

Spark Your Project

How to MIG Weld a Fire Pit

Tools & Materials Needed:

- Hobart® Handler® 210MVP™ MIG Welder
- Hobart® Airforce® 27i Plasma Cutter
- 12 - 1" x 2" x .065" Square Tubing
- 4 - 1" x 1" x .065" Square Tubing
- 8 - 1.5" x 1.5" x 1/8" Angle Iron
- 1 - 4' x 4' x 3/16" Steel Sheet

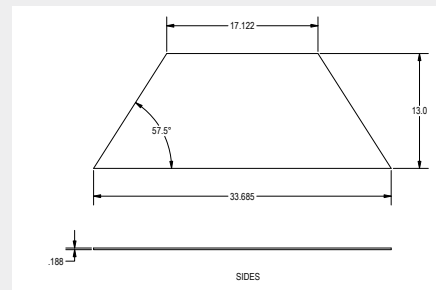
Optional:

- Scrap metal
- Grinder
- Clamps
- Paint



Material Dimensions

- **Top Frame:** 4 - 1.5" x 1.5" x .125" angle iron x 36" L (cut ends at 45 degrees)
- **Legs:** 4 - 1.5" x 1.5" x .125" angle iron x 18" L
- **Side Vertical Supports:** 4 - 1" x 1" x .060" tubing x 33.5" L
- **Side Bottom Supports:** 9 - 1" x 2" x .060" tubing x 8.5" L
- **Bottom Leg Supports:** 4 - 3" x 3" x 3/16" flat stock (optional if fire pit place on soft surface)
- **Pit Sides:** See drawing



Steps:



STEP 1
Cut 3/16" plate pieces.
Tip: Use a straight scrap piece of metal to help create straight line.



STEP 2
Cut tubing and angle iron to length. Then cut a 45-degree angle in top four edges of angle iron.



STEP 3
Use a grinder to bevel edges



STEP 4
Clamp two corners down to table and make sure it is square.



STEP 5
Tack weld corners into place.



STEP 6
When all four corners are tack welded, flip over and make sure you are squared.



STEP 7
Weld the top of each corner.



STEP 8
Grind to make smooth.



STEP 9
Tack legs into corner on the inside of the frame to hide corner welds.



STEP 10
Begin building the fire box by placing the bottom square on the table and tack weld each side of the box.
Tip: When placing the sides of the fire pit together you are going to want some assistance holding up the sides.



STEP 11
With frame and firebox upside-down on the table, place the firebox inside the frame.



STEP 12
Tack, square, and weld the firebox to the frame.



STEP 13
Weld the decorative side pieces.
In video: Place 1" x 1" x .065" tubing horizontal on table with three pieces of 1" x 2" x .065" tubing standing on top. Weld together.



STEP 14
Turn fire pit on its side so it is easier to weld decorative sides in.

Full Video:
<https://youtu.be/8etvOdPLjMQ>
For more project ideas visit
HOBARTWELDERS.COM

