

# DEFENDER 80 BOLLARD

Code: HI-80

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 cylindrical 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.

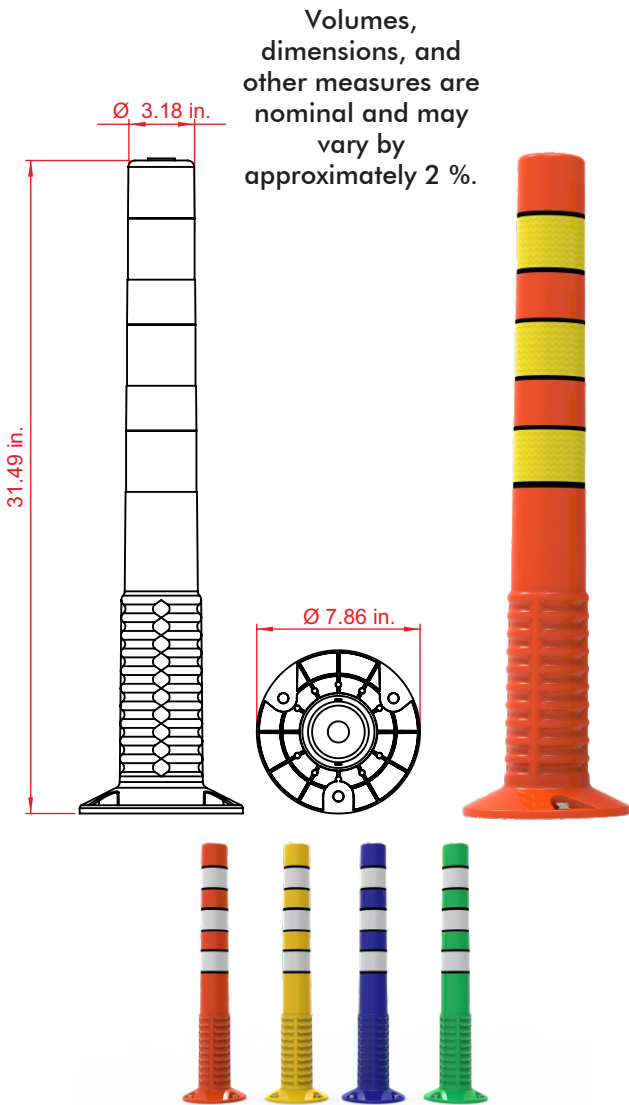
## Features

- 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.



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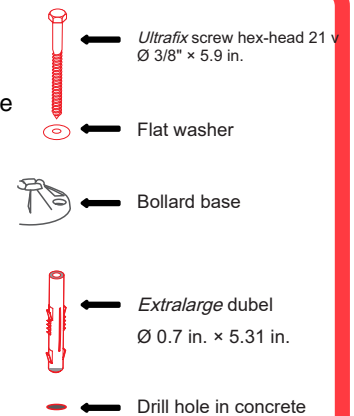
Volumes, dimensions, and other measures are nominal and may vary by approximately 2 %.

## Measures

<b>Total</b>	Top diameter: 3.18 in Bottom diameter: 7.87 in. Height: 31.49 in.
<b>Reflective:</b>	3 Prismatic Grade stripes
<b>Reflective color:</b>	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.