

Critter Guard - Line Guard Installation Instructions

Prior to installation please review all the instructions listed below. This product must be installed by an electrical lineman or qualified electrician. The line does not require de-energizing.

Product Placement:

- For substation applications place the Line Guard at least 5 feet outside the substation fence.
- For other installations place the Line Guard two feet out from the pole or standing structure.

Material list for installation of (1) Line Guard.

- a. (2) Polypropylene “L-brackets” to be placed on the line at each end.
- b. (6) Stainless Steel ties.
- c. (2) 5/16 inch wide, worm drive, stainless steel, conductor clamps with 1/4” hex/slotted head used for securing the L-brackets to the conductor line.
- d. (2) 12 inch diameter polypropylene wheels.
- e. (10) Polypropylene roller halves. Ten halves make five rollers when assembled around the conductor or service line.

Step 1: Positioning the first “L-bracket”

Place the first L-bracket on the underneath side of the conductor line (see placement above) with the slotted openings parallel to the conductor. The non-slotted or smooth side points to the ground at 90 degrees. Secure this L-bracket to the conductor using (2) stainless steel ties threaded through the slots and (1) 5/16” conductor clamp placed between the slotted openings. Insure that the L-bracket is tightly secured against the line to prevent it from sliding up or down the line.

Step 2: Determine the diameter of the conductor line.

If the diameter of the line is less than 1 inch, proceed to step 3.

If the diameter is greater than 1 inch you will need to enlarge the end openings of the roller halves. With a utility knife enlarge the opening by trimming (cutting) at the 2 inch or 3 inch marking found on the inside of each roller half so they fit comfortably around the conductor and spin freely.

NOTE: Removal of the cutout for a 3” opening will also remove the end snaps. This will not affect the integrity of the product.

Step 3: Placing the Rollers on the Conductor:

Before placing the rollers on the line, take two opposing roller halves and snap them together only on one side using all four locking snaps. Next place these two halves around the line and snap the opposite sides together. The roller will not unsnap once locked together. Do this until all five rollers are in place around the line. Do not use fewer rollers than indicated.

Step 4: Positioning the Wheels on the End Rollers:

The two wheels are positioned on each end roller next to the L-brackets. To position slide the center opening of the wheel over the end of the roller. Spread apart the wheel at the slot and place over the wheel-keeper tab and end snaps. Close the slot by synching a stainless steel tie at the base of the wheel close to the roller. This will prevent the wheel from sliding off by holding it tight against the roller. Use the same procedure for each wheel.

Step 5: Positioning the second “L-bracket”

Slide all five rollers with attached wheels next to the initially installed L-bracket (step 1). Install the second L-bracket like you did the first one. Make sure the smooth, flat surface rest against the fifth roller and that all rollers are free to spin independently without binding.

This concludes the installation of your no-access Line Guard from Critter Guard, Inc.