

DIY Greenhouse Roll-Up Side Curtain Kit

Rev. Date: 5/22/26

With this Greenhouse Roll-Up Side Curtain Kit, naturally venting your greenhouse can be done with ease. This kit includes a roll-up side setup for each side of your hoop house. Venting your greenhouse not only cools the temperature but also helps improve the health of your plants by increasing air flow.

Parts List - Kit Components

- (2) Roll-up cranks - one for each side of the hoop house
- Spring wire & lock channel for hip board
- Snap clamps every 2' used to attach the plastic to the conduit
- Eye bolts for tie-down ropes
- ¾-inch Inner EMT Couplings
- ¾" EMT, (needs to be purchased locally) you will need 2 X the length of your greenhouse plus at 20 extra feet.
- ½" EMT, (needs to be purchased locally) you will need 2 pieces 2' each
- #8 Screws

Recommended Tool List

For your safety: Take all necessary precautions when using power tools and building equipment. Personal protective gear such as gloves, eye protection, earplugs, and closed-toe shoes are recommended.

- 2 adjustable wrenches
- Drill with a 1/4-inch bit for drilling into 3/4-inch conduit
- Metal saw
- Single Jack (3-pound hammer)

Installing Guide Rod

1. Drive 1/2" x 2' EMT into the ground 2' from the house on the x to help secure the 3/4" hand crank guide rod. (One for each side)
 - a. NOTE: Instructions in the hand crank box ask you to put the crank less than 2', however, we have had better performance 2' away from the building.
2. Place 3/4" x 5' EMT on the 1/2" and gently drive into the ground until the top reaches your hip board height.
3. Connect your EMT pieces together and secure at each connection point with a #8 self-tap screw.
4. Place your snap clamps next to your long EMT sections to use during the covering process.

Installing Hand Crank

1. Slide the winch over the upright guide rail with the handle facing towards your greenhouse.
2. Slide the EMT you will attach your plastic onto the winch.
3. Mark where you need the hole and drill with 1/4" bit all the way through the EMT
4. Attach EMT to the winch with the included bolt. This can typically be done by hand.
5. Attach the hand crank to the opposite side of the winch with the included hardware.



Scan QR for info on How Sidewall Hand Cranks work

<https://www.youtube.com/watch?v=nTIHxEvmU9k>



Scan QR for info on installing Sidewall Hand Crank or visit

<https://www.youtube.com/watch?v=gIbGvzKzfzA>

Installation of Plastic & Strapping

1. Roll the end of the plastic onto the long EMT pipe you made earlier. Make sure you roll it under the pipe as shown in the diagram below so that the rolled plastic does not collect rainwater.
2. Install the snap clamps every 18" or so with the ends a little closer together. The first time you slowly roll it up, it will likely not roll up evenly. As you roll it up and down, you will pull down on the higher parts to tighten up your roll.
3. Roll it up and down a few times during this process, and it will work out the loose sections and become straighter.
4. Install eye bolts on every other hoop, alternating between the hip boards and baseboards to create a zig-zag pattern. These will serve as attachment points for the strapping material. (See diagram on next page)
5. String paracord or strapping through the eyebolts to keep the side from billowing in the wind when partially rolled up.
6. Tighten all bolts with wrenches.
7. Repeat the process on the opposite side.

Note: If the sidewall ever fails to lift down the full length of the greenhouse, check the coupling connections on the sidewall EMT conduit. If the coupling slips, the metal will fail to hold the plastic as uniformly and securely as it should.

