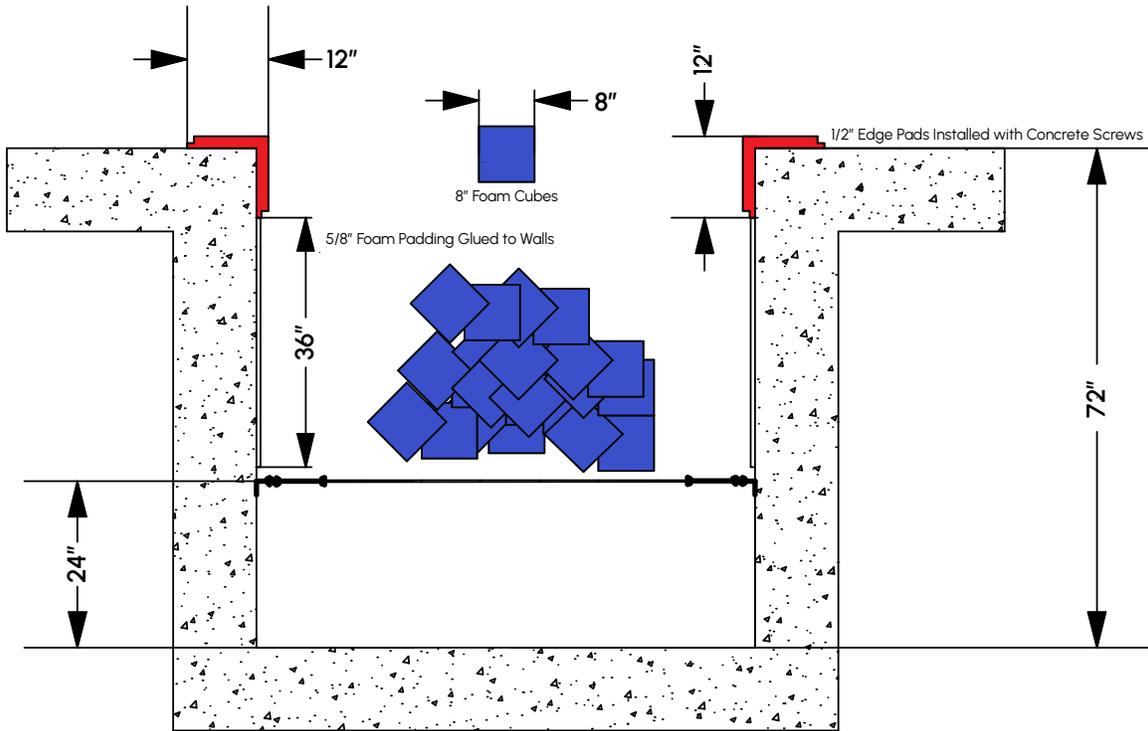


IMPORTANT:

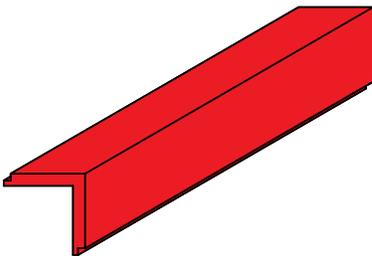
We advise placing an Air-Filled Rubber Tractor Tire Tube at the center of the pit underneath the bed on the pit floor. This provides an extra fail-safe measure to prevent the bed from hitting the bottom over time. Using a rubber bladder is preferable to foam since foam may absorb moisture or water due to condensation or potential water leakage in the concrete pit.

An alternative option for floor protection would be Cross-linked PE Foam, with a minimum thickness of 2 inches. This type of foam does not absorb water.

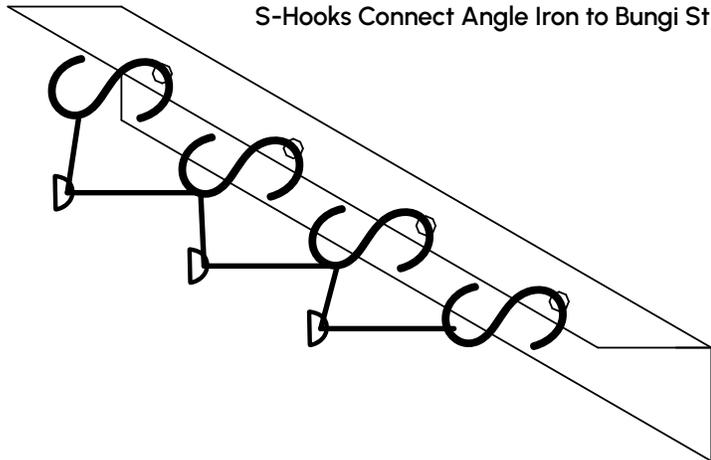
PIT INSTRUCTIONS DRAWING



Edge Pads are Covered with 1-3/8" Foam
 It is then Covered in 18oz Vinyl



S-Hooks Connect Angle Iron to Bungi String



D-Ring Attached to Bungi Bed



2" x 2" Angle Iron