

HART™



Ring Toss

PROJECT PLAN

Finished Dimensions: 24"W x 8-1/2"H x 7-1/4"D

Skill Level: Beginner

Materials

Item	Qty
1" x 8" x 48" Board*	1
7/8" x 36" Wood Dowel	1
#8 x 1-1/4" Flat Head Phillips Wood Screw	
Sand Paper**: 150g, 220g & 320g	
Drill Bits: 3/32" & 7/8" Spade Bit	
Pool Time Dive Rings 6-Pack (Click here to Purchase)	1

* Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

** Starting grit will depend on board surface condition, a rough surface will require starting with a coarse grit first.

Grit is measured in the coarseness of the particles on the sandpaper. The lower the grit number, the coarser the paper. Heavy sanding would require 60 to 80 grit, medium sanding would require 120 to 220 grit, and finish sanding would require 320 to 400 grit. Super fine sanding would be 600 grit and higher.

A select/premium board or plywood comes with a smoother surface finish. It is clear or has very few tight knots, and it will have straight and sharp edges. This grade of wood pairs well with other boards or panels better and requires less time to sand and finish.

Tools Used



Miter Saw

or



Circular Saw



Drill/Driver



Orbital Sander



Tape Measure



20V 1.5Ah Battery



20V 4.0Ah Battery



Charger



Safety Glasses



7/8" Spade Bit



Drill Bits

Also Needed:
Clamps

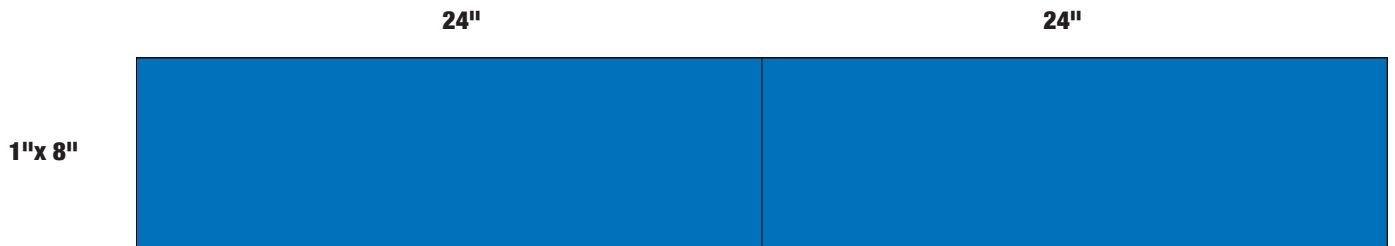
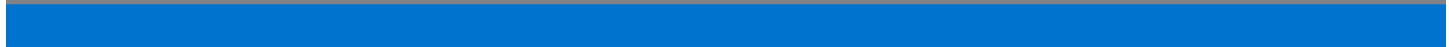
Battery Tip: A 4.0 Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

Lumber Cut List

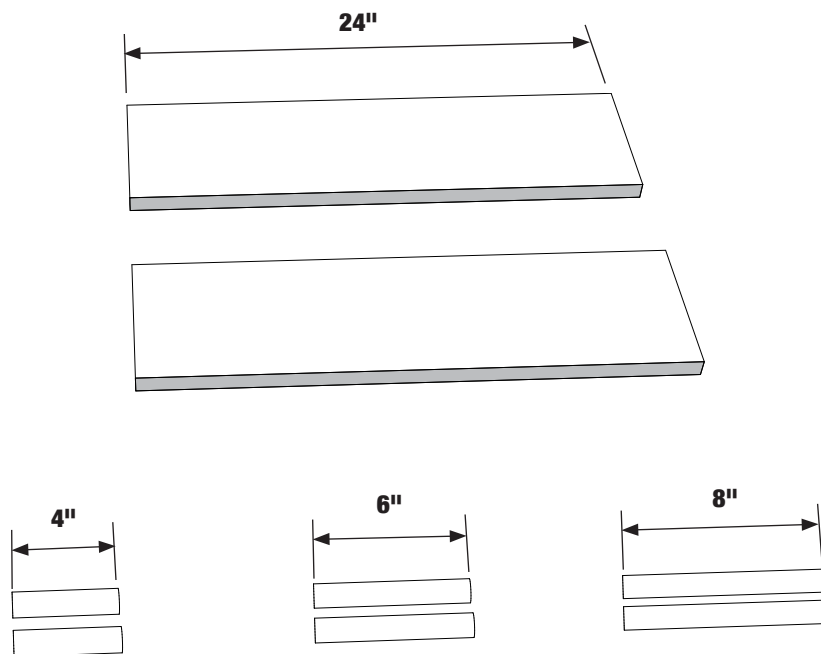
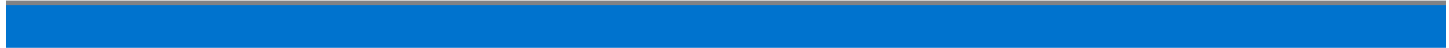
Board*	Description	Cut to	Qty
1" x 8"	Base	24"	2
7/8"	Pin	8"	2
7/8"	Pin	6"	2
7/8"	Pin	4"	2

* Board dimensions are "nominal." Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

Lumber & Sheet Layout Guide



Lumber & Sheet Cut Layout Guide



Assembly Instructions

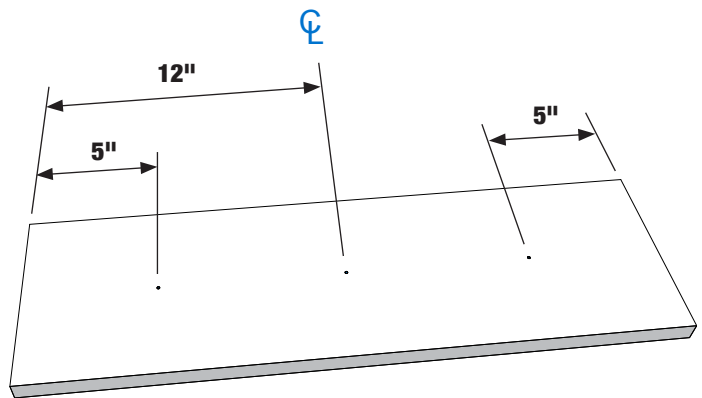
Step 1

Cut out all material using the Lumber & Sheet Cut Layout Guide.



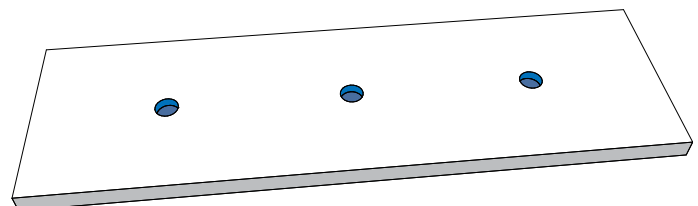
Step 2

Mark (3) points in the center of the base boards. Follow the measurements shown in the diagram.



Step 3

Use a 7/8" Spade Bit to drill a 3/8" deep hole into each point on the base boards. Place scrap board underneath or elevate the base board before drilling. The Spade Bit point will go through the bottom of the board.



Step 4

Before final assembly, sand and finish pieces to your desire.

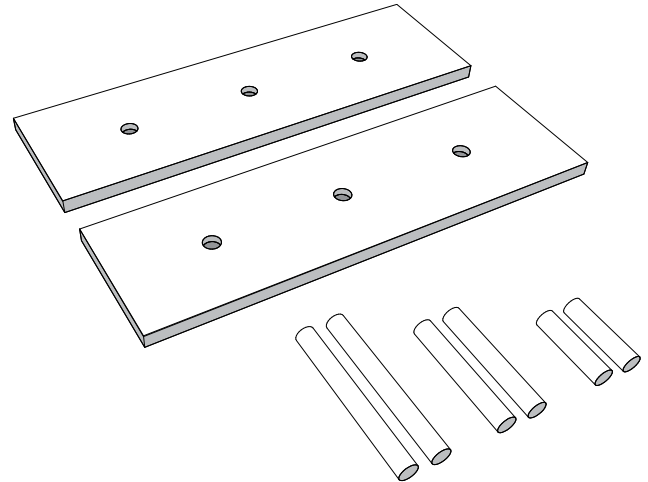
H Rougher finish – Use 60-80 grit sandpaper to hand sand with the grain of the wood.

Smoother finish – Use 60-80 grit sandpaper to remove scratches & imperfections.

Followed by using 120-220 grit to smooth.

Finish Sanding – Use 320-400 grit sandpaper

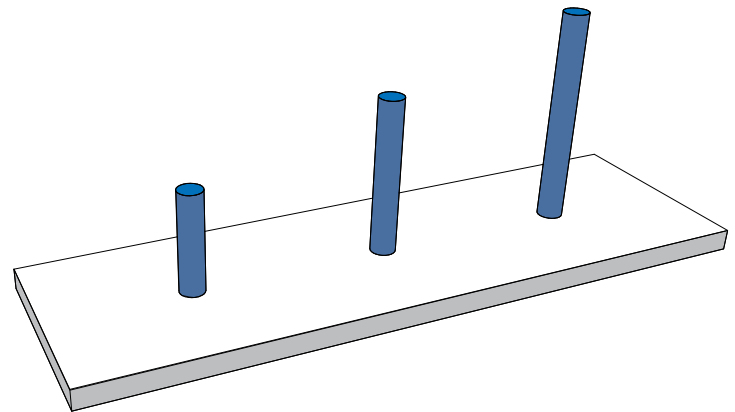
Super fine sanding – Use 600+ grit sandpaper



Step 5

Place a 4", 6", and 8" pin in each hole and attach with #8 x 1/4" wood screws. Repeat on the other base board.

H Tip - To help keep pins from splitting, drill a 3/32" hole in the bottom of each pin. Do this by placing the pin into the 7/8" hole on the base. Flip the base over and use the Spade Bit Hole on the underside of the base board as a guide to drill into the pin.



Step 6

Project Complete!

