

Swish Game Board Construction Guide

Purchase:

- _____ 2 Plywood boards, 2' x 4' 3/8" exterior
- _____ 1 Package of 50 (need 10 per board) 20-24-1 #35169 "Self Drilling Wafer Phillips" screws
- _____ 4 Rubber tips for 3/4" pipes
- _____ 4 Pipe connectors for 3/4" pipes
- _____ 3 Galvanized conduit, 10 ft., 3/4" diameter
 need: 4 – 48" 4+4
 2 – 32 4+3+3
 4+6

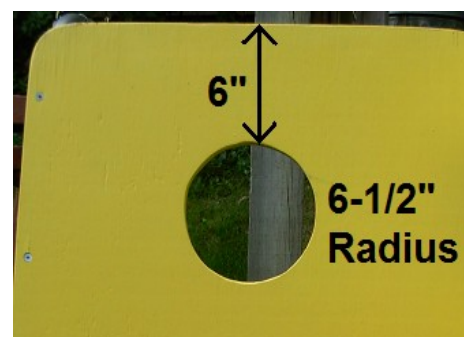
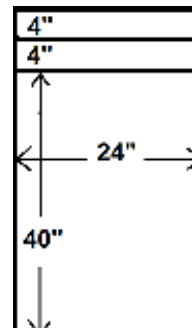
Will have 6' pipe left over for next time.

Tips:

1. Use electric hacksaw to cut pipes – start cut with pipe tool.
2. For 10-24 screw holes:
 Start with 1/8" carbide tip
 Enlarge with 5/32" drill.
 Counter-sink just under head size.

Steps:

1. Cut board to 24" x 40".
2. Cut 2 - 4" x 21-1/2" strips from wood cut off.
3. Screw (8 screws) and glue strips to end of board.
 Center, 1-1/4" from edge.
4. Use 1 quart paint can for corner radius.
5. Cut corners and sand.
6. Hole 6-1/2" diameter (size of a normal gallon paint can!) - 6" from top end - Cut and sand.
7. Prime boards – use white latex primer.
8. Paint boards yellow – Sun Yellow paint from Home Depot (Painter's Touch brand).



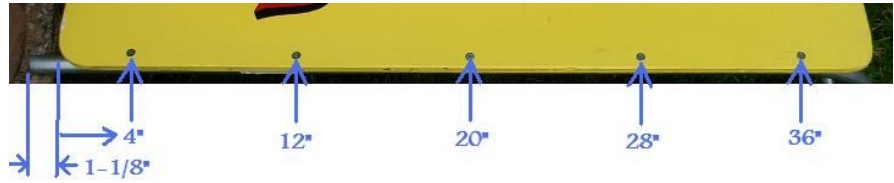
9. Add logo – Use template to trace. Paint is Apple Red. Paint by hand, use matte black for edges.

10. Bend and cut legs (as shown below).

11. Assemble leg pieces, using pipe connectors.

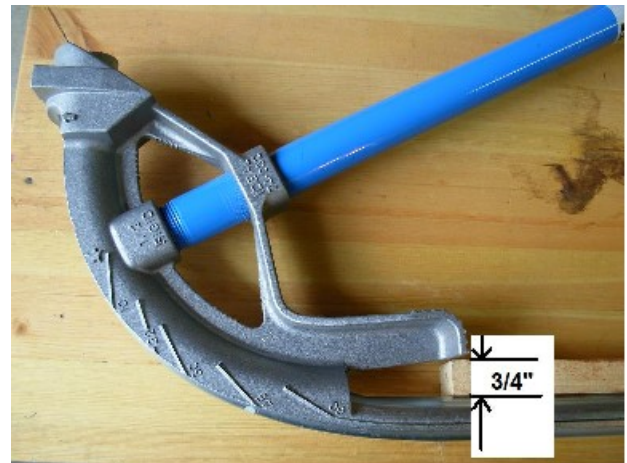
12. Attach legs – 5 screws.
Leave 1-1/8" extending.

13. Add rubber tips.



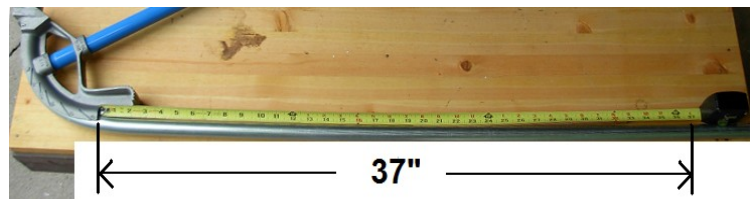
Bend and Cut Legs from Conduit:

1. Make a stub. Use end of tool.
Don't bend all the way
- stop 3/4" short for less than 90 deg.



2. Mark where tool ends, where tool overlaps touching pipe (not end of foot pedal).

3. Measure 37" and cut off.
– Repeat 3 times



4. Start with 32" section and make 6" stubs on each end. Stop bending at 3/8" space for 90 deg.
- Repeat for 2nd connector pipe.

5. Cut all stubs to 6" height.

