

# STURDY Road Furniture



**STURDY**  
**PRODUCTS LTD**

# STURDY Bollard



The **STURDY** Bollard can be designed as a marker pole which can be used to segregate roadways or indicate certain areas within a complex. The bollard can be left free standing or fixed in place using anchor bolts. Each bollard is fitted with two strips of class 2 reflective material as standard. The bollard is manufactured from medium density polyethylene with UV stabilizer, giving a product that will result in minimum amount of damage to any vehicle, should an accident occur. Other grades of material can be used on request.

A variety of materials can be used giving a rigid finish or a more flexible rubberised type material.

The Road Safety Bollard is ideal for use in car parks, shopping centres, drive thrus, airports and security areas.

The Road Safety Bollard is available in green or blue as standard. Other colours are available upon request.

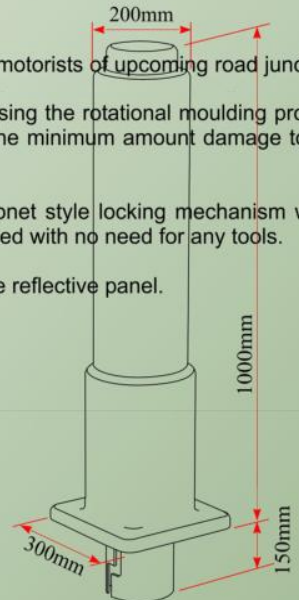
# STURDY Delineator Poles

The **STURDY** Delineator Road Pole is designed to alert motorists of upcoming road junctions as per European road network requirements.

The poles are manufactured from polyethylene plastic, using the rotational moulding process which gives a light one piece product that will result in the minimum amount damage to any vehicle, should an accident occur.

The pole comes with a base receptacle and has a bayonet style locking mechanism which allows the pole to be installed with ease and easily removed with no need for any tools.

The Delineator Road Pole comes with a class 2 high grade reflective panel.



# STURDY Median Dividers

**STURDY** Median Dividers come in three styles. They are made from a UV stabilized polyethylene which enhances durability and life span of the products. The material is strong enough to ensure they can withstand the elements and yet not be damaging in the case of a vehicle accident. The purpose of these dividers is to close off a central medium while being easy to remove in the case of an emergency if required.

The Median Dividers come in colours of blue, for motorways, and green, for national roads. The Road Guard option also comes in white so an alternating pattern can be used.



## Option 1- Road Guards

These Median Dividers are interlinkable and each give a 2m length of road coverage.

They come in a height of 0.8m.

The unique design makes the dividers very strong and very resistant to warping over time.

These dividers are fixed to the ground by means of clamps and anchor bolts.

## Option 2- Musoir Poles (small size)

These come from the set of **STURDY** Musoir Poles and are all at a height of either 1475mm or 1660mm.

They carry a class 2 reflective material which makes the poles very visible to road users.

They have a curved front design that allows maximum visibility.

The poles are easily removed and replaced by trained personnel due to the unique receptacle design.



## Option 3- Delineator Poles

These poles come with either a class 1 or class 2 reflective material around the whole pole which means they are visible in both directions.

The poles also have a unique receptacle design that helps prevent the bollards being removed by vandals but can be removed easily by trained personnel.

The poles are 1m in height so they are small enough to not obstruct vision of road users and yet still be highly visible.

# STURDY Road Guard



## *Road Guard Dimensions:*

Length: 2.43m (2m road coverage)  
Height: 0.885m  
Width: 0.66m  
Product Code: 384 - A



## *Starter Road Guard Dimensions:*

Length: 0.64m  
Height: 1.3m  
Width: 0.68m  
Product Code: 385 - A



## *Intermediate Road Guard Dimensions:*

Length: 1.15m (0.65m road coverage)  
Height: 1.3m  
Width: 0.68m  
Product Code: 387 - A



## *End Road Guard Dimensions:*

Length: 0.975m  
Height: 0.885m  
Width: .66m  
Product Code: 386 - A



The **STURDY** Road Guard's unique stacking feature helps during transportation and storage. When stacking, every second unit is inverted. Stacking lugs are located on top of each product and lug receivers are located near the base. Each lug fits snugly into the receiver allowing each **STURDY** Road Guard to lock into the next.

# STURDY Musoirs



The **STURDY** Road Divider (Musoir) is designed to alert motorists of upcoming road intersections and slip roads as per European Road Network requirements.

Each divider is fitted with class 2 reflective material as standard but can be fitted with other grades upon request.

It is manufactured from UV stabilised polyethylene, which is a strong durable plastic. A flexible rubber type material is also available upon request.

The Musoir can be anchored in place using clamps and bolts, sand or water. It can be provided with opening back hatch which can accommodate the storage of sand or salt.

It is also suitable for segregation at toll booths, airports and security areas.

The Road Divider (Musoir) is available in green for national routes and blue for motorways.



## DIMENSIONS

**Small Musoir**  
Width: 1,070mm  
Depth: 790mm  
Height: 1,210mm

**Large Musoir**  
Width: 2,000mm  
Depth: 1,400mm  
Height: 1,660mm

# STURDY Abutment Bollard

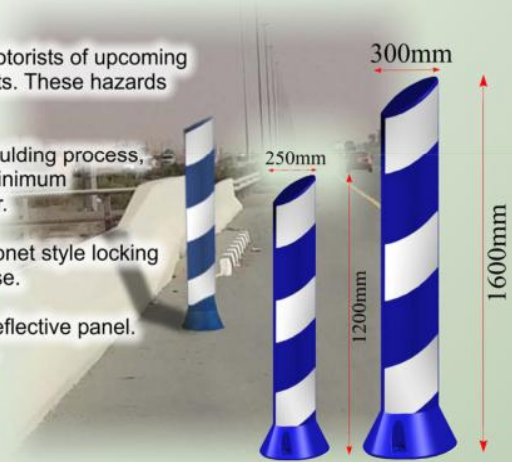
The **STURDY** Abutment bollard is designed to alert motorists of upcoming road hazards as per European road network requirements. These hazards can range from an embankment to an uneven surface.

Manufactured from polyethylene plastic, by rotational moulding process, gives a flexible one piece product that will result in the minimum amount of damage to any vehicle, should an accident occur.

The bollard comes with a base receptacle and has a bayonet style locking mechanism which allows the pole to be installed with ease.

The Abutment Bollard comes with a class 2 high grade reflective panel. These consist of white and blue stripes of 250mm apart.

These bollards come in two heights; 1.2m and 1.6m.



# STURDY Pedestrian Barrier

**STURDY**'s Pedestrian Barrier is best for functionality and durability and is an ideal solution for pedestrian areas.

It is manufactured with UV stabilized polyethylene which makes it durable and corrosion resistant.

Its ease of handling and unique stacking system makes it an all round winner with contractors for transporting and storing.

The Barrier comes in 1.75m lengths, which enables it to be used in tight areas, such as covering manhole covers, without creating major inconvenience to pedestrian or road users.

It is easy to maneuver and handle and is designed to fit easily in most service vans.

An optional extra is to have your company logo or name printed on the barriers is available.

Its unique design allows clear visibility to construction staff and pedestrian road users alike.



# STURDY Sloping Musoir Pole

The **STURDY** Sloping Musoir Pole is for use on diverging roads. Their unique design make them easily visible to drivers giving them plenty of caution of the diverging roads.

The poles are manufactured from UV stabilized polyethylene ensuring maximum life and durability. The poles are strong enough to withstand the elements and yet light enough as to cause minimal harm in the event of a vehicle accident. These poles are designed to shear off at the base if a vehicle runs into them.

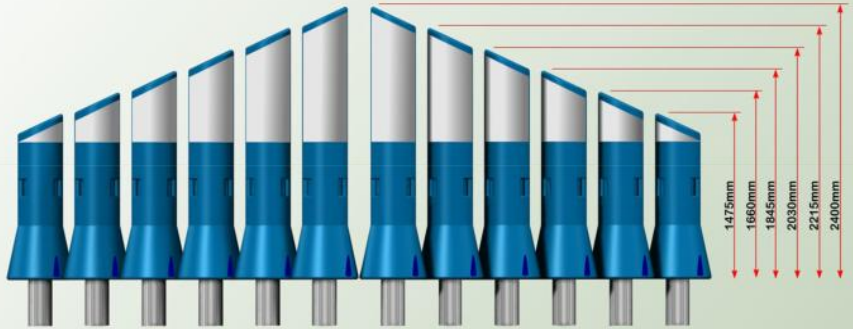
The poles have a curved surface angled upwards to catch the most light and ensure best visibility to road users. They are designed for use on narrow chevrons.

There is class 2 high quality reflective material on the front of the poles in the shape of directional arrows.

The base of these poles are fixed into a ground receptacle for ease of fitting and quick replacement.



# STURDY Musoir Poles



The **STURDY** Musoir Road Poles are designed to aid safety and alert motorists of upcoming road intersections and slip roads as per European Road Network requirements.

Each set consists of 12 poles which are fitted with class 2 reflective material as standard but can be fitted with other grades upon request.

The poles are fitted in position using a steel receptacle base which is embedded in the ground. The poles slot into these receptacles and are then fixed to these receptacles using two bolts.

The Musoir Road Poles incorporate integral handles to aid the operator during installation.

The poles are aerodynamically designed, so as to allow wind and turbulence caused by vehicles to pass around each pole, thus reducing the wind resistance.

They are manufactured from UV stabilised polyethylene, which is a strong durable plastic.

The Musoir Road Poles are available in two standard colours - green for national routes and blue for motorways.

The poles measure 600mm X 400mm at the base. The individual heights are outlined in the graphic above. These heights are highly visible which enhances safety because they are so visible.

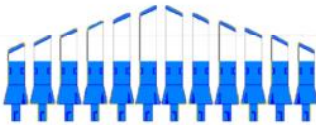




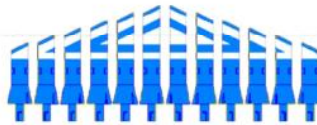
# STURDY Musoir Poles



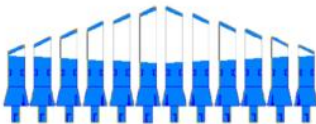
OPTION 1



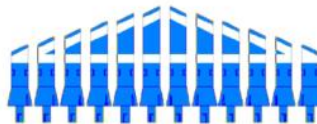
OPTION 3



OPTION 2



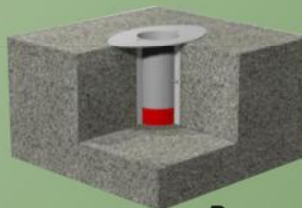
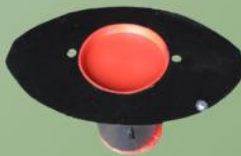
OPTION 4



Reflective layouts



Complies with international standards



Base receptacle



# STURDY Accessories



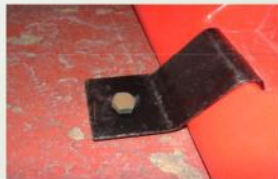
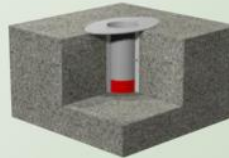
Abutment Post  
receptacle



Delineator Pole  
receptacle



Musoir Pole  
receptacle



Road Guard Clamp



Musoir Clamp



Anchor bolt in Sloping  
Musoir



Salt/ Grit Scoop



Musoir Filling hatch  
(for water or sand)



Salt



Sand/ Grit



Quick setting grout



Road Guard filling hole  
(for water or sand)

# STURDY Grit Bunkers

**STURDY**'s range of Grit and Salt Bunkers are manufactured from UV stabilised polyethylene plastic. This provides a robust product which will ensure constant use in areas of high pedestrian traffic. The grit bunkers will not rust or rot and no painting is ever required. The product will not discolour or deteriorate though long term exposure to the elements.

The **STURDY** range of Grit and Salt Bunkers have a wide opening to allow for ease of filling and for the extraction of grit, salt or sand.

The bunker is ideal for roadside storage, car parks and company premises. An empty grit bunker is lightweight and can easily be moved into position by one person.

The top of the bunkers are designed to prevent the collection of snow and rainwater while the hinged lid itself helps to protect the salt and grit from the elements.

The standard colour is yellow and as an optional extra your company logo or signage can be printed on the product.



Capacity:	1665kg
(dry sand)	
Length:	1400mm
Width:	1100mm
Total Height:	1390mm
-with no castors:	1150mm
Code:	490-A



Capacity: 325kg	13 bag	Capacity: 575kg	23 bag	Capacity: 1150kg	43 bag
Length:	800mm	Length:	800mm	Length:	1000mm
Width:	635mm	Width:	850mm	Width:	1150mm
Height:	780mm	Height:	800mm	Height:	1020mm
Code:	474-A	Code:	474-A	Code:	474-A

## STURDY 225kg Grit Bunker

Capacity: 9 Bag

Length: 985mm  
Width: 595mm  
Height: 620mm

Code: 410-A



## STURDY 250kg Grit Bunker

Capacity: 13 Bag

Length: 1020mm  
Width: 520mm  
Height: 720mm

Code: 471-A



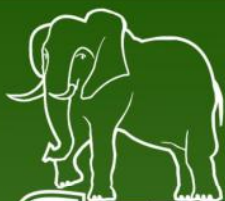
## STURDY 400kg Grit Bunker

Capacity: 16 Bag

Length: 1200mm  
Width: 725mm  
Height: 750mm

Code: 472-A





**STURDY**  
PRODUCTS LTD

## **STURDY PRODUCTS LIMITED**

**Blessington Industrial Estate,  
Blessington,  
Co Wicklow,  
Ireland**

**Tel: +353 (0)45 865044**

**Fax: +353 (0)45 865721**

**E-mail: [sales@sturdyproducts.com](mailto:sales@sturdyproducts.com)**

**Website: [www.sturdyproducts.com](http://www.sturdyproducts.com)**

