Geo IceRink Bracket Installation Instructions

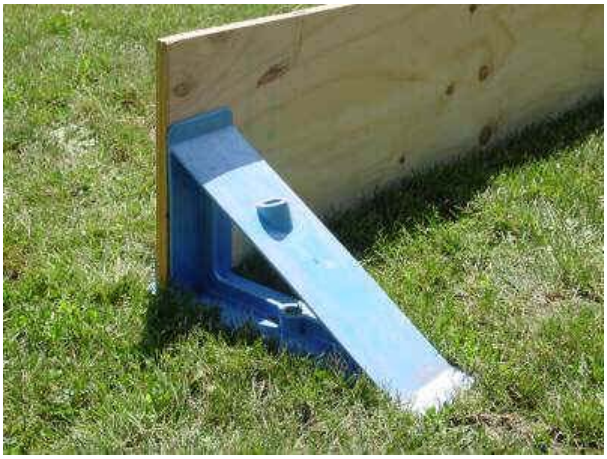
Geo IceRink Brackets

Brackets are the most unique and easiest method ever devised to make the perimeter of an outdoor temporary ice rink. So unique, in fact, they are patent pending. The brackets were designed based on the knowledge we've gained from building and skating on our own outdoor rinks using the traditional board and stake method. The brackets are designed to accommodate a 3/4 inch thick sheet of plywood with the height being variable by design. With the board heights being adjustable, it's now much easier to build a rink on unleveled ground. The minimum board height is 8 inches and the maximum suggested board height is 24 inches. There can be as much as a 14 inch pitch using these brackets. For rinks made on uneven ground there is a stake hole within the bracket to provide extra stability when needed. Frost penetrating stakes are available in 18 inch or 24 inch lengths. One bracket should be used per each four feet of perimeter being made. This will make a very nice sturdy frame that will last for years to come.

Not just for rinks either. The brackets make great raised bed planter supports for the gardener in the family and also make good backstops for backyard soccer games or your own baseball outfield home run wall. (With bumper caps applied of course.)

Easy up, Easy down.

Geo IceRink Bracket Installation Instructions

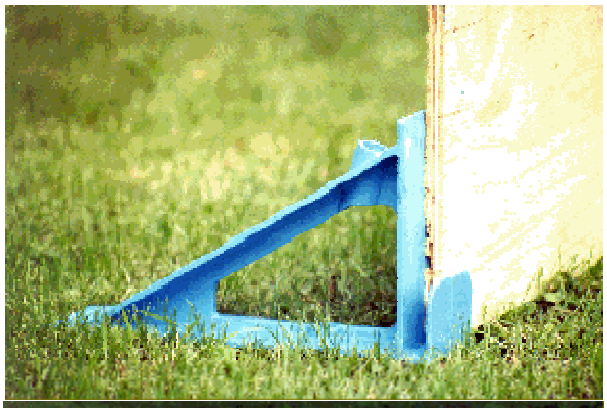


Please Read Before Installing your Geo IceRink Brackets

The Geo IceRink bracket design allows them to be

installed easily year after year, when these directions are followed. Please read through the following instructions to better educate yourself and your helpers, on how the proper installation of the brackets is to be done.

"Follow the instructions and save money and time. NEVER attempt to put brackets into frozen ground."



Step #1 Mark the four corners with stakes and run a string to outline your rink. Test your slope to determine how much water/ice will be at all portions of your rink. (4" minimum of water/ice is required)

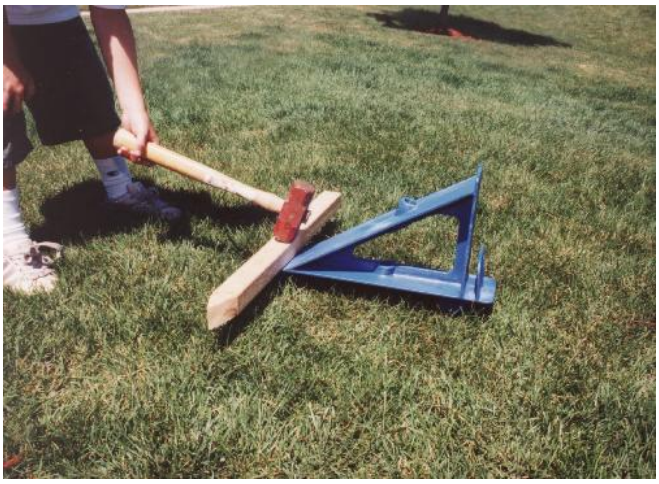
Step #2 Set out all of the brackets, one every four feet and two at each corner. One bracket will be in the center of each board and one will be shared at the end of each 2 boards. If you have a deep end of more than 16" of water/ice the brackets should be spaced at 2 ½' intervals along the deep end and ¾" spikes driven through the provided support hole. You'll notice on the design of the brackets that the "spikes" that go into the ground are angled backward. They are engineered to hold the most water pressure possible with this design.

NOTE: This angled spike design presents one key issue when installing the brackets. When the tips of the spikes are set into the ground, the bracket will travel backward approximately 2" when they are completely installed into the ground. You'll want to start each bracket about 2" inside of the string line. By doing this your brackets will be lined up straight and in the right location to accommodate your measurements and boards you've already purchased. It will be easier to install the brackets into the ground with two people. One person to apply pressure or pound at the front of the bracket and one for the back portion of the bracket. By having two people applying pressure at the same time or alternating hits, the bracket will install into the ground much easier than trying to go back and forth yourself.

Step #3 Once you have your brackets all laid out and ready to install, start them into the ground and get them as far as possible with foot pressure. Make sure to apply the pressure to the center of the step plate. **DO NOT STEP ON THE CORNERS OF THE STEP PLATES, AS THIS MAY CAUSE DAMAGE TO YOUR BRACKETS!!!!!** Once you have gotten them started you'll now be able to put one foot inside the bracket opening and one on the back step plate. (Picture A) Do this and rock back and forth (side to side) to loosen the ground and work the brackets in. If they did not go in all the way to the bottom, don't be alarmed, the first 4" installs relatively easy, the last 2" is where your friend comes in. Now you can pound the stakes into the ground with a 2x2 stake and/or a piece of 2x4.

CAUTION: DO NOT POUND DIRECTLY ON THE BRACKET WITH ANY HAMMER (See Pictures B, C & D), THIS MAY CAUSE DAMAGE TO YOUR BRACKETS!!!!!

Step #4 How you pound them is to distribute the force of the hammer evenly over the step plates to avoid breaking them. For the back step plate, lay the 2x2 down across the step plate, (Picture E) and pound on top of the 2x2 in the general direction the bracket is going into the ground. (Do not try to get one side completely in and then the other. Work your way back and forth until completely installed.)



Step #5 Move to the front of the bracket, stand the 2x2 stake upright in the center of the step plate and aim in the direction the bracket is going into the ground as shown. (Picture F) Do not aim the stake to horizontal as shown (Picture G) as this may break the “U-channel” off. To avoid this problem all together you can use a scrap piece of ¾” board, inserted into the “U-channel” negating the opportunity to break that piece all together. When all of the brackets are installed into the ground, you can then proceed with the board installation. (You may also wait to install the boards until it’s gets colder if you don’t want to look at them.) The board holder portion “U-channel” of the bracket is purposely designed with an inward angle in front to keep the boards secure against the upright portion. This narrower top portion of the “U-channel” is actually thinner than the ¾” board you will be placing into the U-channel. When putting the boards into the U-channel, you’ll have to slightly pry open the top or wedge the board in at the start so it will slide into the bracket properly. After all the boards are in place, we recommend the following procedure to prevent the possibility of the front part of the U-channel from breaking off. This extra procedure will also make your sideboard system much sturdier. You can screw the sideboard to the bracket. This is done by drilling a small pilot hole into the bracket (two at a shared bracket point), approximately ¾” down from the top of the bracket at the base of the top flange. You should only drill through the bracket, not into the board, as the screws will self tap into the board by itself to secure the board to the bracket. This hole drilling will only have to be done once, as next year the holes will already be there. Use a wood screw, Phillips head, 7/8” long. If you use screws longer than 7/8”, there is the possibility of going all the way through to the inside of the rink with the screw tip, which presents the obvious problem of puncturing your NiceRink liner. Included with your brackets were four corner brackets that will help to keep your corners connected. They can

be lined up and screwed into place through the provided screw holes.

18" Geo IceRink Bracket Support Stake

Geo IceRink Bracket

Geo IceRink brackets will hold anywhere from 12-16" of water with no additional support. Water/Ice levels that are higher should use this 3/4" steel support spike. Spike fits into already supplied hole in the Geo IceRink Brackets.

18 " Geo IceRink Bracket Support Stakes: **$3.00 Ea**.
24" Geo IceRink Bracket Support Stakes: **$3.75 Ea.**

Quantity 1-34	**NB134AC**	$10.50 ea.
Quantity 35-56	**NB556AC**	$10.00 ea.
Quantity 57-90	**NB790AC**	$9.75 ea.
Quantity 91+	**NB090AC**	$9.50 ea.