

Lightweight Vine Trellis

12/30/25

This trellis is ideal for lighter vines like peas, pole beans, cucumbers, annual vining flowers, or cherry tomatoes. For heavier plants like slicing tomatoes, winter squash, and perennial vines, consider using the heavy-duty trellis.

What Comes in the Kit

- 8 EMT cross connectors
- 10 EMT caps
- 10 Snap Clamps
- Plastic trellis netting 6'x20' optional

Tools to Have on Hand

- Metal saw
- Power drill
- Measuring tape
- Marker
- 9/16 deep socket driver
- Hammer
- Twine or zip ties

What You Will Need to Buy Locally

- 2 or 3 pieces of 10-foot x $\frac{3}{4}$ inch EMT pipe depending on your desired height and optional feet.
- Optional, 2-2' sections of $\frac{1}{2}$ rebar to secure the structure. See the instructions below.

Cutting Pipe Lengths

Decide how tall and wide you want your trellis to be. For the rest of these instructions, we will assume a desired height of around five feet since most people are comfortable picking at that height and a width of four feet to fit the average raised bed. You can customize this size by changing the length of the uprights and cross pieces. You will need two upright supports and two cross bars.

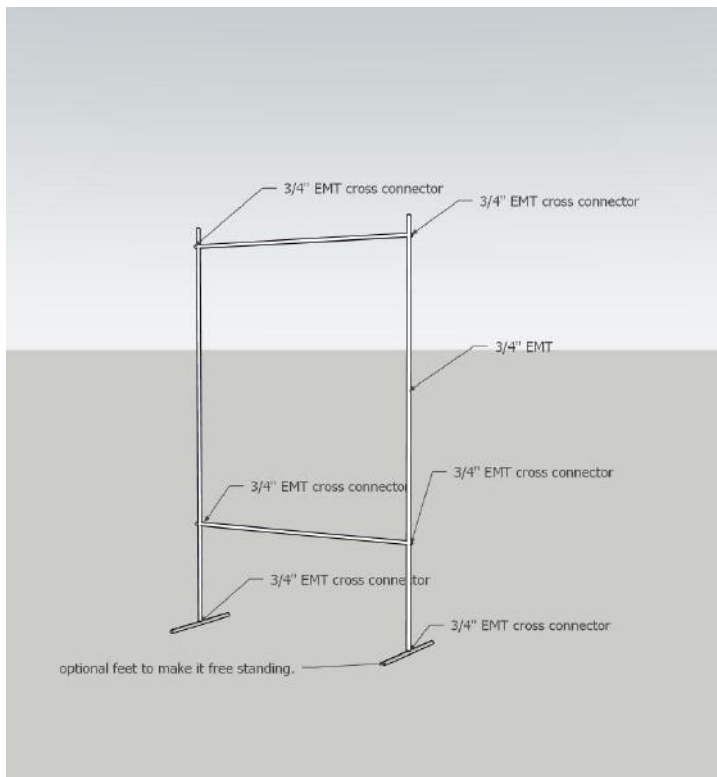
There are three ways to place your trellis once it is complete.

- You can insert the uprights 12 inches into the ground.

- You can build the optional feet shown on the drawing.
- Alternatively, you can sink 2' sections of ½" rebar into the ground and place the legs of your structure over them.

Which method you use will depend on the hardness of your ground and the desired location of your trellis.

1. Mark both of the pieces of EMT at 4' from the end.
2. Cut each piece along the marks. This will result in four pieces: two 4' sections for the cross bars and two 6' sections for the uprights.
3. If you are building the optional feet you will also need to cut two more pieces of EMT that are 2'-3' long.



Building the Trellis

In these steps, you will complete the construction of the trellis flat on the ground before moving it into its final spot. If your planned installation location is soft enough to easily push a piece of EMT 12 inches into the ground, proceed with the instructions below.

If the ground is particularly hard you can either use two 2-foot sections of ½ inch rebar hammered into the ground to slide the trellis uprights over. Alternatively, you can build the optional feet.

1. Remove the nuts and bottom supports from the cross connectors.
2. Place the six inches from the end cross connectors under the two uprights with the open end facing up.

3. Place one crossbar perpendicular to the uprights and attach using the bottom supports and nuts.
4. Place the second set of cross connectors 12 inches from the opposite end of the uprights and attach the second crossbar. This is now the bottom of your trellis
5. Hammer EMT caps into the top ends and cross bars. Leave the bottom ends of the EMT open unless you are building the optional feet.
 - a. For the optional feet, use the small sections you cut earlier and one cross connector per upright to attach the feet at a 90-degree angle from the cross bars.
 - b. Hammer EMT caps into all open ends.
6. Place your trellis netting up and over both crossbars and secure it using provided snap clamps.
7. Move your trellis into its final location. If you did not build the feet, secure your trellis by pushing it 12" into the ground until the bottom cross bar is at ground level or by sliding it over ½ rebar hammered 12" into the ground. If using the rebar you may want to adjust the height of the bottom crossbar.