

The images are merely representations of the models.



A leader doesn't follow steps
... he marks the way

WHAT'S A DEFENDER BOLLARD?

A permanent preventive signal. A flexible post with cylindric body. It also has great effectiveness due to its "driver's view" height level.

WHAT DOES A DEFENDER BOLLARD DO?

An economic and effective device to indicate a risky situation or delimit specific areas. They are used to restrain access.

RECOMMENDED USES

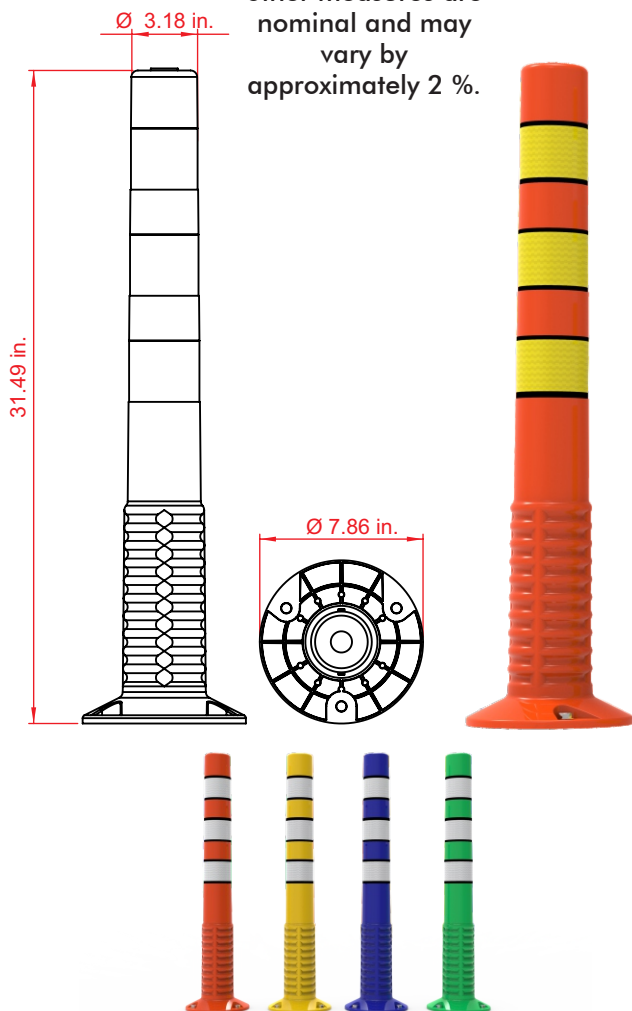
It's useful in roadworks, parking lots, hospitals, and junctions. They can also be used to create and protect bikeways.

Features

- It can be installed either in groups, forming rows or be complementary with another device.
- Manufactured in one piece, impact resistant to vehicles due to its flexibility.
- The most important feature is that after numerous hits continues to maintain its vertical position.
- Made of Poliflexy®, a malleable material that doesn't damage vehicles.
- The Defender Bollard body colors are orange, blue, green and yellow (white in solar models). Other colors upon request.
- The three Prismatic Grade reflective stripes with black outlines make this device an excellent visible traffic delineator.
- Easy installation and replacement.
- **SMART SOLAR POWER SYSTEM**
 - Solar panel.
 - It has an automatic on/off switch that works through its sensor.
 - 5 ultrabright LEDs.
 - 40,000 mcd with low current of 18 MA and 40 MW.
 - LED colors: Amber, red, white and blue. Body color: White.
 - The color, lights, and reflective stripes guarantee extra visibility and safety at your service.



Volumes, dimensions, and other measures are nominal and may vary by approximately 2 %.

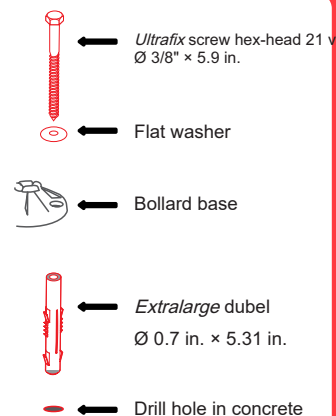


Measures

Total	Top diameter: 3.18 in Bottom diameter: 7.87 in. Height: 31.49 in.
Reflective:	3 Prismatic Grade stripes
Reflective color:	White or amber

Anchor system

Mark the three holes where the bollards are going to be and with the help of a drill with a $\frac{3}{4}$ " concrete drill bit put the *Extralarge* dubels in each drill hole. Assemble the **Defender 80 Bollard** with a screw and a $\frac{3}{8}$ " flat washer. You can do this with the help of a $\frac{9}{16}$ socket attached to a T-Handle socket wrench. Pierce the bollard and spin the screw to the right until it is tight enough. Like this, the installation is completed.



Concrete anchors

- Ultrafix screw hex-head
21 v Ø 3/8" x 5.9 in. -
Extralarge dubel
Ø 0.7 x 5.31 in.