

INSTALLATION GUIDE

INGROUND TRAMPOLINES

Step 1: IGT Site Preparation

Site Location

Several factors must be considered when choosing the site for your new In-Ground Trampoline (IGT) system. Since local soil and weather conditions vary greatly from region to region, it is recommended that a local landscape expert be consulted for placement of the system.

A minimum of 18 feet of overhead clearance and 5 feet of clearance from the trampoline to other objects on the ground is recommended for the jumpers protection.

Using impact-absorbing ground cover such as grass, sand or bark chips is recommended for 6 to 8 feet around the trampoline.

Drainage

Drainage is not a problem with our In-Ground Trampoline system.

It is recommended to leave at least 4 inches of the trampoline above the final grade and gradually burming the soil up to the edge of the trampoline. This will keep water from flowing into the pit in the event of heavy rain. Depending on local soil conditions you may consider adding 4 to 6 inches of gravel into the bottom of the pit, creating a sump effect to prevent standing water. Extreme conditions may require additional drainage methods or the use of a sump pump. It is always a good idea to consult a local landscaper regarding local soil conditions and drainage for your area.

The Pit

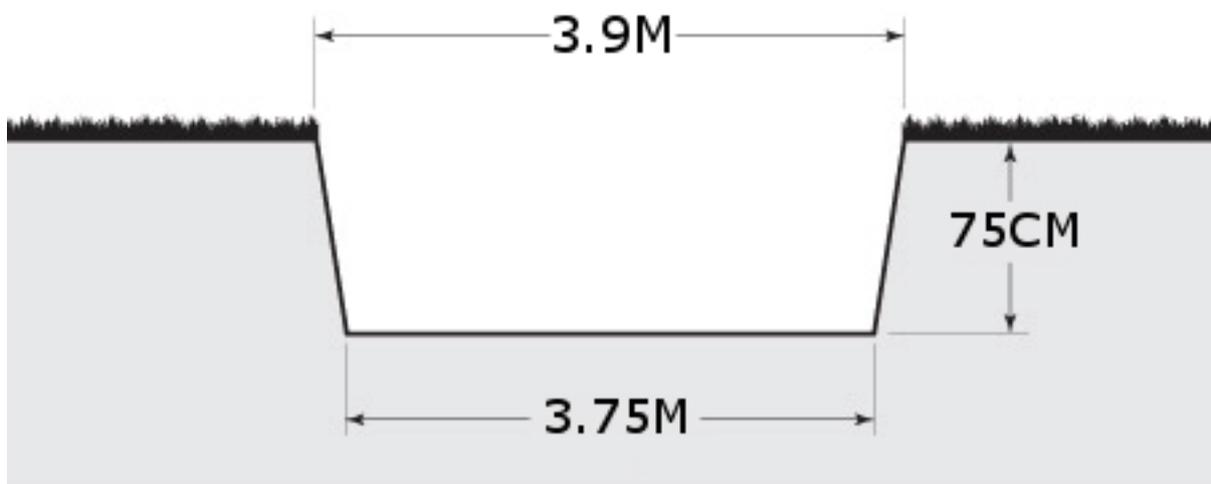
The IGT system is designed to be installed partially or completely recessed in the ground.

Either way, the pit will need to be excavated to a diameter of 13 feet for the 12' model and 16 feet for the 15' model. If the IGT system must be assembled in the pit due to size constraints of the yard, a 14 foot pit for the 12' model and 17 foot pit for the 15' model is recommended for easier access to assembly hardware.

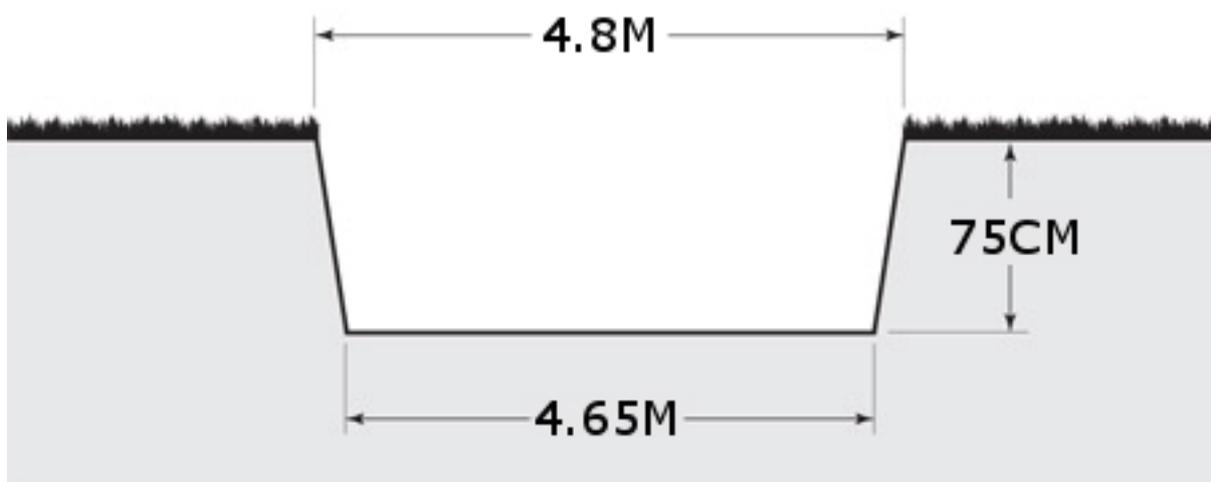
For a completely recessed system we recommend the excavation of the pit depth be 29-31 inches deep. See below for Pit Dimensions. The system is a total of 33 inches tall so this allows for the trampoline to remain at least 2-4 inches above the grade as recommended in the Drainage section.

For a partially recessed system, the dirt excavated from the pit can be used to build up the area around the installation. Excavating the pit to a depth of 18 inches leaves 15 inches of the system exposed. This method eliminates the need for removing excavated soil from the property.

3.6M IN-GROUND TRAMPOLINE HOLE DIMENSIONS



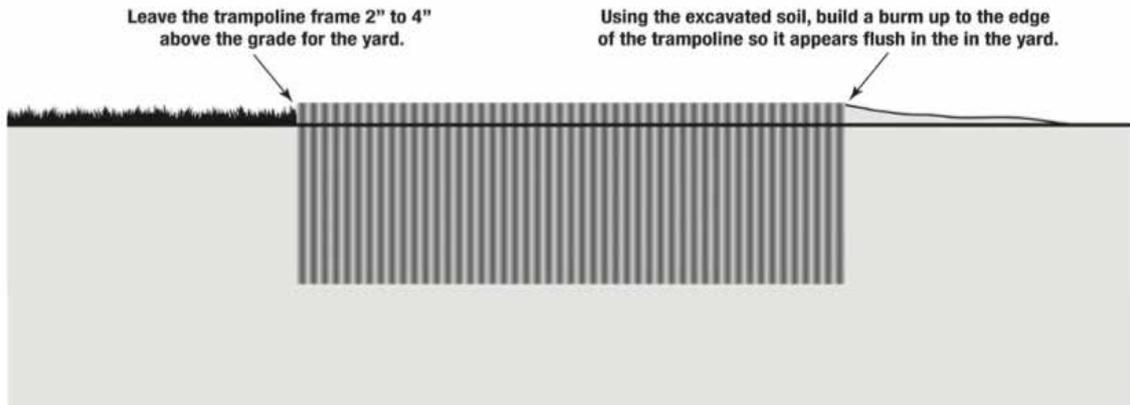
4.5M IN-GROUND TRAMPOLINE HOLE DIMENSIONS



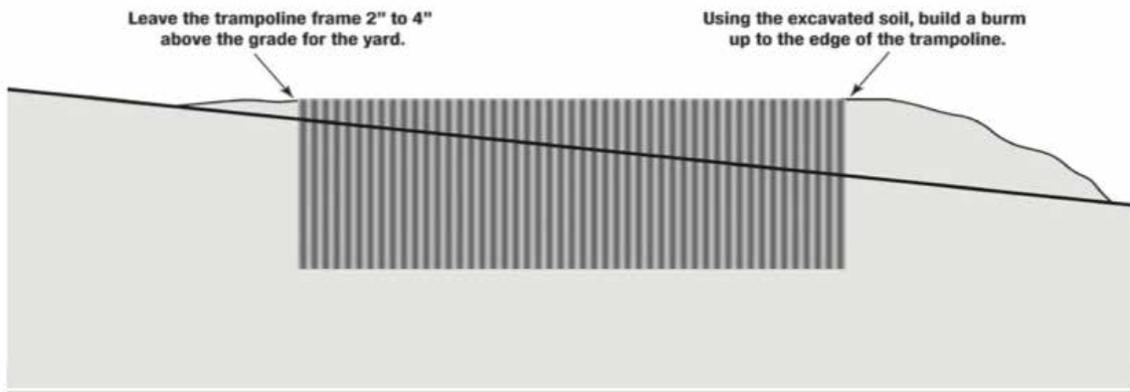
Details on Trampoline Installation Depth

The IGT system is a total of 33 inches tall. Excavation to a depth of 29-31 inches will leave the frame 2-4 inches above the yard grade. This will keep water out of the IGT system. In order to have the trampoline appear to be flush in the yard, simply use excavated soil to create a berm up to the edge of the frame. See diagram below.

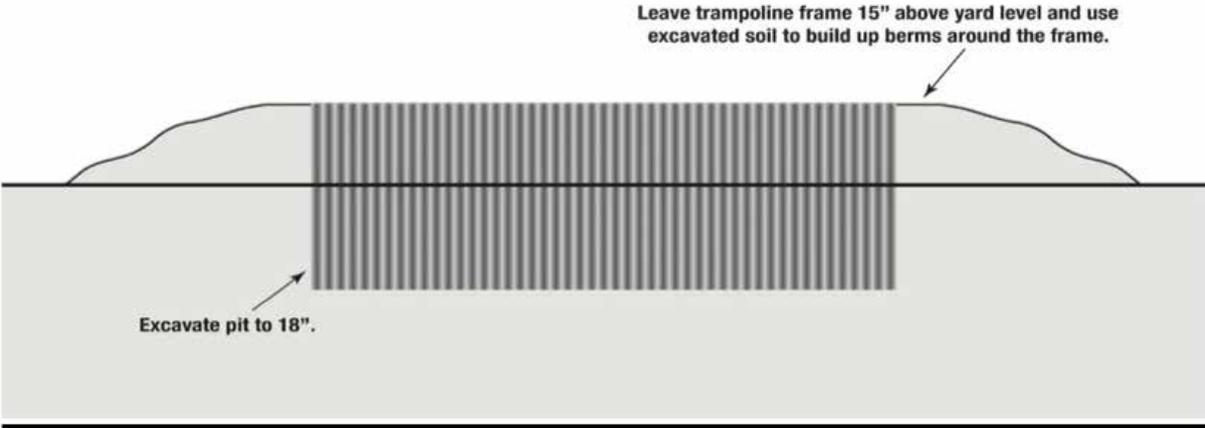
INSTALLATION IN A LEVEL YARD



INSTALLATION IN A NON-LEVEL YARD



PARTIALLY RECESSED
NO DIRT HAUL AWAY



Step 2: Lay Out Parts

Extra Large - 12ft	Jumbo - 15ft	Description
12	15	Top Frame Segments (10 hole)
12	15	Bottom Frame Segments (4 hole)
24	30	Side Panels
24	30	Rubber Edge Protector Strips
1	1	Pad Set
1	1	Jumping Surface
96	120	Springs
48	60	Bolts
48	60	Nuts
96	120	Washers
1	1	Tool Kit

Lay Out Parts for Easy Installation

Lay out parts as shown to simplify assembly of the frame. Use one of the shipping boxes to separate all the hardware.



Step 3: Frame Assembly

Tips

- Use the assembled lower frame ring as a template to help locate and mark for pit excavation.
 - Assembly should occur next to the excavated pit. If there is no room for assembly close to the pit, it can be assembled in the pit however it is recommended to excavate the diameter of the pit to 14 feet for the 12' model and 17' for the 15' model for easier access to the hardware.
 - Be sure the spring holes on the top frame segments are facing up.
 - Leave all bolts loose to allow movement of the components during assembly for easier bolt hole alignment.
 - Unless you are on a perfectly level surface for assembly, some holes may be difficult to line up. Use a long screwdriver to help locate and align holes
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Step A: Assemble Lower frame ring section.

Assemble lower ring using the 12/15 lower frame segments.



Step B: Join 3 wall panels with one top frame segment.

Lay 3 panels on the ground overlapping each other so the holes are aligned. Attach the top holes of the panel (holes closest to the edge with the protector strip) to the upper frame segment using a bolt and washer on the panel side and a nut and washer on the frame side as shown in the photo below right. Make sure the spring holes are facing up on the top frame segment. Do not tighten the bolts at this time.



Step C: Join the 3 wall panels and upper segment to the lower frame ring.

To make assembly easier, use the shipping boxes to support the lower frame ring about 6 inches off the ground while attaching the wall panels.

Attach the assembly from step 2 to any place on the lower frame ring using a bolt and washer on the panel side and a nut and washer on the frame side.

Do not tighten bolts at this time.



Step D: continue adding wall panels and upper frame segments.

Attach 1 wall and 1 upper frame segment at a time always starting with upper bolts first. Use the Allen wrench to help push the bolts through the holes.



Step E: Complete the frame assembly.

The final wall panel and upper segment installation may require lifting and/or shifting the frame. This is why the bolts should be left loose until the frame is completed. Be sure all edge protectors are properly seated prior to tightening the hardware.

When all components and hardware are in place, tighten all bolts.

The frame/wall panel bolt should protrude about 1/4 inch past the nut when tightened. Do not over tighten and crush the wall panel.



The Frame is now complete!



Step 4: Position Frame Assembly into Pit

Install

The frame can now be placed into the excavated hole. The completed frame weighs 235 lbs. (12') 255 lbs (15') and will require 3 to 4 adults to position the frame into the pit.



Level Frame

A level frame is important for safe trampoline use. Use a string level or similar device to make sure the frame is completely level before continuing.



Backfill

Backfill the frame assembly using the excavated soil. Try to use loose dirt free of large clumps. The final landscape can be finished at this point if desired or later. It is important to have the final surface, whether it is grass or mulch etc, at the same level as the top of the frame. For a good flush look, you may need to start the backfill up to the edge of the frame from 2-3 feet away from the trampoline gradually sloping up from the existing yard grade up to the top of the frame.



Step 5: Install Jumping Surface

Attach Every 4th Spring

Using the provided spring tool, start at any point attaching every 4 spring from the frame to the rings on the jump mat, skipping 3 holes on the frame and 3 rings on the mat. Although it is hard to see, the spring has a large hook and a small hook. (See photo) Make sure the small hook is attached to the jump mat first and then using the spring tool, pull the larger hook and attached to the frame.

It is very important to attach springs in the correct pattern. Be sure the "D" ring on the jump mat is oriented properly.



Attach middle springs

Attach the springs in the middle of the first round of springs



Attach all remaining springs

Make sure the springs already attached are correct. There will be a frame hole and mat ring for each spring. After the pattern is confirmed correct, attach the rest of the springs to the frame and mat.



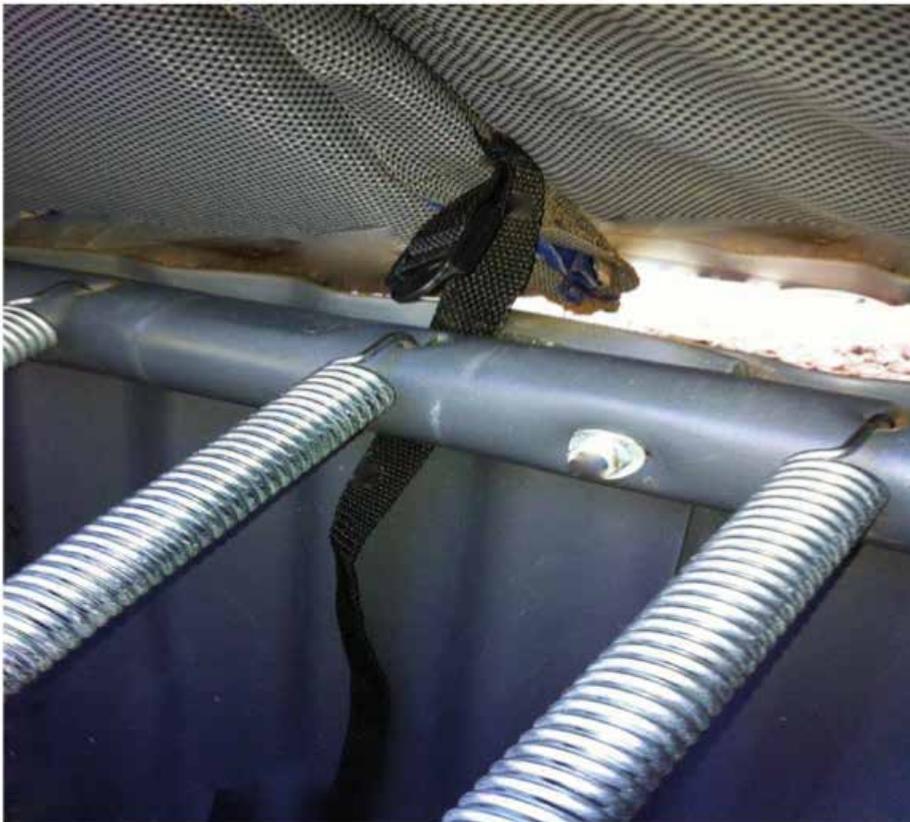
Step 7: Attach pad

Edge protector

Before installing pads, make sure the Edge Protector is properly in place.

Install pad

Lay the pad out on the perimeter of the trampoline. At this point you must lie down on top of trampoline jump surface and lift up the edge of the pad to gain access to the tie straps located on the bottom side of the pad. Secure the pad by slipping the strap down between the frame tube and wall panel on either side of one of the frame/wall panel bolts. Pass the end of the strap through the buckle pull tightly so the pads will not slide around. The ties will line up with every other frame assembly bolt.





CONGRATULATIONS!

You are now finished with the IGT installation!