RinkMaster🇨🇦

Hockey Rink Kit Assembly

Congratulations and Thank You for purchasing a RinkMaster™ Hockey Rink Kit. We appreciate your business, and we share your enthusiasm for building a rink for countless hours of winter enjoyment!

Rink-making can be a tricky business, but RinkMaster™ makes the process as simple as possible. To help ensure success, please spend a few minutes reading these instructions.

We welcome your feedback and comments. Drop us a line at info@RinkMaster.com to let us know your thoughts on the RinkMaster™ product or to share a story about enjoying your rink!

Components Included

Components	12'x24' Size/ Quantities	20'x30' Size/ Quantities	20'x40' Size/ Quantities	24'x48' Size/ Quantities
6mil White *RinkMaster* Rink Liner 	20'x30' *Rink Liner*	24'x35' *Rink Liner*	24'x45' *Rink Liner*	28’x55’ *Rink Liner*
Toja Grid KNECT Brackets 	12	20	24	24
Toja Grid TRIO Brackets 	4	4	4	4
Toja Grid QUAD Brackets 	2	6	8	8

*Deck Screws will also be provided with every order

Also included in our *Choice* and *Deluxe* Systems

Components	12'x24' Quantities	20'x30' Quantities	20'x40' Quantities	24'x48' Quantities
Puck Board and Screws 	18 Puck Board 150 Screws	26 Puck Board 200 Screws	30 Puck Board 250 Screws	36 Puck Board 300 Screws

Only included in our *Deluxe* System

Two RinkMaster 36" Red Pond Hockey Nets

One RinkMaster FloodMaster

6" Yellow Kickplate

Tools Required for Assembly

Impact Driver

Circular/Chop Saw

Robertson Bit (#2 and #3)

Lumber Required

		Quantity by Size	
Function	Lumber	12'x24'	24'x48'
Base Structure	4"x4"x12'	6	12
Corner Uprights	4"x4"x16½"	4	4
Inner Uprights	4"x4"x13"	14	32
Top Rail	2"x4"x14'	6	12
Optional Lumber (*hanging netting or lights*)	4"x4"x8' *Use these to replace all 4 corner uprights, and substitute these in for inner uprights at every 12' interval*	6	12
	2"x4"x13" *Attach to both sides of all 4"x4"x8' lumber to support Top Rail. (See Step 2: Top Rail for more information)*	12	24

		Quantity by Size	
Function	Lumber	20'x30'	20'x40'
Base Structure	4"x4"x10'	10	12
Corner Uprights	4"x4"x16½"	4	4
Inner Uprights	4"x4"x13"	26	32
Top Rail	2"x4"x12'	10	12
Optional Lumber (*hanging netting or lights*)	4"x4"x8' *Use these to replace all 4 corner uprights, and substitute these in for inner uprights at every 10' interval*	10	12
	2"x4"x13" *Attach to both sides of all 4"x4"x8' lumber to support Top Rail. (See Step 2: Top Rail for more information)*	20	24

MEASURING AND DEALING WITH SLOPE

Check Your Yard's Slope

- Before building your backyard ice rink, it's essential to assess the slope of your yard accurately. You can do this with leveling tools, such as a level, string level, or a laser level. If available, a laser level provides exceptional accuracy.

- Identify and mark the specific area where you plan to install your ice rink. This area should be free of obstructions and large debris.

- At one end of the rink area, set up a visible reference point, such as a stake or marker. This point will serve as your starting reference for measuring slope.

- Place your chosen level (or laser level) at the reference point. Ensure it's perfectly horizontal. If you're using a string level, stretch it tightly between the reference point and the opposite end of the rink area.

- Look at the level's bubble or string to see if it's flat. If using a string level, measure the height difference between the string and the ground at multiple points along the rink area. For accurate results, perform measurements at various locations across the rink area. This helps identify variations in slope.

Dealing With a Sloped Yard

- If your yard has a significant slope of 3 inches or more across the rink area, consider using longer inner upright lumber on the lower side of the slope. This will help compensate for the slope, ensuring that the frame's height is consistent on all sides, this will also ensure an even height of boards around the rink.

IMPORTANT NOTES BEFORE BUILDING

- When purchasing your lumber, we recommend always bringing a TojaGrid bracket with you to ensure a proper fit of the 4"x4" lumber into the bracket. The brackets use dressed lumber which must be dry and straight. 4"x4" dressed lumber should measure 3.5"x3.5" which will fit smoothly into the bracket cavity that is 3.61"x3.61"

- After you've acquired the lumber and it's on-site, it's important to protect it from rain and dampness until you're ready to set up the rink. Wet lumber can pose challenges when fitting it into the brackets, so please take extra care in keeping it dry and protected.

YOU ARE NOW READY TO START BUILDING YOUR RINK!

STEP 1: PREPARING AND BUILDING BASE STRUCTURE

⇒ Measure the lumber to ensure the base 4x4's are the exact length necessary (10' or 12' depending on kit size). If they are slightly long, cut them to the exact dimension to ensure the proper final dimensions of the rink. This is important for the purpose of attaching Puck Board or plywood boards.

⇒ Layout the base 4"x 4" lumber pieces in your rectangular rink shape.

⇒ Place the four Trio brackets in each of the 4 corners, along with a corner upright piece.

⇒ Place the Quad brackets at each break in base structure lumber, along with an inner upright piece.

⇒ Place the Knect brackets every four feet of the base structure, along with an inner upright piece.

⇒ Slide the lumber pieces into the brackets and fasten with the TojaGrid provided screws, ensuring that all of the Quad brackets are flat-side facing inwards and the Knect flange is on the outside of the rink. Make sure to slide the lumber fully into the brackets to ensure the dimensions of the rink are retained for the purpose of an even fit of the Puck Board. Use two screws within the eight holes provided on each connection.

STEP 2: ADDING TOP RAIL

- If you are using 4"x4"x8' lumber for netting and/or lights, use two 3" Deck Screws to attach two 2"x4"x13" pieces to both sides of the 8' uprights in line with the 13" inner uprights to help support the top rail.

- Layout 2"x4" top rail lumber on top of the 13" inner and corner uprights

- Using the 3" Deck Screws, fasten the 2"x4" top rail to the uprights from above

STEP 3: ADDING BOARDS

Fasten Puck Boards to the frame using the provided Puck Board screws. Use 8 screws for each 48" Puck Board section.

- 4 screws across the top into the 2"x4" Top Rail
- 4 screws across the bottom into the 4"x4" Base Structure

One common issue that can occur when making your rink level, is that the boards will not reach both the Top Rail and Base Structure. There is a very simple solution to this problem.

- Screw in the boards into the Top Rail as you normally would
- Cut up spare 4"x4" lumber and use deck screws to screw them down into the Base Structure to act as extra backing for the Puck Board
- Now you can screw the bottom of the puck board into the extra backing

STEP 4: INSTALLING THE RINK LINER

At this point you have assembled the Hockey Rink Kit and are ready to begin making the ice. Be sure to wait for the ground to be frozen and a lengthy spell of cold weather, with the daytime high temperatures below freezing.

1. Inspect the rink area carefully to ensure that it is free of any sharp objects that may damage the liner.

2. Lay out the liner, making sure not to walk on it or drag it across any sharp objects.

3. Using the included roll of adhesive tape, temporarily tape the liner to the puck board. **Be sure to leave slack in the liner so that the weight of the water is supported by the ground and boards, not the liner, as the liner may stretch and tear if not supported.**

4. Using your garden hose, start filling the liner with water.

5. Continue filling your ice rink until the water in the deepest area reaches approximately two inches. At this point, the liner may not be completely covered with water, but it is important to let the water freeze so that the weight of the water does not strain the liner.

6. In temperatures that are only a few degrees below the freezing point, you may have to fill the liner with an inch of water, wait a day for it to freeze, then repeat, until the liner is fully covered, and the ice is frozen solid. However, in very cold weather (below -20C / 0F), the water will freeze quickly, and you can build the layers of ice in as short as one or two days.

7. Once your ice is frozen, use a utility knife to cut off the excess plastic and remove the tape you used to hold the liner up on the puck board.

You are now ready to enjoy
your skating rink!
Use a FloodMaster to maintain
perfect ice all winter long!

Just one more task remains! We've added a RinkMaster Decal to your purchase, perfect for decorating your boards. Once you've figured out the best spot for the decal on your boards, start by pressing down at the center of the sticker. Then, gently smooth it out towards the edges to eliminate any trapped air bubbles. This technique will result in a sleek and attractive decal. This process can be done easily with the help of a friend and an object with a flat surface such as a credit card. Don't forget to share your final photos with us!

Thank you for purchasing a Hockey Rink Kit with us. We trust that these guidelines have simplified the process of creating your rink, enabling you to enjoy countless hours of winter fun with friends and family!

Warranty

QB Enterprises Inc. guarantees for a period of one (1) year from the date of purchase against any and all manufacturing defects of material when used under normal conditions. Should the product, or any part thereof, be defective, QB Enterprises Inc. will, at its discretion, repair or replace it, free of charge. QB Enterprises Inc. will bear the cost of shipping the repaired or replaced item to you. This warranty excludes any liability other than that expressly stated above, including, but not limited to, any incidental or consequential damages.

All primary components are made in Canada.