

Saw-cut Installation Instructions*

Preformed saw-cut installation tips and directions

Saw-Cut Instructions



Do not remove the cable tie above the yoke.

Determine and mark loop position and footprint to include lead-in run to gate operator. If the pattern is too large the loop will not fit, so make your measurements slightly smaller than larger, excess can be placed in the yoke area. Corners should be marked with a 45° dog-ear cut that measures 5½" x 5½" x 7¾". See reverse side of this sheet for a template. Be sure to use the correct loop size.*

³/₁₆" or ¼" saw-cut blade with a minimum depth of 1 ¼" and a maximum of 1 ¾" is recommended. Cut into the installation surface following the marks previously made. No backer-rod is required if using a ³/₁₆" saw-cut blade, but when using a 1/4" saw-cut blade use backer-rod or wrap electrical tap every 2-3' to serve as backer-rod.

A wider groove is needed for the yoke (where the loop meets the lead-in). Drop the twice to make a "V" cut, the V cut should be 1.5" wide at its widest point and 8"-10" in length.

Prepare to insert the loop into the saw-cut groove. Start by positioning the red line on the loop (mark made at the factory) at the corner opposite of the yoke. **Do not fully insert the loop into the saw-cut groove at this time.** Partially insert the loop into the saw-cut groove, red side down, adjusting the position of the loop to fit the yoke. After aligning the yoke start at the red mark opposite of the yoke, fully push the loop into the bottom of the saw-cut groove, do not use

a tool that has a sharp edge. BD Loops recommends the use of its PR-3/16" (Pizza Wheel) to push its saw-cut into saw-cut grooves.

Seal saw-cut groove with a proper loop sealant, use of a ³/₁₆" saw-cut blade can save 50-60% on loop sealant because of built-in backer-rod. Weather, humidity, and temperature will determine which type of sealant to use. Apply loop sealant to a dry and clear surface, use of the BD Loops Groove Cleaning Air Wand can help remove debris and dry the groove quicker. Use a ³/₁₆" sealant tip to effectively fill the groove from the bottom up in one pass.

Harness Wire: Solder all connections

Plug/Screw Connectors: Tin all connections

Basic loop layout guidelines to follow

- Reverse and Exit Loops
- 4ft from the gate/door.
- Swing gates require 4ft from its complete open and closed position.
- 0-2ft from each curb.
- 4ft from every other loop.

Shadow loops

- Loop lays under the swing path.
- 3-4ft from the gate in its complete open and closed position.
- If the shadow loop is under a single swing gate, 0-2ft from the curb.

Detection height of loop is determined by 2/3 of the short leg of the loop.
Residential 4ft short leg (Detection of standard size vehicles only - 32" detection height).
Commercial 6ft short leg (Detect higher bed vehicles – 4ft detection height).

**** Need help determining your layout?**

BD Loops Loopalator- The Loop Layout Calculator

Visit our website to learn more, and download your own free copy of the Loopalator – The Loop Layout Calculator. Just by knowing the driveway width, type of gate, and type of loop (direct burial or saw cut) you can easily calculate the sizes of loops needed for any job, and print out a detailed layout plan to give to installers.

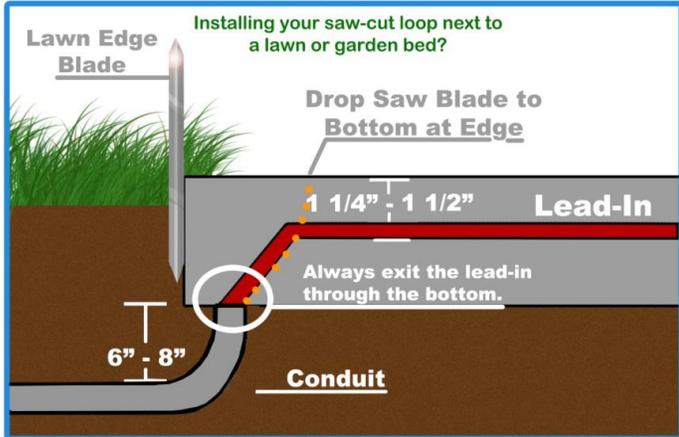
*Check BDLoops.com for the latest installation instructions & product literature

How to properly exit the roadway

- Drop the blade to the bottom at the edge of the roadway.
- Always exit lead-in through the bottom.
- 6-8 inches below the bottom of the surface material.
- **Always run lead-in through PVC conduit. If you have a gopher problem lead-in can be run in metallic conduit.**

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The Loop Experts

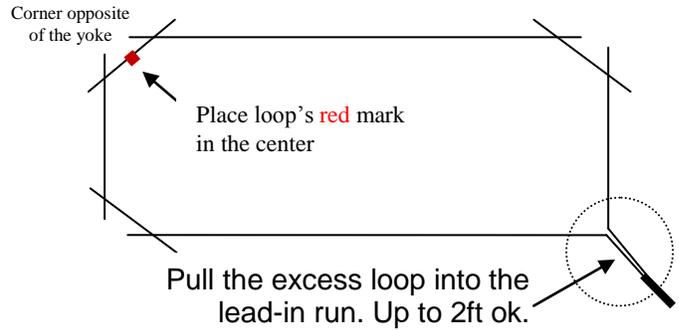


Lead-in should be run 6"-8" below the surface. Always run the lead-in through conduit

Learn more about
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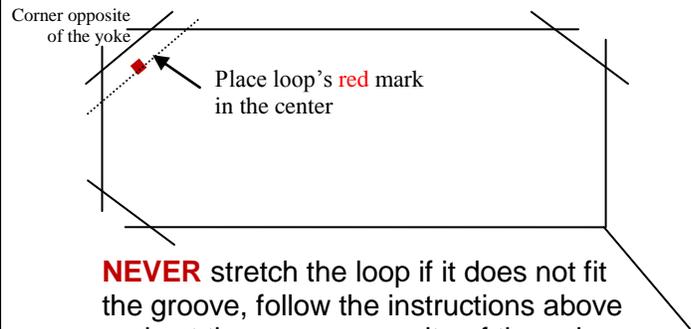
Made the cut too small?

Push the yoke down the lead-in run, up to 2 ft.



Made the cut too large?

Cut the dog ear corner opposite of the yoke to make the loop's perimeter shorter.



Instrucciones ESPAÑOL

Scan this or visit:
www.bdloops.com/bdloops_downloadsB.html

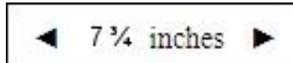
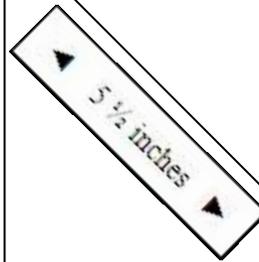
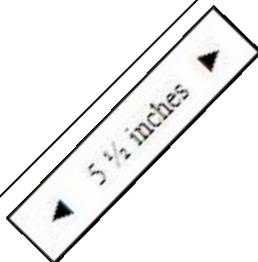


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Dog-ear 45° cut-out template

5 1/2 x 5 1/2 x 7 3/4 inches.

Cut out the picture and use to mark the corners for the saw-cut or make a wood block the same size.



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