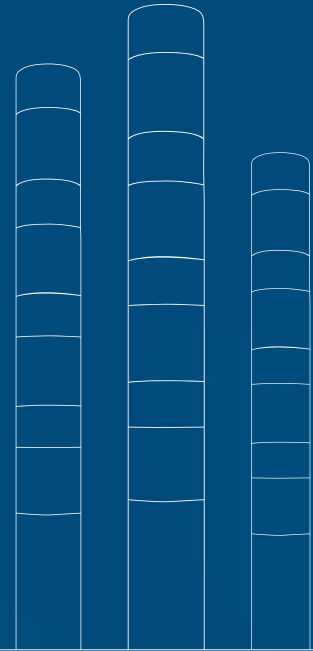


# DEFLEX

## Delineators, Bollards and Chicanes



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DEFLEX  
Delineators

Protection  
Traffic Control  
Safety Zones  
Speed Control  
Crosswalk  
School Zone

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Decorative  
& Steel Bollard

Safety Channelizing  
Pedestrian Protection

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Bike Path  
Chicanes

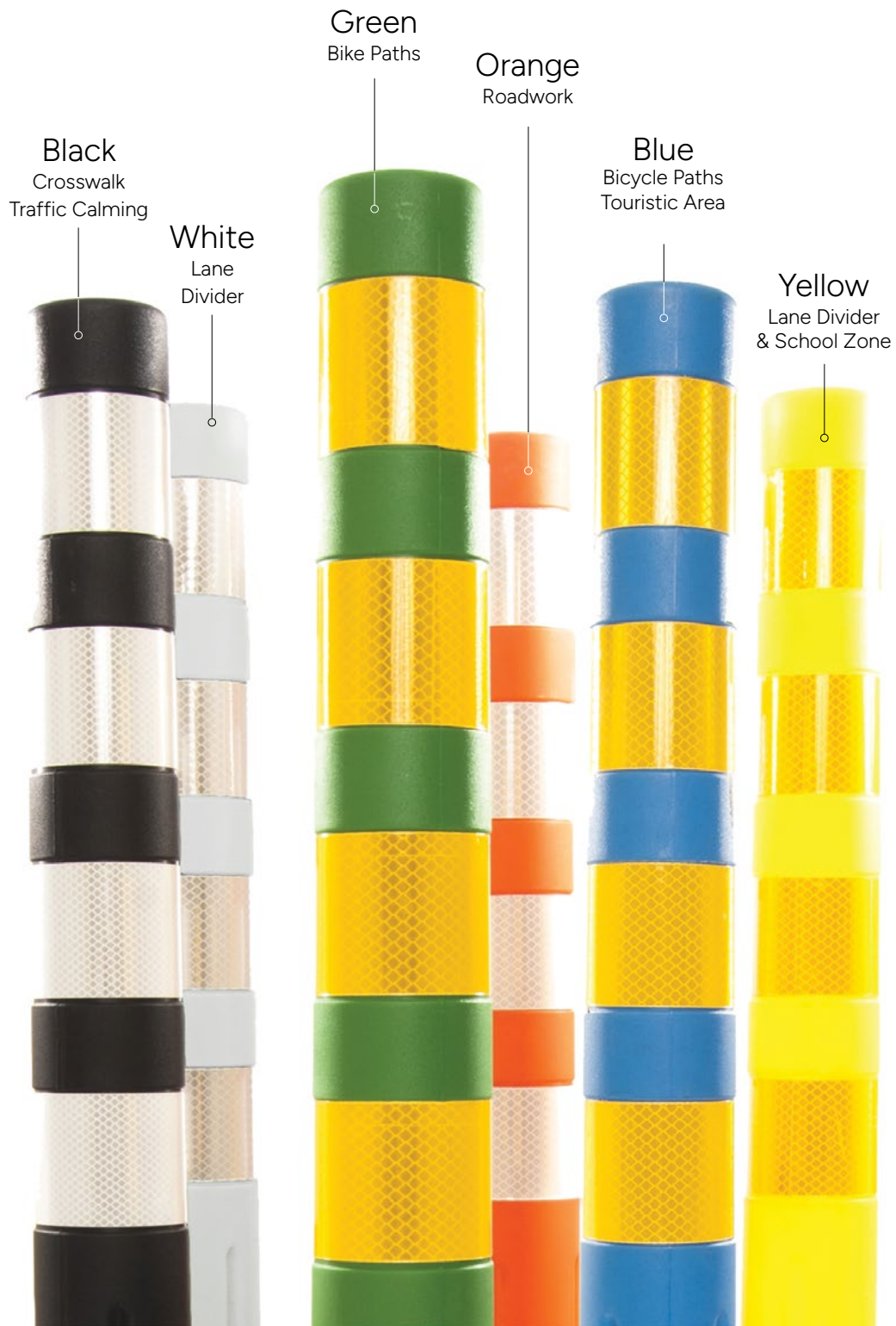
Bicycle Path  
Speed Control

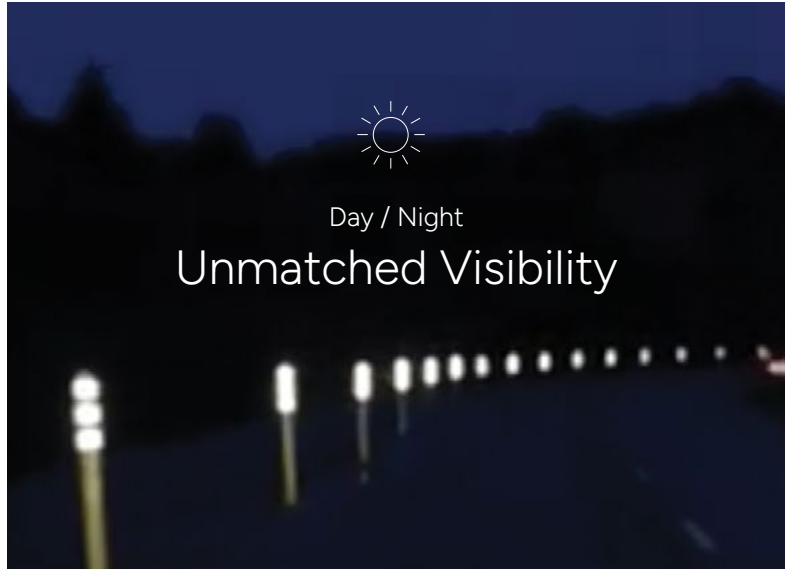
	Pages	Products
DEFLEX Delineators	6	Parking Lot Delineator
	7	Bike Lane Delineator
	8	Retractable Belt Delineator
	9	Road Works Delineators
	10	Lane Divided Road marking
	12	Installation Options
	13	How to order DEFLEX
Decorative & Steel Bollard	14	DECOFLEX, Flexible Decorative Bollard
	16	BOPS-MC 5.5" Deco Steel Bollard
	18	BOC 6" Carvel Bollard
	20	Bike-CHSX Simple Bike Lane Chicane

# DEFLEX

FLEXIBLE DELINEATOR

## Visual Communication A color for each applications





View Impact tests  
**WATCH VIDEO**

A diagram showing a white truck with a flatbed. Two arrows point from the truck towards two bollards of different heights. The shorter bollard is labeled with dimensions "750 mm" and "29.5\"". The taller bollard is labeled with dimensions "1220 mm" and "48\"". To the right of the diagram is a blue box containing the text "View Impact tests", "WATCH VIDEO", and a QR code.

**Bounce Back**  
Keeps its original shape

**Flexible Polymer**  
Withstands more than 200 impacts. Minimizes damage to vehicle and safe for cyclists in case of impact.

A collage of four photographs showing a blue truck from different angles (front, side, rear) with a yellow and black DEFLEX bollard positioned near it. The bollard is shown in its original shape and also bent after impact. The text "Bounce Back Keeps its original shape" is accompanied by an icon of a hand holding a bollard. The text "Flexible Polymer" is followed by a description of its durability and safety for cyclists.

# City's Best Traffic Calming Device

1<sup>+</sup>  
year warranty

360°

Visible and flexible from all angles. No orientation required upon installation.

## Height 48"

The distance between a truck driver's eyes and his headlights requires a high visual marker. **At a height of 48" - 1200mm**, the Deflex provides maximum safety with proper visibility for all types of vehicles.

With the Deflex, road markings are vertically extended improving road channelizing efficiency, especially in congested traffic. Cyclists and pedestrians feel safer from motorists with a higher channelizer.



## Reflective Stripes

The embedded reflective stripes provide a longer life and improve safety expectancy upon multiple impacts.

This High level of reflectivity (ASTM Type IV) and its diameter of 3.25" (83 mm) increases visibility at night.

## NTPEP TESTED

200 vehicle impacts tested

## NCHRP -350

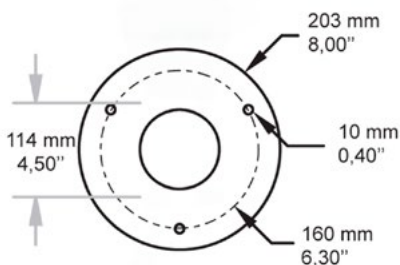
Standard Certification

## Monohull (One Piece)

No mechanical parts means easy maintenance. Less components on the roads if damaged.

## UV Protected and Solid Color

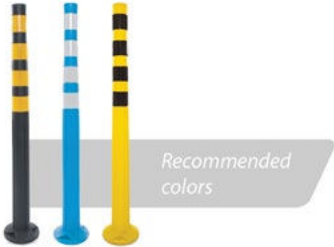
A protective additive incorporated in the polymer prevents color from fast fading.





# Parking Lot Delineator

Our DEFLEX flexible parking lot delineator highlights parking areas with visual markings to improve management and driver experience. Different colors help identify reserved parking spaces for the disabled, families, pregnant women and employees, among others.



Made of flexible Polymer

Easy Installation

Seasonal Installation

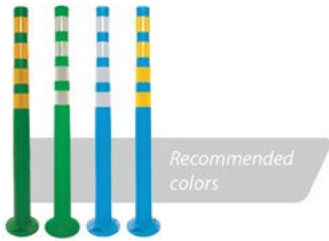
Increase Safety



# Bike Lane Delineator

This high-performance Deflex flexible delineator for bike lanes is a durable marker to set boundaries on the road. Safer than a rigid delineator and clearly visible day and night, it has been designed for the safety of the most vulnerable road users.

Lightweight and resilient, the 48" Deflex delineator is made of a treated polymer blend to withstand harsh weather and vehicle impacts, and keeps its shape after as many as 200 impacts at 55 mph/88 km/h. 48" is the best height for being visible by all road users the bike Deflex 48 is a great traffic calming tool for the benefit of Vision Zero.



Recommended colors

Made of flexible Polymer

Easy Installation on Multiple Surfaces

Clear and Safe Lane Marking

Increase Safety





# Retractable Belt Delineator

Clear crowd channelizing is critical to holding successful public events and our DEFLEX crowd control delineator is the perfect tool to create passages and limit areas. With a height of 1200 mm (48"), variable installation options and quick installation, the Deflex delineator is the ideal tool to achieve efficient crowd control.



Made of flexible Polymer

Easy Installation

Manage Waiting Lines

Increase Safety





# Road Works Delineators



*Recommended colors*

Our DEFLEX flexible channelizer delineator post for road work zones is a popular tool to control traffic when space is limited in areas where construction occurs. It stands four (4) feet tall and is notably thin in profile. It is made of a treated polymer blend that is flexible when struck by vehicles and resistant to bad weather.

The Deflex delineator is highly visible from all directions, day or night. It can be bolted in place or moved at will.

Day and Night Visibility



Easy Installation on standard posts



Increases Driver Awareness



Increase Safety



# Lane Divider and Road Marking

Delimitation of the approaches to obstacles such as protrusions and bypass islands, and accentuation of road markings such as hatching at motorway entrances and exits and dangerous curves.



Increase Safety in Curves



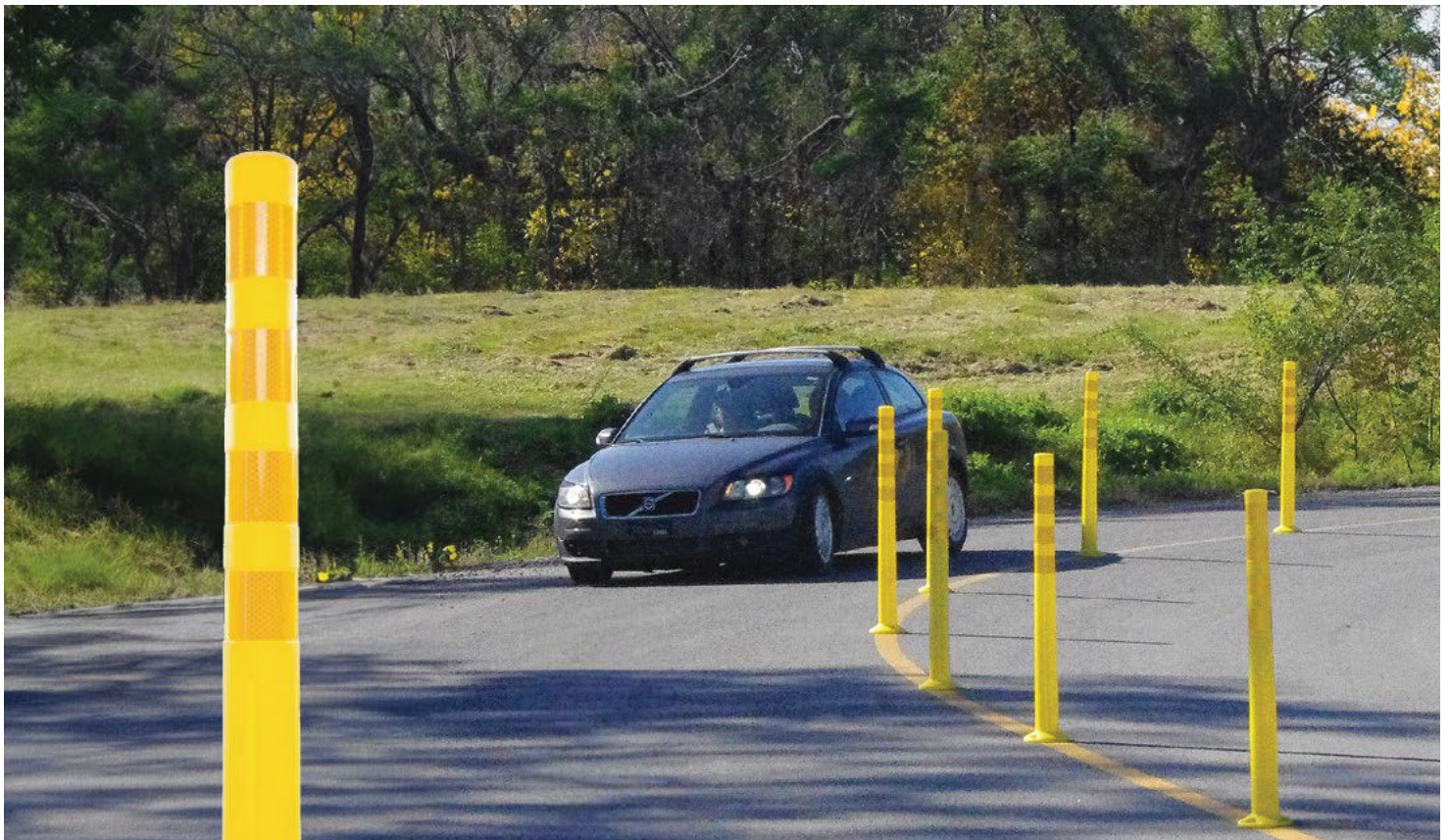
Prevents Line Crossing



Improve Visibility

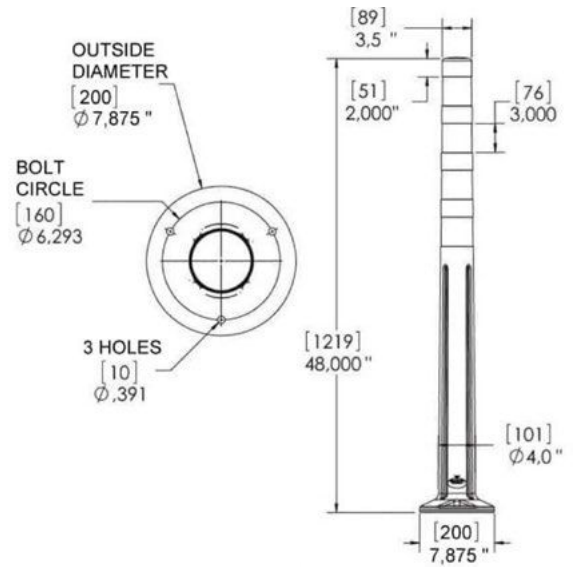
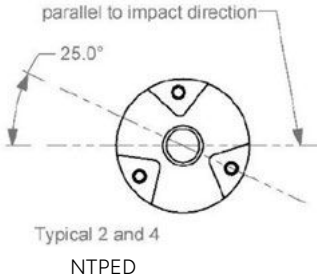


Visual Channelizing





The Deflex delineator post is made of a flexible polymer and regains its original shape even after more than 200 impacts. at 55 mph / 88 km/h with asphalt shield installation according to NTPED test Results you will achieve or exceed 200 impacts or more if installed as per this pattern.



## Suggested Spacing between delineators Bike Path

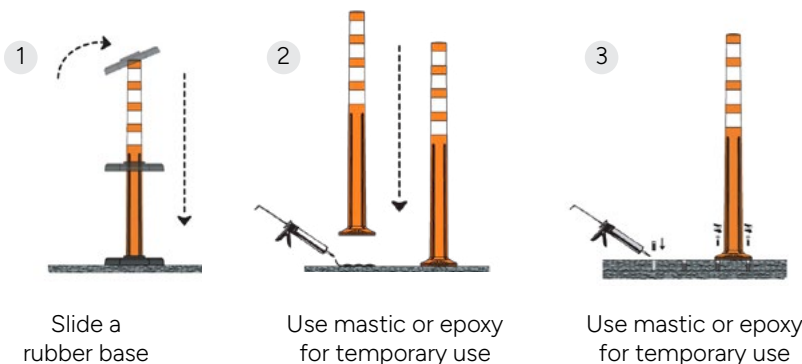
Speed Limit	Lane Divider <i>without</i> concrete lane path divider		Lane Divider <i>without</i> concrete lane path divider	
	Straight Lane	Curved Lane	Straight Lane	Curved Lane
20 KM/H / 30 KM/H	60' (20 m)	30' (10 m)	30' (10 m)	15' (5 m)
25 KM/H / 40 KM/H	60' (20 m)	30' (10 m)	30' (10 m)	15' (5 m)
30 KM/H / 50 KM/H	60' (20 m)	30' (10 m)	30' (10 m)	15' (5 m)

Center to Center                      Center to Center

Speed Limit	Roadwork and Lane Divider	
	Straight Lane	Curved Lane
20 KM/H / 30 KM/H	15' (5 m)	15' (5 m)
25 KM/H / 40 KM/H	15' (5 m)	15' (5 m)
30 KM/H / 50 KM/H	30' (10 m)	15' (5 m)
35 KM/H / 60 KM/H	30' (10 m)	15' (5 m)
40 KM/H / 70 KM/H	30' (10 m)	15' (5 m)
50 KM/H / 80 KM/H	45' (15 m)	15' (5 m)
55 KM/H / 90 KM/H	45' (15 m)	15' (5 m)
60 KM/H / 100 KM/H	60' (20 m)	15' (5 m)

Center to Center

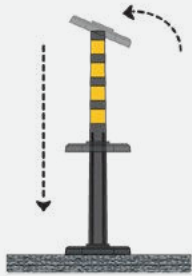
### How to Install



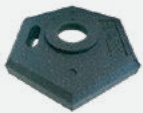


# Installation Options

## Mobile

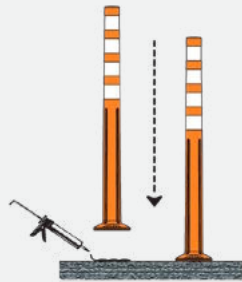


Slide a rubber base



Weight of 16 lbs (7kg)  
Made of recycled rubber  
Ergonomic handle  
16" x 18,5" x 2,188"  
(406 x 470 x 56 mm)

## Temporary



Use mastic or epoxy  
for temporary use



Sticky Mastic for asphalt  
or concrete.  
Steel plate included  
8" x 8" x 0,250"  
(203 x 203 x 6 mm)

## Seasonal or permanent in asphalt

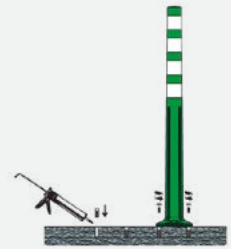


Use mastic or epoxy  
for temporary use



Galvanized steel  
ground spike  
8" x 8" x 16"  
(203 x 203 x 406 mm)

## Seasonal or permanent in asphalt

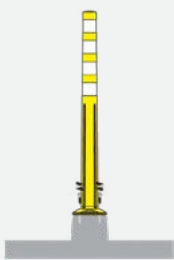


Use a drop of epoxy,  
shield and bolt



M10 Threaded shield  
for asphalt or concrete.  
Comes with 3 threaded  
caps to protect holes  
during the downtime

## Permanent concrete border

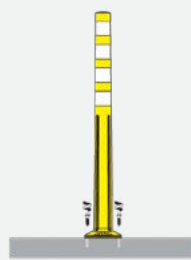


Bolt into a  
concrete border



3/8-16 x 2,5" zinc plated  
concrete screws for  
permanent installation

## Permanent in concrete

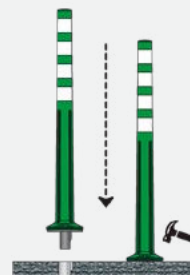


Bolt into  
concrete



3/8-16 x 2,5" zinc plated  
concrete screws for  
permanent installation

## Easy-in, Easy-out



Insert the adapter  
into the sleeve



Steel Sleeve anchor  
8", 22" or 36" in length  
(200, 550 or 900 mm)  
(Carvelle System)

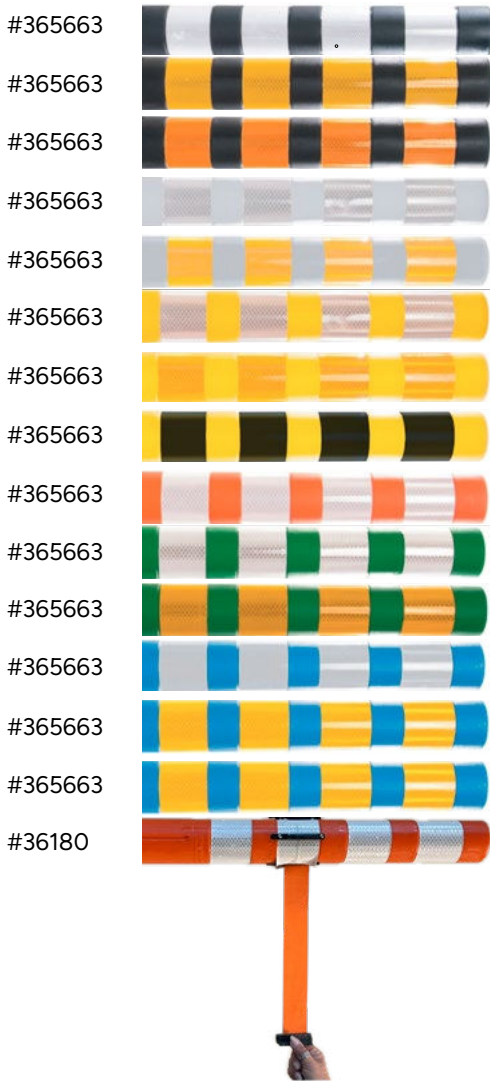


Need Help  
for installation?

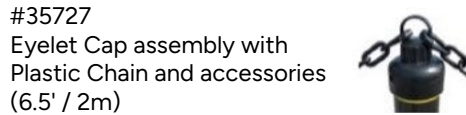
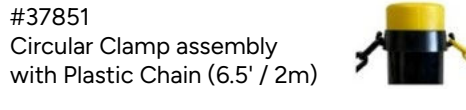
[info@traffic-innovation.com](mailto:info@traffic-innovation.com)

# Parts # to order DEFLEX system

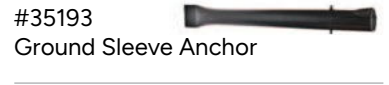
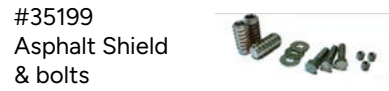
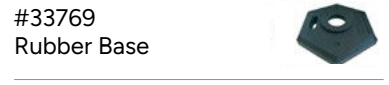
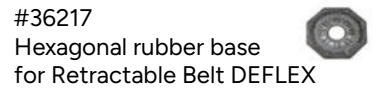
## 1 Select Color



## 2 Add Accessories



## 3 Installation Kit



**Minimum Order**  
50 units Pallet 42 x 46 x 26 in  
1100 lbs

# DECOFLEX, Flexible Decorative Bollard

Elegant and stylish, the DecoFlex flexible decorative bollard adds a touch of prestige in locations where flexible bollards are needed, namely curb extensions and sidewalk ledges, lane closure and even channelized lanes.

Made of flexible Polymer



Easy Installation



Several Tops Options

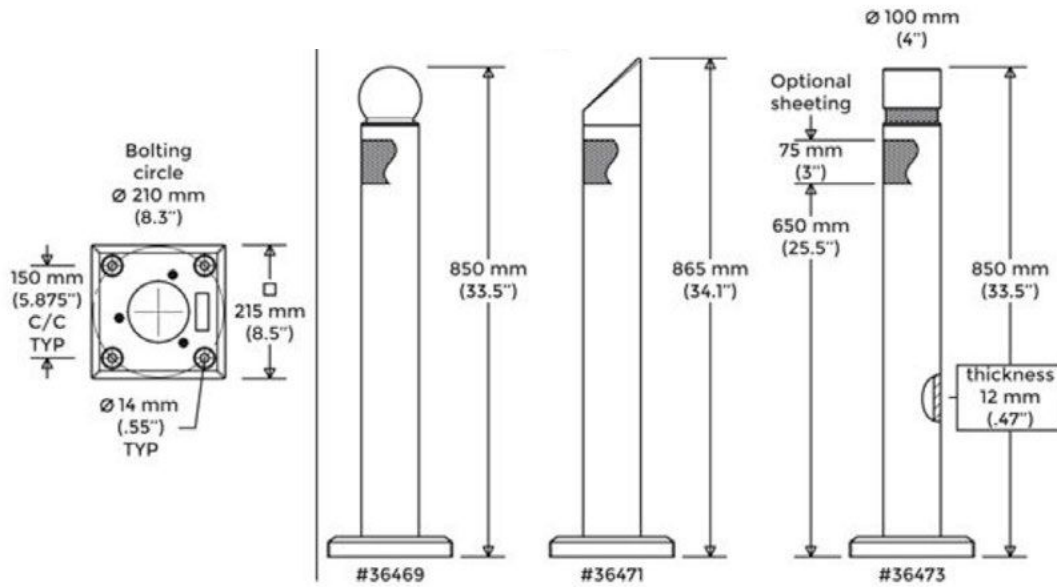








Increase Safety





# DECOFLEX Flexible Decorative Bollard



Products	Box Size - Weight	HSS Code
 <b>Assembly Kit # 36469</b> 100mm dia. x 34" BLACK DecoFlex Flexible Decorative Bollard, BALL Top c/w Square Base and Hardware 100mm dia. x 34"	Box of 5 units : 37 x 28 x 11 in – 450 lbs	3926.90
 <b>Assembly Kit # 36471</b> 100mm dia. x 34" BLACK DecoFlex Flexible Decorative Bollard, MITTERED Top c/w Square Base and Hardware 100mm dia. x 34"	Box of 5 units : 37 x 28 x 11 in – 450 lbs	3926.90
 <b>Assembly Kit # 36473</b> 100mm dia. x 34" BLACK DecoFlex Flexible Decorative Bollard, COLUMN/CYLINDRICAL Top c/w Square Base, Hardware 100mm dia. x 34" & White Reflective Sheeting	Box of 5 units : 37 x 28 x 11 in – 450 lbs	3926.90
 <b>Options # 36879</b> DecoFlex CONCRETE Bolt-In Installation Kit	Box of 40 units : 11 x 17 x 4 in – 20 lbs	N/A
 <b>Reflective Sheeting White #36542</b>	N/A	N/A
 <b>Reflective Sheeting Yellow #36543</b>	N/A	N/A

# BOPS-MC 5.5" Deco Steel Bollard

Often used in new layouts, the BOPS-MC protective safety steel bollard provides adequate protection for a sidewalk projection to ease traffic. From an aesthetic point of view, it is also used to delimit a zone reserved for pedestrians while remaining inaccessible to vehicles.

The safety bollard is installed in concrete (on a concrete sidewalk projection) to be installed with a 450 mm (17.7") steel carvel sleeve.

Improve  
Visibility



Easy  
Installation



Tough  
and Sturdy

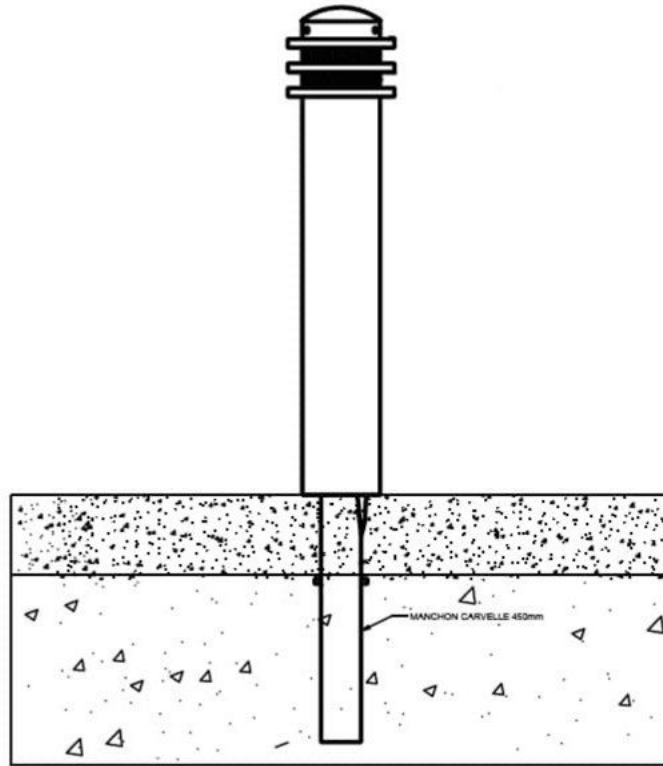


Increase  
Safety



# BOPS-MC 5.5" Deco Steel Bollard

2<sup>+</sup>  
years  
waranty



Products

Box Size - Weight

**Assembly Kit # 36127**  
Decorative Bollard BOPS, 5.5" x 34" Stell, c/w Cap, painted textured black (Fixing system not included)

34 x 5.5 in – 63 lbs

**Assembly Kit # 37482**  
Fixing system – Inner post for Carvel Sleeve Anchor

Call for info

**Option # 30708**  
Track spike .375 X 3" steel

Call for info

**Option**  
300 mm Carvel Sleeve Anchor

Call for info

**Option**  
450 mm Carvel Sleeve Anchor

Call for info



# BOC 6" Carvel Bollard

The 6-inch steel bollard with reflectors is a tough and sturdy visual marker to block traffic from forbidden areas. Made of powder-coated galvanized steel, the BOC648 has four (4) recessed reflective sheeting stripes that provide high visibility day and night.

Easy to install, it is inserted in the sleeve anchor (see the corresponding product page for details) and is as easily removed if needed, using the extractor tool. This 6" bollard is ideal for both temporary and permanent installation where vehicles are prohibited. Available in black with white or yellow reflective sheeting.

Blocks Vehicle  
Access



Easy  
Installation



Tough  
and Sturdy



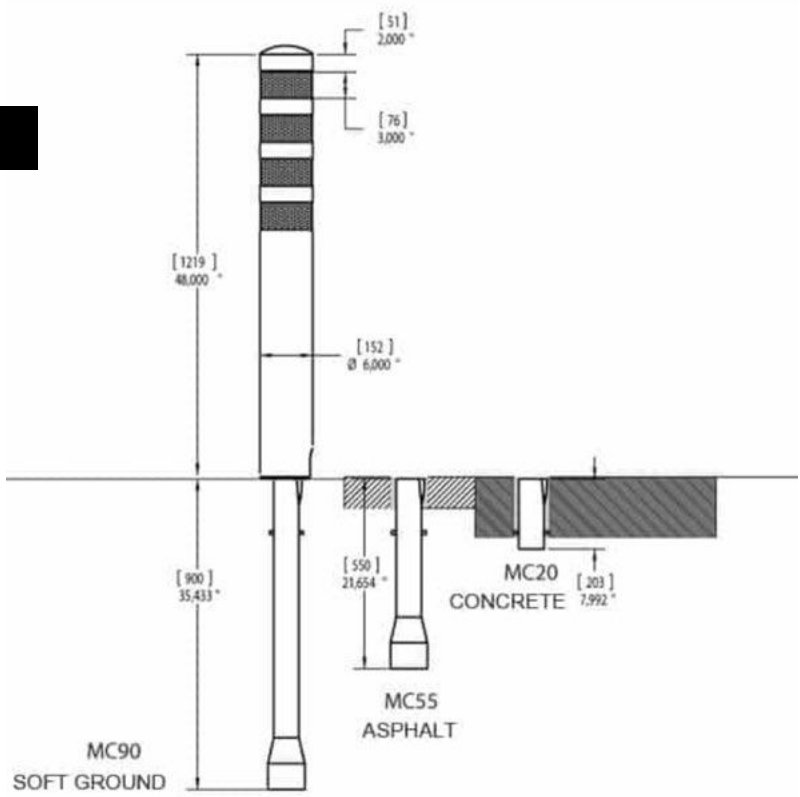
Increase  
Safety



# BOC 6" Carvel Bollard



## Features

Materials	Steel ASTM A500
Rust protection	Hot-dip galvanised
Finish	Powder coated painted
Color	Black
Reflective Stripe	3" White or Yellow ASTM Type IV
Height	48" (1220 mm)
Bollard diameter	6" (152 mm)
Weight	50 lbs (23 kg)



Products

Box Size - Weight

	<p><b>Assembly Kit # 30326</b> Carvel Bollard 6" (150mm) x 48" (1220mm) Galvanized Steel &amp; Black painted c/w 4 White reflective bands</p>	6 x 48 in – 50 lbs
	<p><b>Assembly Kit # 30327</b> Carvel Bollard 6" (150mm) x 48" (1220mm) Galvanized Steel &amp; Black painted c/w 4 Yellow reflective bands</p>	6 x 48 in – 50 lbs
	<p><b>Option # 30708</b> Track spike .375 X 3" steel</p>	Call for info
	<p><b>Option</b> 200mm Carvel Sleeve Anchor (Concrete Installation)</p>	Call for info
	<p><b>Option</b> 550mm Carvel Sleeve Anchor (Asphalt Installation)</p>	Call for info
	<p><b>Option</b> 900mm Carvel Sleeve Anchor (Ground Installation)</p>	Call for info



# Bike-CHSX Simple Bike Lane Chicane

Designed for cyclist safety near crossroads, the Bike-CHSX bike lane chicane makes an obstacle and creates a choking effect on the pathway, which together force cyclists to slow down. Made of powder-coated galvanized steel, chicanes are heavy duty, vandalism-proof and weatherproof.

Every chicane is equipped with a locking system that keeps it either in closed position or opened position for maintenance or emergency situations.

Improve  
Visibility



Reduces  
Speed



Open in case  
of emergency



Increase  
Safety



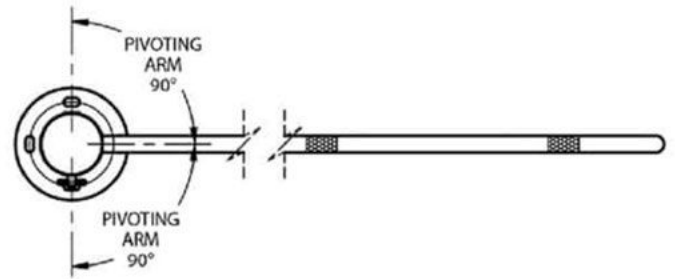


# Chicane

## Features

**Materials**                      Structure: Powder coated Galvanized Steel Sheeting: Diamond grade, type III

**Standard colors**              Structure: Black, Textured Finish Sheeting: Yellow or White



## Products



Decorative Base dia. 150 x 280 mm #30689



Steel Buried Base Chemical Anchor dia. depth 1.4 m (55") #32371



Chemical Anchor dia. depth 1.4 M (55") #32371 3/4" X 9,6" #37596 (4)



Stainless Steel Padlock #37160

**Visibility and safety on bike lanes**

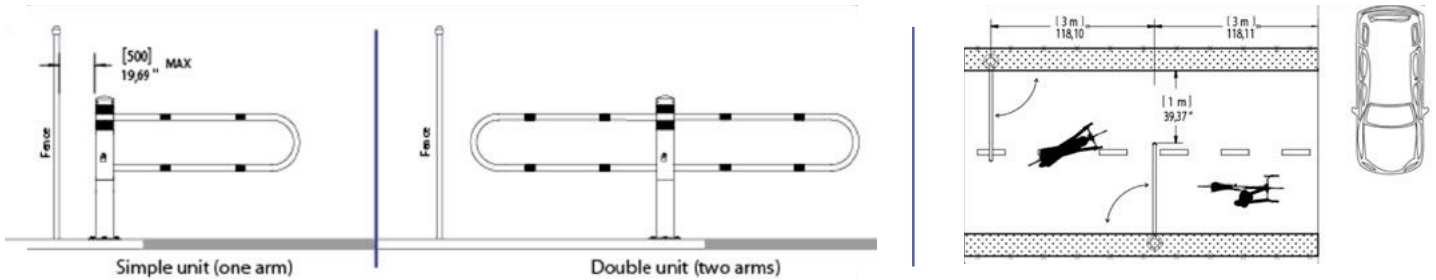
The reflective sheeting help locate the chicane in the dark. Installed near crossroads, the CHSX decorative chicane for bike paths effectively helps reduce speed and improves safety of every user.

**Recommended Use**

Bike path chicanes are in the first place intended to mark a potentially dangerous crossroad, then to make cyclists reduce their speed before actually crossing. The use of chicanes is recommended for all bike paths that are not directly on the side of the road. Besides, if the point is to block passage to cars and ATVs, it is recommended to install concrete bollards instead.

**Recommended Installation**

First of all, it's important to leave a minimum clearance space of 3 m before the crossroad. This is to allow cyclists to get off their bike. Secondly, keep units about 3 m apart. This is to facilitate the passage of kid trailer equipped bikes. Finally, leave a 1 m clearance width on the bike path, to create the aforementioned choking effect which will force cyclists to slow down before entering the chicane.

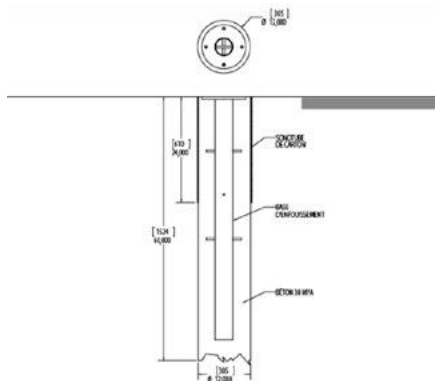








To avoid cyclists bypassing the chicanes, it is advised to install units near a fence or any kind of barrier by a maximum of 0,5 m. If the fence is too far away from the bike path or is simply non-existent, double units (with 2 arms) are to be used instead. They will fill the gap and prevent any possible bypassing.

**Installation**

Two methods can be used to secure units to the ground. If a concrete slab is already made, only four (4) chemical anchorings of dia. 3/4" x 9,6" are needed for installation.

For installations on asphalt or lawn, a concrete cylinder (sonotube-type) reinforced with a buried base will be needed for maximum strength. Just dig a cylinder of 305 mm (12") of diameter and 1524 mm (60") deep, pour in 30 MPa concrete and insert the buried base while keeping in mind the intended vertical orientation.



Products	Box Size - Weight
	<p>Assembly Kit # 37112 1,6 m Simple Steel Swivel barrier for Bike path Black painted White or Yellow reflectives bands <span style="float: right;">Call for info</span></p>
	<p>Assembly Kit # 37111 2,2 m Simple Steel Swivel barrier for Bike path Black painted White or Yellow reflectives bands <span style="float: right;">Call for info</span></p>
	<p>Assembly Kit # 37113 3,2 m Simple Steel Swivel barrier for Bike path Black painted White or Yellow reflectives bands <span style="float: right;">Call for info</span></p>
	<p>Assembly Kit # 38378 1,6 m Double Steel Swivel barrier for Bike path Black painted White or Yellow reflectives bands <span style="float: right;">Call for info</span></p>
	<p>Assembly Kit # 38268 2,2 m Double Steel Swivel barrier for Bike path Black painted White or Yellow reflectives bands <span style="float: right;">Call for info</span></p>
	<p>Assembly Kit # 38381 3,2 m Double Steel Swivel barrier for Bike path Black painted White or Yellow reflectives bands <span style="float: right;">Call for info</span></p>
Options	
	<p>Option # 30690 Base cover, 6" x 12" painted black <span style="float: right;">Call for info</span></p>
	<p>Option # 37160 Stainless Steel Padlock for barrier <span style="float: right;">Call for info</span></p>
	<p>Option # 32371 48" deep Buried Base, Galvanised Steel c/w 4 Installation Bolts <span style="float: right;">Call for info</span></p>
	<p>Option # 37596 Set of 4 Hilti .75 x 9.6" Stainless Steel Anchors with washers, nuts HVU Epoxy Capsule &amp; Installation Template <span style="float: right;">Call for info</span></p>

Powered by



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info@traffic-innovation.com

January 15, 2025