



# Roller Guides

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## INTRODUCTION

[Sketchup Model](#)Note: Model doesn't show the proper bolts for the bearings. Additional Materials Required:\* V-Groove Bearings (2)\* 1/2"x 2.5" Bolts (2)\* M12x55mm Bolts (4)\* M12 Nuts (4)\* Washer, Lock 12mm (8)

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### TOOLS:

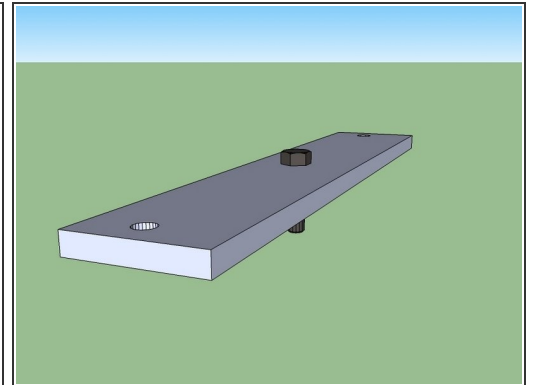
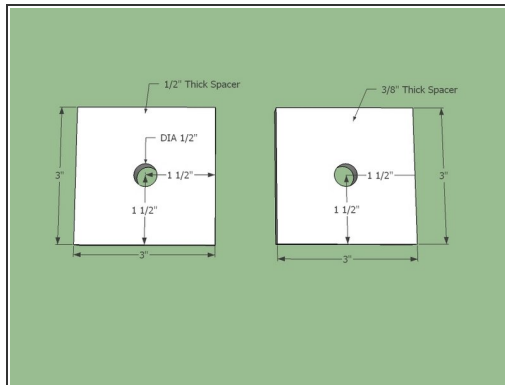
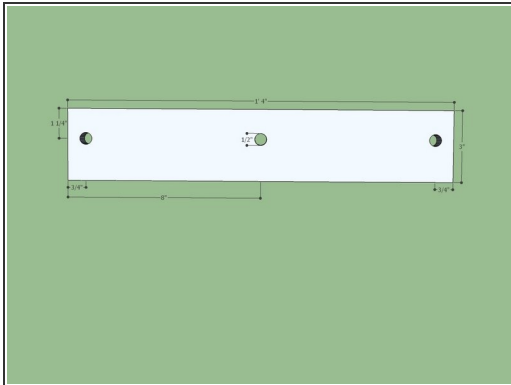
- [Angle grinder](#) (1)
  - [hole puncher](#) (1)
  - [Welder](#) (1)
  - [Wrench](#) (1)
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## Step 1 — Grind the bolts



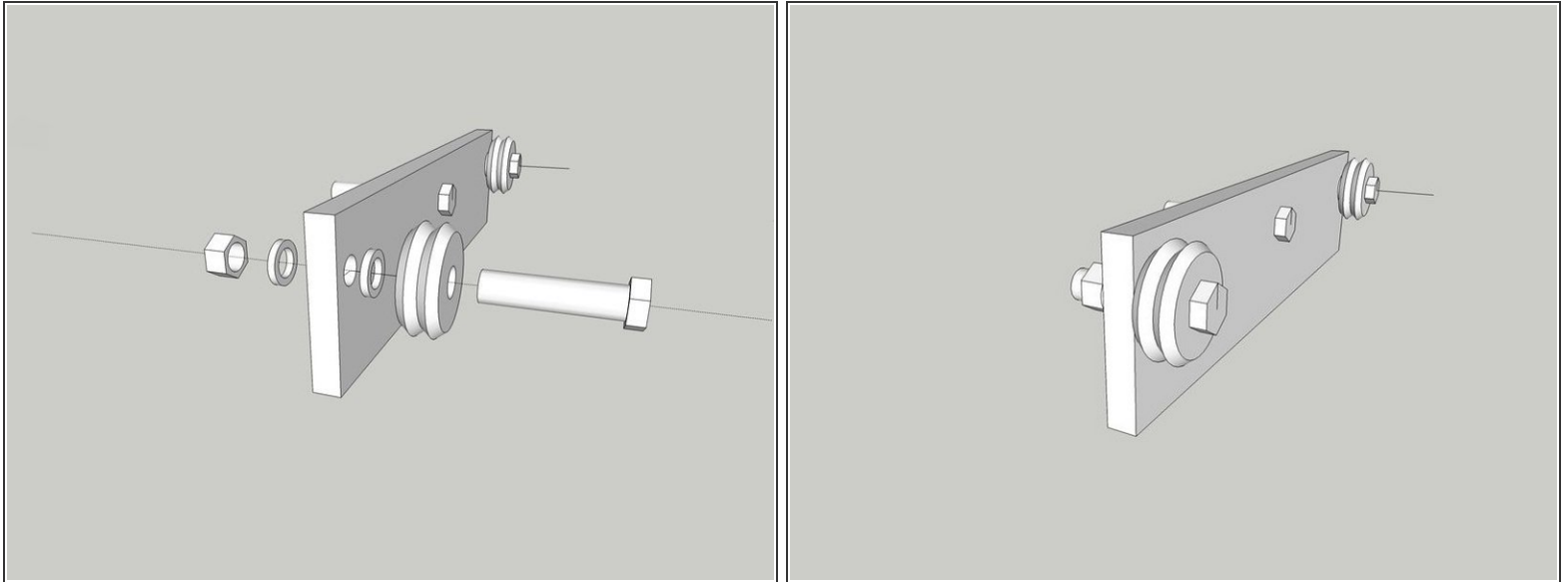
- Grind off the top of the 12mm bolts so that the head is 1/4" thick or less.
- This is so that the bolts will not be touching the drawer as it slides in and out.

## Step 2



- Punch the holes in the main plates and the spacer plates.
- Weld the 1/2" bolts in the center hole, from the bolt head side.

### Step 3 — Assemble



- Assemble the bearings to the plate as shown, with lock washers on each side of the main plate.