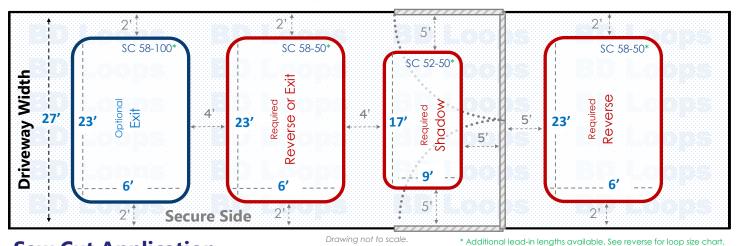
## **Double Swing Gate** Driveway Width: 27'



**Swings In** 

# **Loop Layout**

For Detecting Commercial and Residential Vehicles



## **Saw Cut Application**

For installation in existing concrete or asphalt roads. Saw-cut loops are cut into the surface and sealed with loop sealant. If you plan to bury loops please go back and select "Direct Burial Application" to view the proper diagrams.

#### **Loop Sizes Needed:**

Reverse/Exit Loop: 58' Perimeter Loop

**BD Loops Part#:** SC 58-50 or SC 58-100

6' x 23' Loop with 50' or 100' of lead-in **Description:** 

This Loop will have approximately 48" of detection height.

Shadow Loop: 52' Perimeter Loop

**BD Loops Part#:** SC 52-50

**Description:** 9' x 17' Loop with 50' of lead-in

This Loop will have approximately 64" of detection height.

Some of these loops are custom sizes. Custom size loops can ship same day from our Placentia, CA location if we receive a PO by 12:00 pm PST. Contact your BD Loops Distributor for more information.

#### **Notes about Swing Gates:**

Swing gates require a minimum of 3 loops to properly protect the gate path as pictured in red above:

- An Inside Reverse Loop or Exit Loop
- A Shadow Loop
- An Outside Reverse Loop

Reverse Loops will hold the gate open, or reverse a closing gate if a vehicle enters or stops within the gate path. The inside reverse loop can be connected to the exit loop function if you desire. An Exit Loop will do everything a reverse loop does and will also open the gate automatically when a car drives over it. A Shadow Loop will check before the gate closes to see if a vehicle is present. When the gate is in motion the shadow loop will not respond to any detection, which is why reverse/exit functions are required on each side of the gate.

Have a long approach on the secure side? An additional exit loop further down the driveway will make the system more convenient for users. They will not have to wait for the gate to open when exiting.



## **Don't Forget Loop Sealant!**

BD-LS Loop Shield is available in Black or Gray.

Self Leveling • 100% Solids Low VOC • Quick Skin Time Made in the USA

## 3/16" Wide Blade / Groove **Sealant Coverage Chart**

| Cut Depth | Coverage per Tube | Coverage per Case |
|-----------|-------------------|-------------------|
| 1 1/4"    | 20′               | 240′              |
| 1 1/2"    | 16′               | 192'              |

#### **BD** Loops

#### **Saw-Cut Loop Sizes**

The standard size loops listed in the chart to the right are available for same day shipping if BD Loops receives a PO from a distributor by 3:30 pm PST.

# Need a bigger loop or longer lead-in lengths?

Custom size loops are available and can ship same day if the PO is received by 12:00 pm PST.

#### **Need to Test Loops?**



The **BD-Megger** is an essential testing device that checks for the most common loop issue: a nick in the wire allowing current to leak to ground.



The E-Z Detector Checker quickly checks components upstream from the loop including the detector module, harness wiring, and circuit board loop connections.

## **BD Loops** Preformed Saw-Cut Loop Size Chart

| Residential Vehicle  |                  |                       |                      |         |                 |
|--|------------------|-----------------------|----------------------|---------|-----------------|
| 14 Foot Loop   3x4ft   Parking   N/A     20'   SC 14-20  |                  | Residential Vehicle   | Commercial Vehicle   | Lead-In | <b>BD</b> Loops |
| 16 Foot Loop   3x5ft or 4x4ft   Driveway Width   N/A   So'   SC 16-20  | Loop Size        | Application           | Application          | Length  | Part Number     |
| Say  | 14 Foot Loop     | Drive Thru Lane /     | N/A                  | 20'     | SC 14-20        |
| 16 Foot Loop   |                  |                       |                      | 50'     | SC 14-50        |
| N/A   S0'   SC 16-50   SC 16-50   SC 16-50   SC 16-50   SC 16-50   SC 18-50   SC 18-20   SC 18-50   SC 20-20   SC 20-20   SC 20-20   SC 20-20   SC 20-20   SC 20-20   SC 20-50   | 3x4ft            | Parking               |                      |         |                 |
| N/A   S0'   SC 16-50   | 16 Foot Loop     | 9-10 <del>ft</del>    |                      | 20'     |                 |
| 18 Foot Loop         9-10ft         N/A         20'         SC 18-20           3x6ft or 4x5ft         Driveway Width         N/A         20'         SC 18-50           20 Foot Loop         10-11ft         N/A         20'         SC 20-20           3x7ft or 4x6ft         Driveway Width         N/A         50'         SC 20-20           4x8ft loop pattern         6x6ft loop pattern         20'         SC 24-20           4x8ft or 6x6ft         12ft Driveway Width         50'         SC 24-50           28 Foot Loop         4x10ft loop pattern         6x8ft loop pattern         100'         SC 28-50           4x10ft or 6x8ft         14ft Driveway Width         100'         SC 28-50           32 Foot Loop         4x12ft loop pattern         6x10ft loop pattern         20'         SC 32-20           4x12ft or 6x10ft         6x10ft Driveway Width         100'         SC 32-50           36 Foot Loop         16ft Driveway Width         100'         SC 36-20           40 Foot Loop         18ft Driveway Width         50'         SC 40-50           44 Foot Loop         20'         SC 44-20           6x16ft         20'         SC 44-20           20'         SC 44-50           100'         SC 44-5  |                  |                       | N/A                  | 50'     | SC 16-50        |
| 3x6ft or 4x5ft   | 3x5ft or 4x4ft   | Driveway width        |                      |         |                 |
| N/A   So'   SC 18-50   | 18 Foot Loop     | 0-10ft                |                      |         |                 |
| 20 Foot Loop         10-11ft         N/A         20' SC 20-20           3x7ft or 4x6ft         Driveway Width         50' SC 20-50           24 Foot Loop         4x8ft loop pattern         20' SC 24-20           4x8ft or 6x6ft         12ft Driveway Width         50' SC 24-50           28 Foot Loop         4x10ft loop pattern         12ft Driveway Width         100' SC 24-100           32 Foot Loop         4x12ft loop pattern         12ft Driveway Width         12ft Driveway Width           32 Foot Loop         4x12ft loop pattern         12ft Driveway Width         50' SC 28-50           4x12ft or 6x10ft         16ft Driveway Width         20' SC 32-20           50' SC 32-20         50' SC 32-50           14ft Driveway Width         100' SC 32-100           36 Foot Loop         16ft Driveway Width         50' SC 36-50           6x12ft         100' SC 36-100           40 Foot Loop         18ft Driveway Width         50' SC 40-50           6x14ft         20' SC 44-20           44 Foot Loop         20' SC 44-20           6x16ft         20' SC 52-20           50' SC 52-20           50' SC 52-20  |                  |                       | N/A                  | 50'     | SC 18-50        |
| 3x7ft or 4x6ft   Driveway Width   So'   SC 20-50   | 3x6ft or 4x5ft   | Driveway width        |                      |         |                 |
| 3x7ft or 4x6ft   Driveway Width   S0'   SC 20-50   | 20 Foot Loop     |                       | N/A                  |         | SC 20-20        |
| 24 Foot Loop         4x8ft loop pattern         6x6ft loop pattern         20' SC 24-20           4x8ft or 6x6ft         12ft Driveway Width         50' SC 24-50           28 Foot Loop         4x10ft loop pattern         6x8ft loop pattern           4x10ft or 6x8ft         14ft Driveway Width         12ft Driveway Width           32 Foot Loop         4x12ft loop pattern         6x10ft loop pattern           4x12ft or 6x10ft         16ft Driveway Width         100' SC 32-100           36 Foot Loop         16ft Driveway Width         20' SC 36-20           50' SC 36-20         50' SC 36-50           4x12ft         100' SC 36-100           40 Foot Loop         18ft Driveway Width         50' SC 40-50           6x14ft         100' SC 40-100           44 Foot Loop         20' SC 44-20           6x16ft         20' SC 44-20           50' SC 44-50         50' SC 52-20           50' SC 52-20         50' SC 52-20   |                  |                       |                      | 50'     | SC 20-50        |
| 4x8ft or 6x6ft         4x8ft loop pattern         50'         SC 24-50           28 Foot Loop         4x10ft loop pattern         6x8ft loop pattern         50'         SC 24-100           28 Foot Loop         4x10ft loop pattern         12ft Driveway Width         50'         SC 28-50           32 Foot Loop         4x12ft loop pattern         12ft Driveway Width         50'         SC 28-50           4x12ft or 6x10ft         4x12ft loop pattern         14ft Driveway Width         50'         SC 32-20           36 Foot Loop         50'         SC 32-50         100'         SC 32-100           36 Foot Loop         16ft Driveway Width         50'         SC 36-20           50'         SC 36-20         50'         SC 36-50           100'         SC 36-50         100'         SC 36-100           44 Foot Loop         20'         SC 40-50           6x16ft         20'         SC 44-20           50'         SC 44-20           20'         SC 44-20           20'         SC 44-50           100'         SC 44-100           20'         SC 52-20  | 3x7ft or 4x6ft   | Driveway width        |                      |         |                 |
| 4x8ft or 6x6ft         12ft Driveway Width         10ft Driveway Width         50' SC 24-50           28 Foot Loop         4x10ft loop pattern         6x8ft loop pattern         50' SC 24-100           4x10ft or 6x8ft         14ft Driveway Width         100' SC 28-50           32 Foot Loop         4x12ft loop pattern         12ft Driveway Width         100' SC 28-100           4x12ft or 6x10ft         6x10ft loop pattern         50' SC 32-20           14ft Driveway Width         50' SC 32-50         100' SC 32-100           36 Foot Loop         16ft Driveway Width         50' SC 36-20           6x12ft         16ft Driveway Width         50' SC 36-50           100' SC 36-100         100' SC 40-100           44 Foot Loop         20' SC 44-20           6x16ft         20' SC 44-20           50' SC 44-50         100' SC 44-100           52 Foot Loop         24ft Driveway Width         50' SC 52-50  | 24 Foot Loop     | 4x8ft loop pattern    | 6x6ft loop pattern   |         |                 |
| 28 Foot Loop   | Augh au Guch     |                       |                      |         |                 |
| 4x10ft or 6x8ft       14ft Driveway Width       12ft Driveway Width       50° SC 28-50         32 Foot Loop       4x12ft loop pattern       6x10ft loop pattern       20° SC 32-20         4x12ft or 6x10ft       16ft Driveway Width       50° SC 32-50         36 Foot Loop       20° SC 32-100         6x12ft       20° SC 36-20         40 Foot Loop       16ft Driveway Width       50° SC 36-50         6x14ft       100° SC 40-100         44 Foot Loop       20° SC 44-20         6x16ft       20° SC 44-20         50° SC 44-100       20° SC 44-100         50° SC 44-100       50° SC 52-20   | 4x8π or 6x6π     | ZZIC DITVEWAY WIGHT   | Told Driveway Width  | 100′    | SC 24-100       |
| 4x10ft or 6x8ft       14ft Driveway Width       12ft Driveway Width       50° SC 28-50         32 Foot Loop       4x12ft loop pattern       6x10ft loop pattern       20° SC 32-20         4x12ft or 6x10ft       16ft Driveway Width       50° SC 32-50         36 Foot Loop       20° SC 32-100         6x12ft       20° SC 36-20         40 Foot Loop       16ft Driveway Width       50° SC 36-50         6x14ft       100° SC 40-100         44 Foot Loop       20° SC 44-20         6x16ft       20° SC 44-20         50° SC 44-100       20° SC 44-100         50° SC 44-100       50° SC 52-20   | 28 Foot Loop     | 4x10ft loop pattern   | 6x8ft loop pattern   |         |                 |
| 32 Foot Loop 4x12ft loop pattern 16ft Driveway Width  36 Foot Loop 6x12ft  40 Foot Loop 6x14ft  44 Foot Loop 6x16ft  52 Foot Loop 20 SC 32-20 50 SC 32 | 4x10ft or 6x8ft  | 14ft Driveway Width   | 12ft Driveway Width  |         |                 |
| 4x12ft loop pattern 4x12ft or 6x10ft  16ft Driveway Width  100' SC 32-100  20' SC 36-20  100' SC 36-100  18ft Driveway Width  100' SC 40-50  100' SC 40-100  20' SC 44-20  20' SC 44-20  20' SC 44-20  20' SC 44-20  20' SC 52-20  24ft Driveway Width  50' SC 52-50  |                  | z iic biirtaiia, iiia | zerroman, macin      |         |                 |
| 4x12ft or 6x10ft       16ft Driveway Width       14ft Driveway Width       100′ SC 32-100         36 Foot Loop       20′ SC 36-20       16ft Driveway Width       50′ SC 36-50         6x12ft       100′ SC 36-100       100′ SC 36-100         40 Foot Loop       18ft Driveway Width       50′ SC 40-50         6x14ft       100′ SC 40-100       20′ SC 40-20         44 Foot Loop       20′ SC 44-20       50′ SC 44-50         6x16ft       100′ SC 44-100       20′ SC 52-20         52 Foot Loop       24ft Driveway Width       50′ SC 52-50   | 32 Foot Loop     | 4x12ft loop pattern   | 6x10ft loop pattern  |         |                 |
| 36 Foot Loop 6x12ft  16ft Driveway Width 50′ SC 36-20 100′ SC 36-50 100′ SC 36-100  40 Foot Loop 6x14ft  18ft Driveway Width 50′ SC 40-50 100′ SC 40-100  44 Foot Loop 6x16ft  20ft Driveway Width 50′ SC 44-20 20ft Driveway Width 50′ SC 44-100 20ft Driveway Width 50′ SC 52-20 24ft Driveway Width 50′ SC 52-50  | 4v12ft or 6v10ft | 16ft Driveway Width   | 14ft Driveway Width  |         |                 |
| 16ft Driveway Width 50′ SC 36-50 100′ SC 36-100  40 Foot Loop 6x14ft 18ft Driveway Width 50′ SC 40-50 100′ SC 40-100 20′ SC 44-20 20′ SC 44-20 50′ SC 44-20 20′ SC 44-100 20′ SC 52-20 24ft Driveway Width 50′ SC 52-50  | 4,1211 01 0,1011 | ,                     | ,                    |         |                 |
| 6x12ft  40 Foot Loop 6x14ft  18ft Driveway Width 50′ SC 40-50 100′ SC 40-100 20′ SC 44-20 20ft Driveway Width 50′ SC 44-50 100′ SC 44-100 20′ SC 44-100 20′ SC 52-20 24ft Driveway Width 50′ SC 52-50  | 36 Foot Loop     |                       | 466 Delement Wildele |         |                 |
| 40 Foot Loop 6x14ft  18ft Driveway Width 50′ SC 40-50 100′ SC 40-100 20′ SC 44-20 20′ SC 44-20 50′ SC 44-50 100′ SC 44-100 20′ SC 52-20 24ft Driveway Width 50′ SC 52-50   | 6x12ft           |                       | 16π Driveway Width   |         |                 |
| 18ft Driveway Width 50′ SC 40-50 100′ SC 40-100  44 Foot Loop 6x16ft 20ft Driveway Width 50′ SC 44-20 20ft Driveway Width 50′ SC 44-50 100′ SC 44-100 20′ SC 52-20 24ft Driveway Width 50′ SC 52-50  |                  |                       |                      | 100     | 2C 36-100       |
| 6x14ft   | 40 Foot Loop     |                       | 10ft Deivouser Width | 50'     | SC 40 F0        |
| 44 Foot Loop 6x16ft  20ft Driveway Width 50' SC 44-20 100' SC 44-50 100' SC 44-100 20ft Driveway Width 50' SC 52-20 24ft Driveway Width 50' SC 52-50   | 6x14ft           |                       | 1810 Driveway Width  |         |                 |
| 20ft Driveway Width 50' SC 44-50 100' SC 44-100 20' SC 52-20 24ft Driveway Width 50' SC 52-50  |                  |                       |                      |         | 00 10 000       |
| 6x16ft 100′ SC 44-100<br>52 Foot Loop 20′ SC 52-20<br>24ft Driveway Width 50′ SC 52-50   | 44 Foot Loop     |                       | 20ft Driveway Width  |         |                 |
| 52 Foot Loop 20' SC 52-20 24ft Driveway Width 50' SC 52-50   | 6x16ft           |                       | Zon Driveway Width   |         |                 |
| 24ft Driveway Width 50' SC 52-50   | F2 5             |                       |                      |         |                 |
| 5 206  | 52 Foot Loop     |                       | 24ft Driveway Width  |         |                 |
|  | 6x20ft           |                       |                      | 100'    | SC 52-30        |

How to Read BD Loops
Part Numbers:

Type of Loop
SC = Saw-Cut

RL or EL = Direct Burial

SC 24 - 50

Lead-in Length (ft)

Loop Size Perimeter (ft)

In this example 24' (4x8' or 6x6').