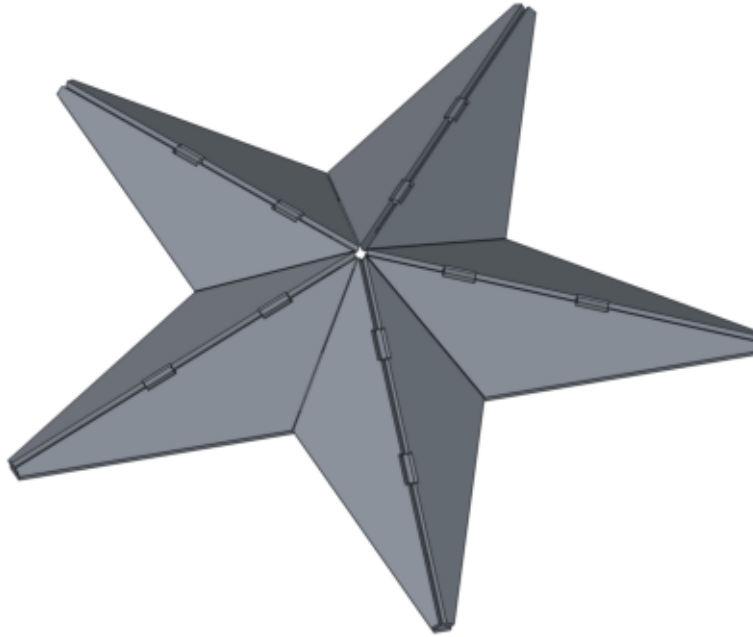
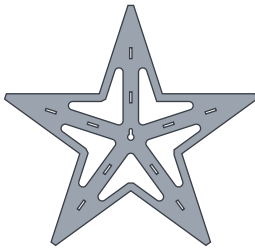


Lone Star Barn Star, 18 in

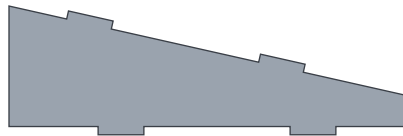


The classic Texas barn star, in steel you weld yourself. Ten laser-cut 10 ga facets rise to a point over five ribs and a back plate, and every facet drops onto tabs that put it in exactly the right place. 18 inches across, it hangs on one screw.

What's in the box



Back plate x1
Part BS18-01



Rib x5
Part BS18-02



Facet x10
Part BS18-03

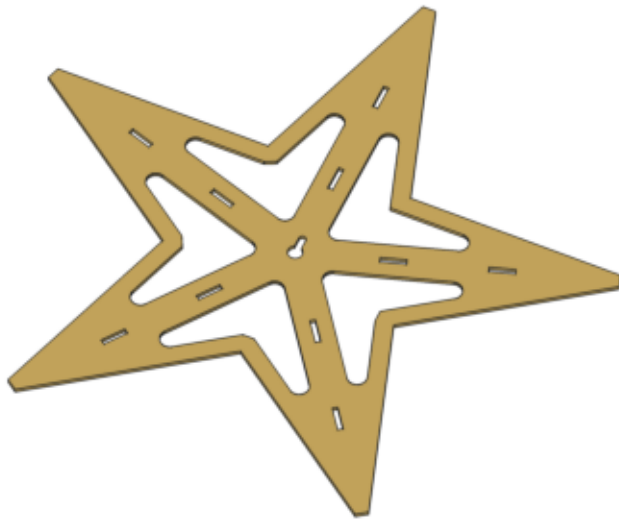
What you'll need

- MIG or flux-core welder (a 120 V machine handles 10 ga)
- Angle grinder with a flap disc and wire wheel
- Rubber mallet
- Welding helmet, gloves, jacket and safety glasses

Lone Star Barn Star, 18 in

1

Lay down the back plate



Lay the back plate flat on the bench. Either side can face up.

TIP

Work on a flat surface so the star doesn't rock when it's done.

2

Stand the five ribs



Push each rib's two bottom tabs into a pair of slots that run out to a point, tall end toward the center. The tabs are off-center, so a rib only goes in the right way round.

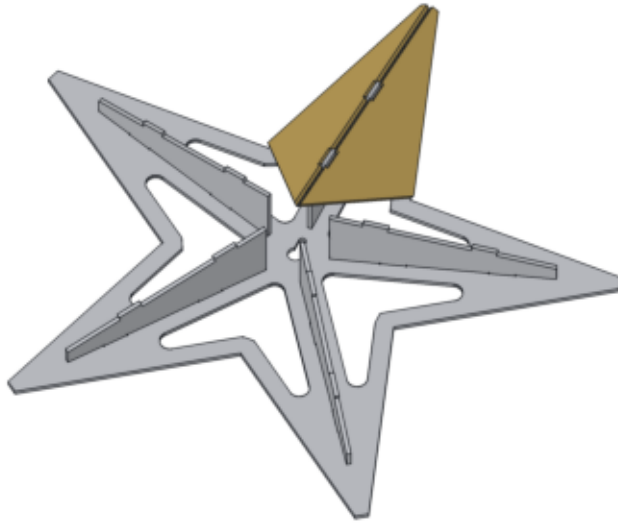
TIP

Tap them down with a mallet so the tabs finish flush underneath.

Lone Star Barn Star, 18 in

3

Set the first point



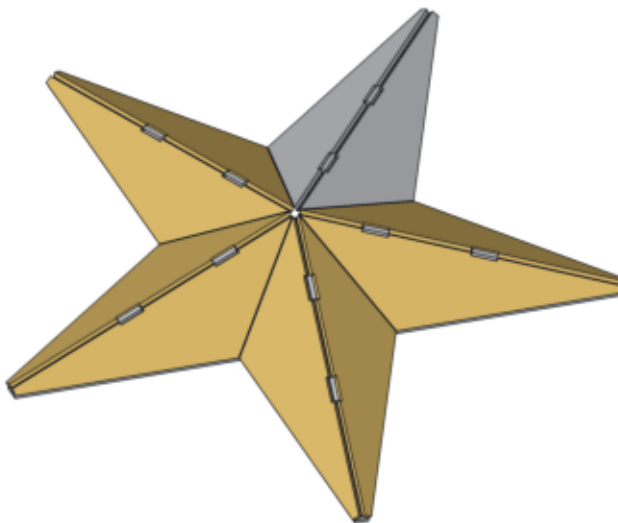
Pick a rib. Lay a facet on one side of it so the two notches in its long edge drop over the rib's two top tabs and its short outside edge sits on the back plate's outline. Turn the next facet over and set it on the other side of the same rib.

TIP

All ten facets are identical. Each point takes one face up and one turned over.

4

Set the other eight facets



Work around the star, two facets per rib. Where two points meet, the short edges of their facets close up into a valley. Tack each facet to the rib tabs and to the back plate.

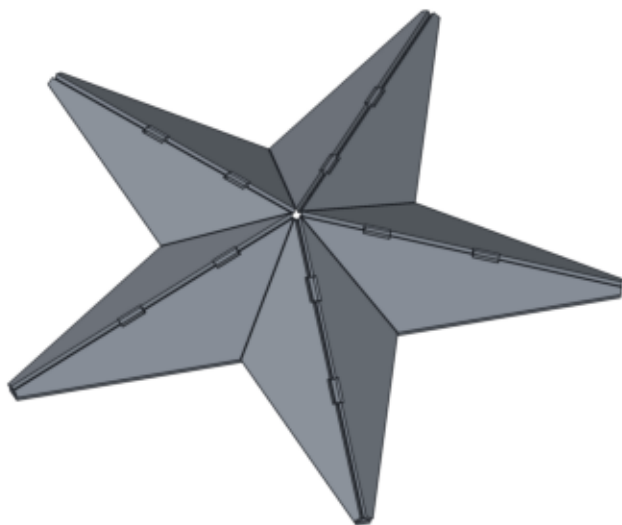
TIP

Tack lightly and move around the star; the facets are thin enough to pull if one spot gets hot.

Lone Star Barn Star, 18 in

5

Weld it out



Run a bead up each of the five ridges, where the rib tabs disappear into the weld, and down each of the five valleys. Stitch the facets to the back plate all the way around, and fill the small opening at the center point.

TIP

Grind the ridges with a flap disc to sharpen the star's lines.

Lone Star Barn Star, 18 in

Finishing

- The parts ship bare with a light oil film. Wipe them down with a degreaser before welding.
- For a rusted barn look, leave it raw outdoors, or speed it up with a vinegar, peroxide and salt spray, then seal it with clear coat.
- Or paint it: barn red, flat black or galvanized silver. Prime first if it lives outdoors.

Safety

- It weighs about 10 lb. Hang it on a screw into a stud, or on a wall anchor rated for 25 lb or more.
- Grind the tip flats and the edges smooth; steel points can cut.
- Weld in a ventilated area cleared of anything that can burn, and let the star cool before handling it.

This is a kit of raw steel parts. You build the finished product, and the quality of your welds and your judgment about where and how you use it are yours. Weld with proper ventilation and protective gear.