

## Acoustic Guitar Stand



### Materials:

- 2 17 7/6" x 14 1/4" x 1/2" plywood board (A)
- 2 11" x 10 3/4" x 1/4" plywood board (B)
- 1 11 3/16" x 5 13/16" x 1/2" plywood board (C)
- 1 10 3/4" x 5 7/16" x 1/4" plywood board (D)
- 1 10 3/4" x 4 15/16" x 1/4" plywood board (E)
- 1 4 15/16" x 3 1/2" x 1/4" plywood board (F)
- 1 11" x 5 3/4" x 1/8" HDPE plastic sheet
- 2 2 1/2" PVC pipe 6" long
- 1 3" Dia. 1lb lamp weight
- 2 self-adhesive pick holders
- 1 Drawer pull with hardware

Wood glue  
Wood screws  
Wood putty  
Foam tape  
Double-side adhesive tape  
Sand paper  
Wood stain  
Polyurethane  
Paint brushes  
Steel wool  
Clean white rags

### Tools:

Router with bits  
Jigsaw with blades  
Drill with bits  
Compass with pencil  
Screwdrivers  
Yard stick

### Procedure:

Mark both boards A with center points for PVC pipes according to sketch.

Use compass to mark 2 1/2" inner circles for pipes on both boards A, and 2" radius circles for edges on one board A only.

Draw line from bottom edge to intersecting edge of forward circle on same board A and use compass to mark large  $9\frac{1}{4}$ " radius in between 2" radii on same board A.

Use jigsaw to cut out shape of marked board. Trim and sand to shape. Use completed board A to mark outside edges of second board A. Cut, trim, and sand to match.

Use router to cut  $\frac{1}{8}$ " deep grooves inside  $2\frac{1}{2}$ " inner circles for pipes. Check pipe fit, trim, and sand grooves as necessary.

Drill screw holes into the base of both boards A. Glue pipe ends into grooves of both boards A and screw board C into base of A using wood screws. Let dry.

Mark one board B with  $9\frac{1}{4}$ " radius from top 4" side to front  $3\frac{1}{2}$ " side. Use jigsaw to cut out radius.

Trim and sand edge to shape and mark on second board B. Cut, trim and sand to match.

Drill two screw holes in front and bottom of both boards B, five screw holes in sides and bottom of board E and holes for drawer pull in center of board E.

Screw board D to bottom, board F to front, and board E to back to complete drawer.

Sand both pieces smooth, clean, stain, and lacquer. Use steel wool to buff and repeat lacquer if necessary.

Secure weight to front of drawer with screws and attach drawer pull with hardware. Wrap pipes with foam tape and use adhesive tape to attach plastic sheet to top of board C. Enjoy!

