



◀ **ANDY WEYENBERG**

Andy Weyenberg began welding at his father's business a few years before joining the Army. After going to school for Electro-Mechanical, he started working for Miller Electric Mfg. LLC as a technical service rep and training instructor. Andy has built and raced stock cars since he was a teenager — and now builds high-performance street vehicles while also managing the Miller motorsports program.

SKILL LEVEL: Beginner
TIME COMMITMENT: 1-2 hours

/ **TOOLS AND MATERIALS**



Miller® Multimatic® 220 AC/DC multiprocess welder



Flat stock (1-1/2" x 1/8") - cut to 6" long



Flat stock (1-1/2" x 1/8") - cut to 4" long



Flat stock (1-1/2" x 1/4") - cut to 1" long (Qty. 2)



Bolts (5/16" x 18" x 1") (Qty. 2)



Belt sander or grinder



Hammer



3/4" holesaw or Rotabroach drill



Band saw, reciprocating saw or jigsaw



Letter F (.257) or letter G (.260) drill bit



Aluminum square tubing (1" x 1" x 1/8")

WARNING: READ AND FOLLOW ALL LABELS AND THE OWNER'S MANUAL.

TIG TORCH HOLDER

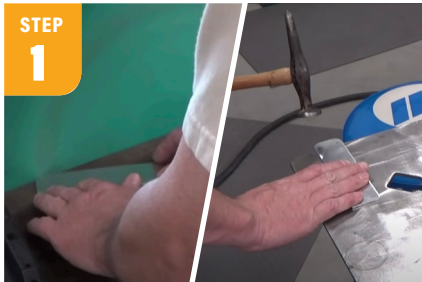


AS SEEN ON REAL GARAGE

[YouTube.com/RealGarageWithAndy](https://www.youtube.com/RealGarageWithAndy)

Learn how to declutter your welding table by creating a holder for your TIG filler metal, TIG torch and welding helmet.

STEP BY STEP



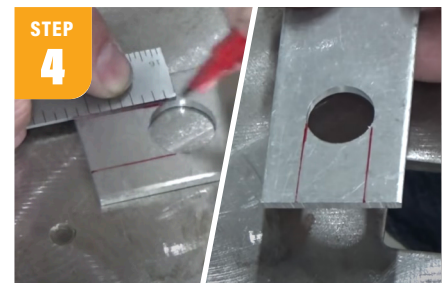
STEP 1
Take your 6" flat stock piece and round the corners using a belt sander. Then grab your hammer and bend about a 1/2" lip on that piece — this will help keep the helmet from slipping off.



STEP 2
Using the same 6" flat stock, measure and draw a line 1" from the edge of the flat side.



STEP 3
Grab your 4" flat stock piece and measure 1-1/8" from the end. Drill a hole in the center using a 3/4" holesaw.



STEP 4
After you drill the hole, draw two lines from either edge of the circle out to the short side of the piece.

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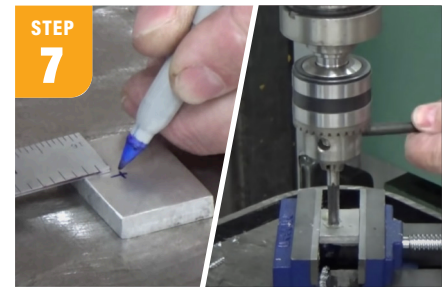
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STEP 5
Using a band saw, cut out the area you just drew and then deburr the sharp edges.



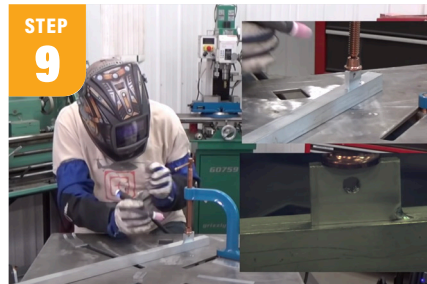
STEP 6
Deburr and chamfer the legs so the TIG torch slides in smoothly. Then use the hammer to bend a lip on the end to hold the TIG torch.



STEP 7
Grab the two 1-1/2" x 1/4" pieces and mark from the center of the 1-1/2" side 3/8" from the end. Drill with letter F (.257) bit and tap with 5/16" x 18 tap. Using the drill press to hold the tap and manually turning it will make a straighter tapped hole.



STEP 8
Take your 1" square tubing and decide where you want it to attach to the table and where you want your helmet and torch hangers. Keep in mind any obstructions under the table that would interfere with the clamping bolts. Wire brush the tube where you will be welding and wipe clean with acetone.



STEP 9
Take your 1" flat stock pieces and tack weld the outside corners to the tube using the Multimatic 220 AC/DC in Auto-Set™ mode, set for 1/4". Then weld on the opposite side of where the hanger bracket will weld. I am only welding one side of the piece as I will be using it on different tables with different thicknesses, so I don't want the weld to interfere with fitting tight to the table.



STEP 10
Weld the TIG torch and helmet holder flat stock pieces to the tubing using the 1/8" setting in Auto-Set mode. (You may want to turn up the amperage slightly.)



STEP 11
Screw the 5/16" bolts into the 1" pieces and attach them to the table.



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millerwelds.com/resources/newsletters

