

DIY Rail Block

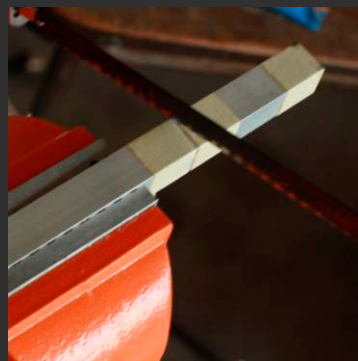
All parts and tools found in Lowe's, Home Depot.

CAUTION! Always observe safety practices in your work place.
Use proper tools and protective gear for your hands and eyes.

By: Ted Ramasola
www.ramasolaproductions.com



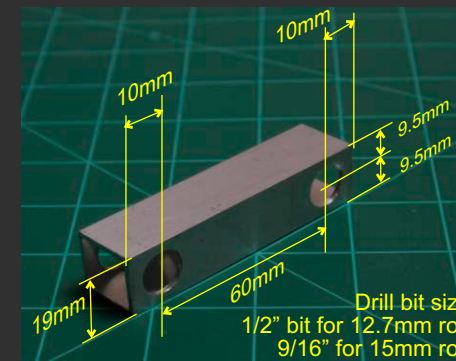
Square aluminum tube 1/16" thick 3/4" sides and steel flat bar 1/8" thick 1 1/2" wide.



Using a hack saw cut an 8cm piece of the aluminum tube.



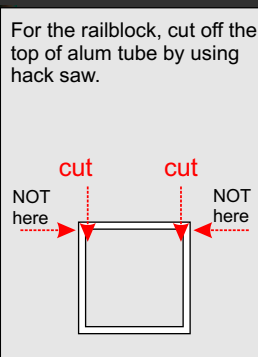
Also with the flat bar, cut an 8cm piece with the hack saw.



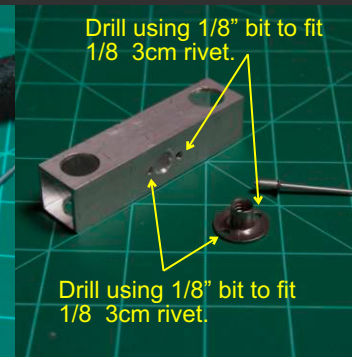
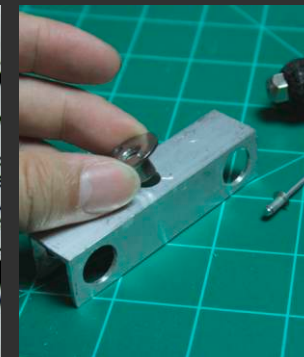
Drill 2 holes through the tube 60mm apart for the tubes. Center them properly.



Cut off the top of the tube and drill a hole on the bottom center for a 1/4" tee nut to go through. Drill also the center of flat bar.



A 1/4" tee nut-brad hole will act as our fixed nut on the bottom of the rail block.



Using a 1/8 bit, drill 2 holes on the bottom of the tube. Align these with the 2 holes on the tee nut. Do this by fitting the tee nut into the 5/16" hole first, clamping it down then drilling through the holes of the tee nut as a guide.



Using a rivet tool, fasten the tee nut with 1/8 rivets to the bottom of the rail block.



Choose between a winged screw left, or a thumb screw on right as a fastener to hold down the flat bar. I use both at 1/4 diameter and 3/4 length.



Don't forget to file down the edges of the finished rail block prevent cuts and injury.