



# Traffic Calming Range

[www.rtl.co.nz](http://www.rtl.co.nz)

0800 785 744

## Upgrading Road Safety

Check out our diverse range of road safety products designed for traffic calming and managing vehicle speeds, delineation & separation of roads and cycle lanes, and to improve walking and cycling safety.

We've curated the most relevant products for you in our brochures. You can also access digital versions of all our brochures on our website.

If you can't find what you need in our brochures or on our website, feel free to reach out to us for additional information.

We have a dedicated sales and support team across New Zealand, including branches in Auckland, Wellington, Christchurch and Invercargill.

For any further assistance, don't hesitate to contact us directly on 0800 785 744.

Check out our website: [www.rtl.co.nz](http://www.rtl.co.nz)



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# Cycle Safety

A bike is a mode of transport and, just like a car, bus or truck, cyclists and motorists have equal rights and an equal responsibility to share the road safely. With more and more people getting on their bikes, whether it's to commute to work, to benefit from the exercise or just to be out with the family, it is vitally important to ensure that cyclists in those shared lanes are protected. RTL has a range of products to do just that job.

## FG 300 Curb System

The FG 300 Curb System is a lane separation system that provides efficient and cost effective channelization of traffic on motorway, roadways and inner city streets.

This one piece curb system is an approved, passive traffic control device consisting of modular raised curb sections mountable by emergency vehicles when required. When you add your choice of FG 300 post then it creates a dramatic picket fence effect and increases the visual barrier.



### Specifications:

L: 965mm  
W: 200mm  
H: 50mm

### Features:

- Low maintenance with super-tough polyurethane posts
- Moulded with solid colour throughout
- Curb sections are impact tested at 112kph
- Internal radial rib structure which supports 4.5 tonnes of loading



*Solid Delineation - increase number of sections to suit your site requirements*

## FG 300 Post Models

We have two standard models the UR and the EFX posts that fit into the FG300 Curb System. The FG 300 UR model and EFX are both made from polyurethane, the toughest flexible polymer on the market today.

Polyurethane provides high tensile and elongation properties, with superior resistance to tearing and puncture. The polymer maintains its flexibility to -46°C, and its toughness during exposure to fuels, oils and grease. Polyurethane is simply the material of choice for "can't fail" applications.

The urethane polymer alloys used in the FG 300 UR & EFX models absorb impact far better than polyethylene, allowing these posts to sustain numerous hits at high speed. A longer lasting post is a safer post for your roadways.

### Main Applications:

- Pedestrian Protection
- Channelization
- Detour Operations
- Traffic Island Ends
- Objects and Hazards
- Parking Lots

### Specifications:

H: 930mm  
W: 200mm  
H: 50mm

Entire  
System  
NCHRP-350  
Approved



*Cycle Lane Concept*

# Product Information

## FG 300 Delineators

### Features:

- Low maintenance system with super-tough polyurethane upright posts
- Both curb sections and upright posts are impact tested
- Curb sections are moulded with solid colour throughout, no painting is required
- The internal radial rib structure of curbs supports 4.5 tonnes of loading
- Underside of the curb has been designed to allow water through
- One person can install the curb sections in just minutes
- Design allows for circular or curved installations
- No moving parts to replace, no metal parts
- Curbs are covered by 5-year pro-rated warranty
- Entire system is tested & NCHRP 350 Approved!
- Interlock modular design provides one solid line of delineation

### Range:

- UR - Standard model
- EFX - 65% stronger than UR model & better UV stabilisation

### Rated to:

**50** impacts  
at **96** kmph

### Clover Leaf Design:



### FG 300 UR

The FG 300 UR model has become the industry standard for toughness, impact resistance and long-lasting performance.

The FG 300 UR model has been developed to meet the rigorous demands of high-speed, 2-way, 2-lane operations.

The UR post greatly improves safety by reducing the time that workers have to spend in the roadway maintaining channelizing devices.



### FG 300 EFX

The EFX model represents a breakthrough in urethane chemistry.

This post is 65% stronger than our UR model, with increased resistance to tearing and greater stiffness translates to the toughest post you can buy, suitable for the most challenging installations on your roadways.

The post is strong enough to support an array of vertical panels for increases visibility and directional information.

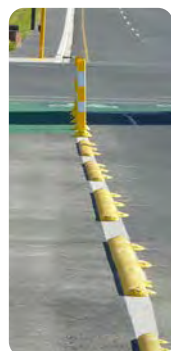


## Riley® Kerb Cycle Delineators

The Riley® Kerb is a rumble device in the vehicle lane to alert drivers they are crossing into a cycle lane, it's made from yellow recycled rubber and has built in reflectors. It offers protection for cyclists and contours to road surface and curves.

A typical installation could be 2m of Riley® Kerb with a 1m gap to allow cyclists to enter and exit the cycle lane.

The Riley® Kerb can also be used in conjunction with our FG 300 surface mount channelizer.



### Main Applications:

- Squeeze points at intersections and roundabouts
- School zones - entry and exit points for cyclists
- Approaches to pedestrian crossings, particularly around school zones
- Locations where the pavement size increases or decreases
- Can be placed with 100mm gaps to allow for water to flow through
- On cycle paths at intersections to alert cyclists they are approaching a hazard



Riley® Kerb



Riley® Kerb with FG 300 Channelizers

### Specifications:

**Length:** 2000mm  
**Width:** 159mm  
**Height:** 25mm  
**Weight:** 2.5kg per section

### Installation / Fixings:

7x Fixings per Riley® Kerb section  
1x Epoxy tube for every 18x holes



# Riley® Kerb Cycle Delineator

A bike is a mode of transport and, just like a car, bus or truck, cyclists and motorists have equal rights and an equal responsibility to share the road safely. With more and more people getting on their bikes, whether it's to commute to work, to benefit from the exercise or just to be out with the family, it is vitally important to ensure that cyclists in those shared lanes are protected. RTL has a range of products to do just that job.

## Riley® Kerb Cycle Delineators

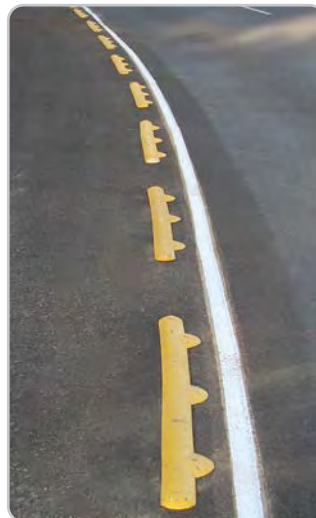
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For additional visibility, we recommend Riley® Kerbs are used in conjunction with our FG 300 surface mount channelizer.

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Riley® Kerb



Riley® Kerb with FG 300 Channelizers

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### FG 300 EFX

The EFX model represents a breakthrough in urethane chemistry. This post is 65% stronger than our UR model, with increased resistance to tearing and greater stiffness translates to the toughest post you can buy, suitable for the most challenging installations on your roadways. The post is strong enough to support an array of vertical panels for increases visibility and directional information.



### Rated to:

**50** impacts  
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### Clover Leaf Design:



### FG 300 UR

The FG 300 UR model has become the industry standard for toughness, impact resistance and long-lasting performance. The FG 300 UR model has been developed to meet the rigorous demands of high-speed, 2-way, 2-lane operations. The UR post greatly improves safety by reducing the time that workers have to spend in the roadway maintaining channelizing devices.







## Rubber Speed Cushions & Pedestrian Crossings

We offer recycled rubber, modular speed cushion and pedestrian crossing solutions, designed so that you can create the size that suits your needs. They are simple and quick to install and they can be easily removed for road resurfacing or relocated to other locations. Unlike asphalt and concrete options which are destroyed during removal, the recycled rubber options are simply removed and reinstalled.

### Features & Benefits

- Completely customizable to suit the size you need
- Simple & cost effective installation
- Modular design
- Manufactured from recycle rubber
- Removable & re-useable
- Can be installed onto concrete or asphalt surfaces

### Speed Cushions

Speed cushions are a tried and proven traffic calming device and our recycled rubber cushion is designed to reduce accidents, lower speeds and reduce noise.

The modular design allows you to create your desired length, and the sections inter-lock and are secured underneath to form a robust, long lasting speed cushion.

#### Main Sections:

- Available in left and right hand sections
- 4 sections (2 x left & 2 x right) make up a 1.6m wide speed cushion, with a 2 metre travel distance



#### Main Sections:

- 800mm x 1000mm LH or RH 45kg

#### Middle Sections:

- 100mm x 1000mm 10kg
- 200mm x 1000mm 15kg
- 300mm x 1000mm 20kg
- 500mm x 1000mm 35kg

### Pedestrian Crossings

The pedestrian crossings can also be constructed to any length and width as each modular piece is 500mm x 500mm and 75mm high.

They are made up of square mid sections with ramp and corner sections again these section interlock to give you a robust and long lasting crossing.

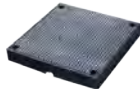
#### Specifications:

Each piece is 500mm x 500mm and 75mm high

#### Sections:



Corner Section  
(12kg)



Middle Section  
(Black (17kg) or White (19kg))



Ramp Section  
(11kg)





## Rubber Roundabouts

Rubber Roundabouts are proven safety treatment for an intersection. TCA Rubber Roundabouts have been in use in Australasia for more than 10 years with outstanding success. The specially designed segments are manufactured from recycle rubber and are only a fraction of the cost of conventional methods. The modular design enables you to get the right size for the situation. 6M diameter is a popular size, but sizes can range from 3mtr up to up to 21.4mtrs.



Terracotta Sections  
installed in Timaru, NZ

Once the sections are installed the centre is filled. (customer supplied) Filling options vary depending on the environmental surrounds - ie topsoil & grass / concrete / pavers etc All segments are interlinked and feature a Cat Eye Reflector for better visibility at night & incremental conditions.



Standard Black / White rubber sections  
with brick / grass infill.



Rubber can easily be removed for road resurfacing or relocated to other locations. Unlike asphalt and concrete options which are destroyed during removal, the recycled rubber options are simply removed and reinstalled.

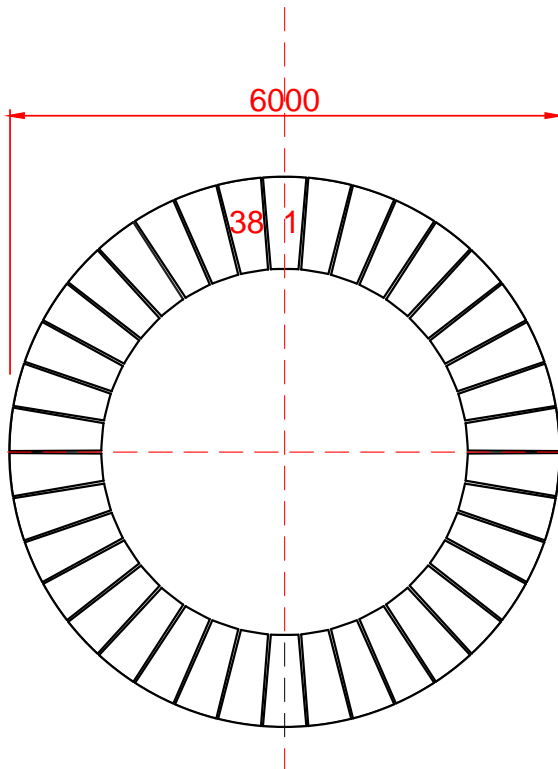
### Features & Benefits

- Completely customizable to suit the size you need
- Simple & cost effective installation
- Modular design
- Manufactured from recycle rubber
- Removable & re-useable
- Can be installed onto concrete or asphalt surfaces



## Dimensions

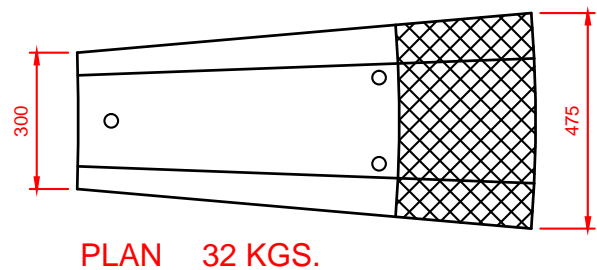
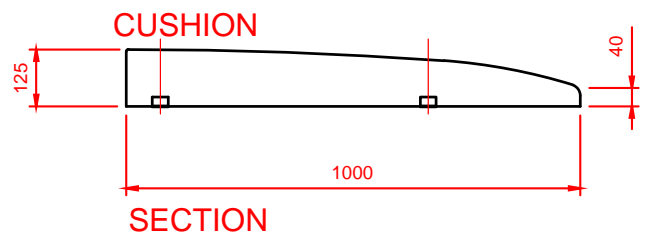
### Main Sections



INFILL: Customer supplied - topsoil & grass / concrete / pavers

### Example

Sections are 40mm high (front) and 125mm high (back). Widths vary depending on the diameter of the roundabout required.



### Also Available: 3m Mini Roundabout



- **Manufactured from recycle rubber**
- **Removable & re-useable**
- **Simplified methodology: Drill and fix**
- **Install onto concrete or asphalt surfaces**

With it's compact design, the mini rubber roundabout is designed for use in smaller streets, urban environments, carparks and on major projects. A standard 3m mini roundabout is made up of 12 x segments for the circle and 2 x segments for the centre infill. Each section is installed with 150mm Coach Screw with Fischer Nylon Plug Epoxy inserted in every hole for 7 times more holding strength.

- Manufactured from Recycled Rubber
- White EDPM Rubber at the front
- Height: front: 20mm- back: 100mm
- Length: 1000 mm
- Diameter: 3mts (1.5 radius)
- Weight: 20kgs per segment
- Centre: 35kgs per segment







## 3M Mini Rubber Roundabouts

With its compact design, the mini rubber roundabout is designed for use in smaller streets, urban environments, car parks and on major projects. A typical install takes around 30 minutes, drastically reducing disruption and cost of traffic management. The units can be installed on either asphalt or concrete and can be removed or relocated if required.



- **Simplified methodology: drill and fix**
- **Manufactured from recycle rubber**
- **Install onto concrete or asphalt surfaces**
- **Removable & re-useable**

A standard 3m mini roundabout is made up of 12 x segments for the circle, (2x fixings each) and 2 x segments for the centre infill, each with 3 x bolts holes. Each section is installed with 150mm Coach Screw with Fischer Nylon Plug and epoxy inserted in every hole for 7 times more holding strength.

- Manufactured from Recycled Rubber
- White EDPM Rubber at the front
- Height: front: 20mm- back: 100mm
- Length: 1000 mm
- Diameter: 3mts (1.5 radius)
- Weight: 20kgs per segment
- Centre: 35kgs per segment



### Why use rubber products?

RTL have a wide range of rubber products, made from recycled rubber which has a faster install and less cost associated compared to concrete. Rubber can be used permanently, but also great for short term use, like projects, council feasibility studies, community feedback carried out by councils. Our range includes larger rubber roundabouts and curb systems, including bullnose sections, semi mountable kerbs and barrier kerbs.

Give our Team a call to discuss your next project: 0800 785 744 or [sales@rtl.co.nz](mailto:sales@rtl.co.nz)



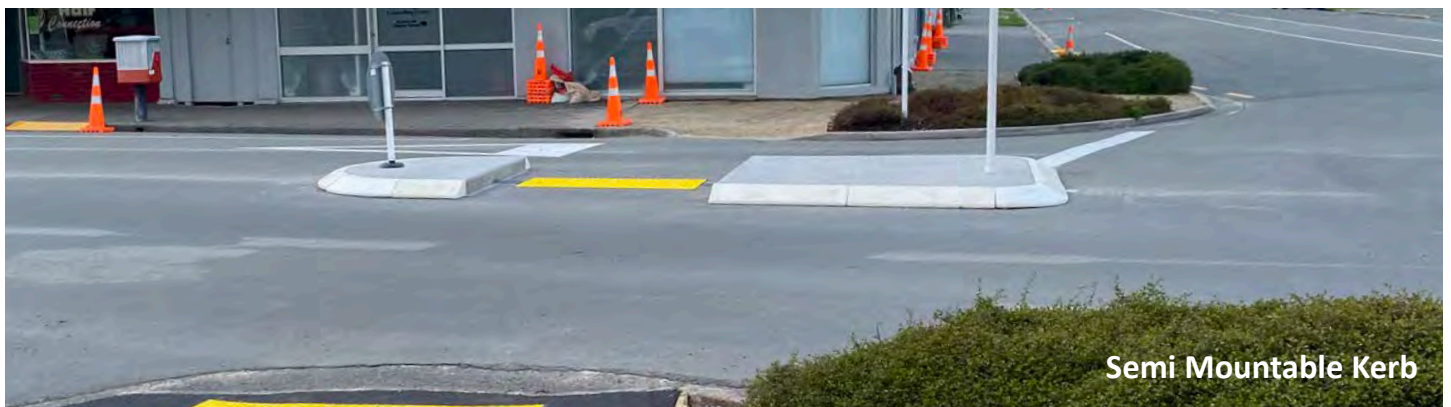


# Rubber Kerb

## Modular

Our Rubber Kerbs are a great alternative to traditional concrete curbs used for Traffic islands / Mid-block islands, pedestrian crossing islands and refuge splitter islands. The sections are manufactured from recycled rubber giving you a professional looking finish, and being modular in design, the island size can be changed based on the specific site requirements.

The Kerbs are available in two different profiles; semi mountable kerb and semi barrier kerb. Both options are available in 1m straight sections and 300mm, 500mm and 1000mm radius pieces. Custom shapes can be achieved by making basic mitre cuts.



Semi Mountable Kerb



Semi Barrier Kerb

### Features & Benefits

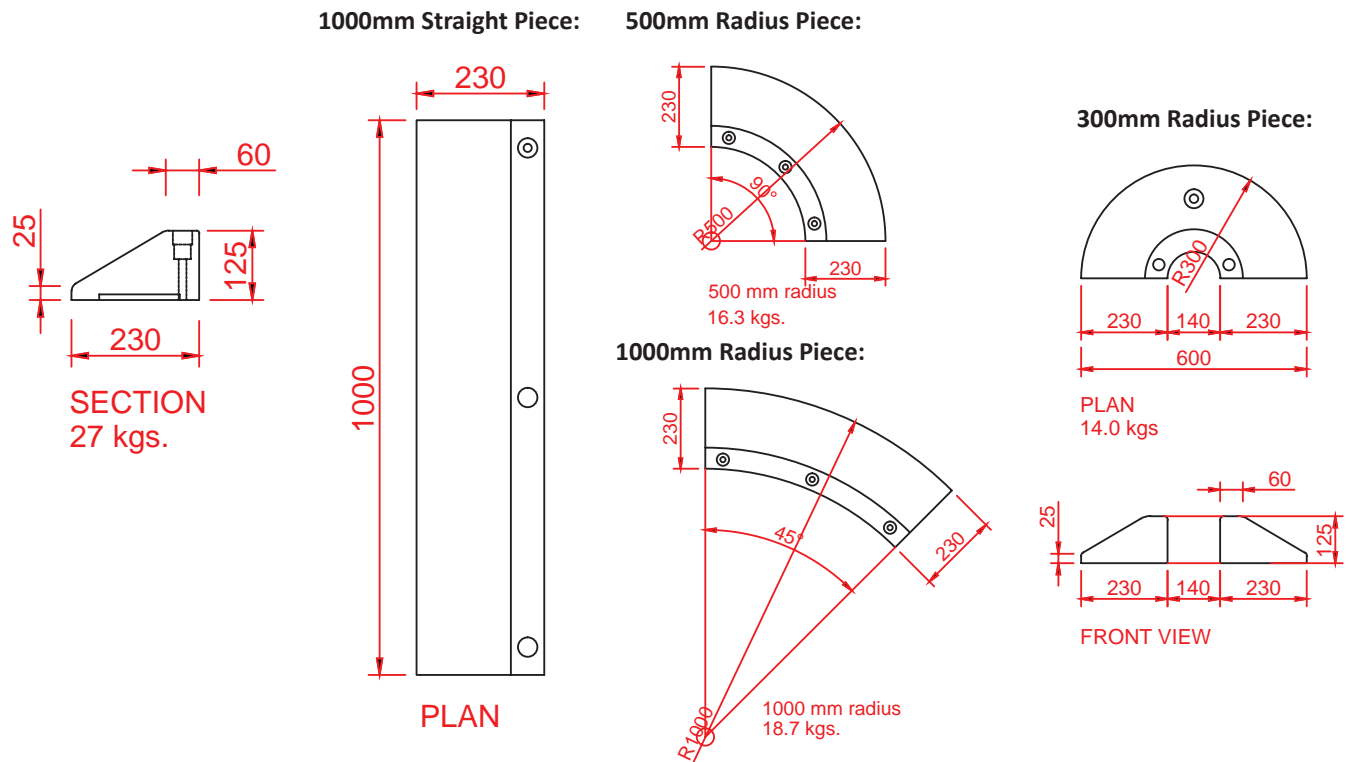
- Completely customizable to suit the size you need
- Simple & cost effective installation
- Modular design
- Manufactured from recycle rubber
- Removable & re-useable
- Can be installed onto concrete or asphalt surfaces



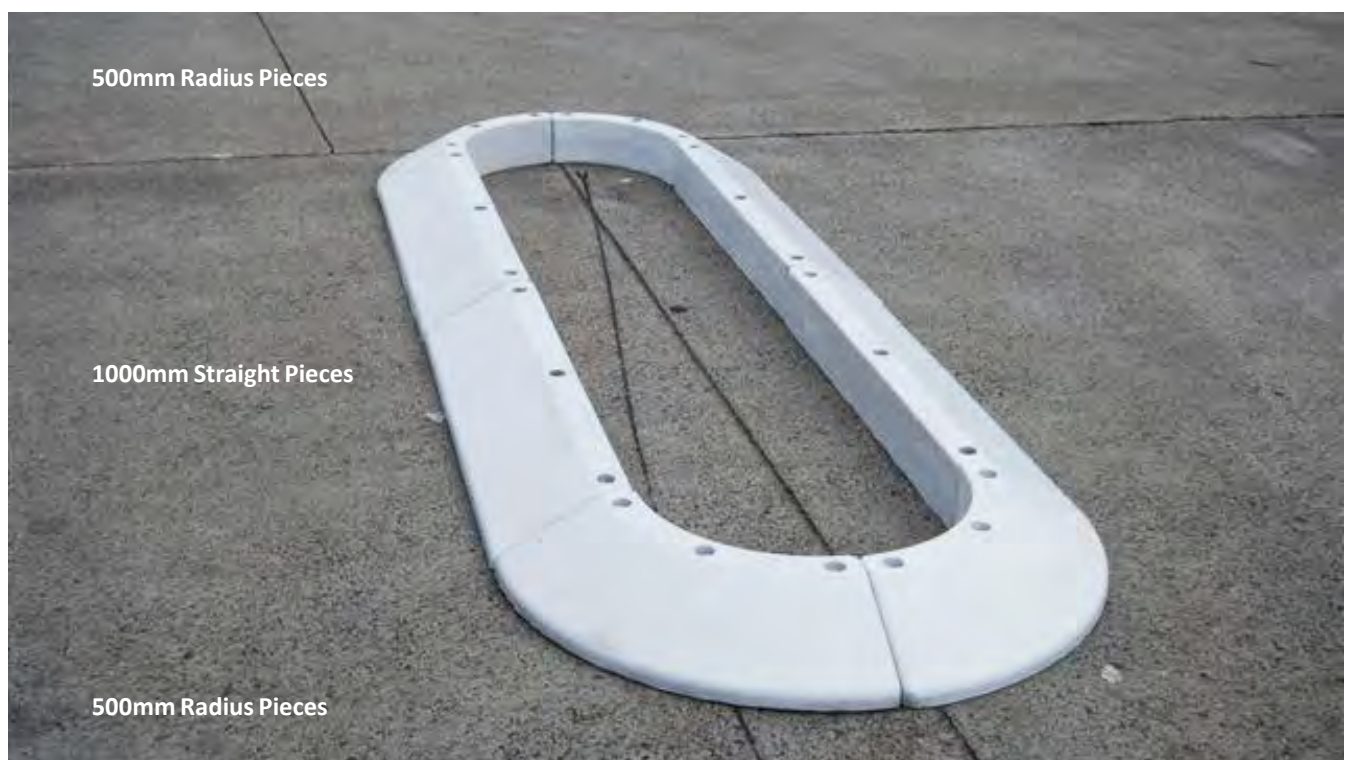


## Semi Mountable Dimensions

### Designs



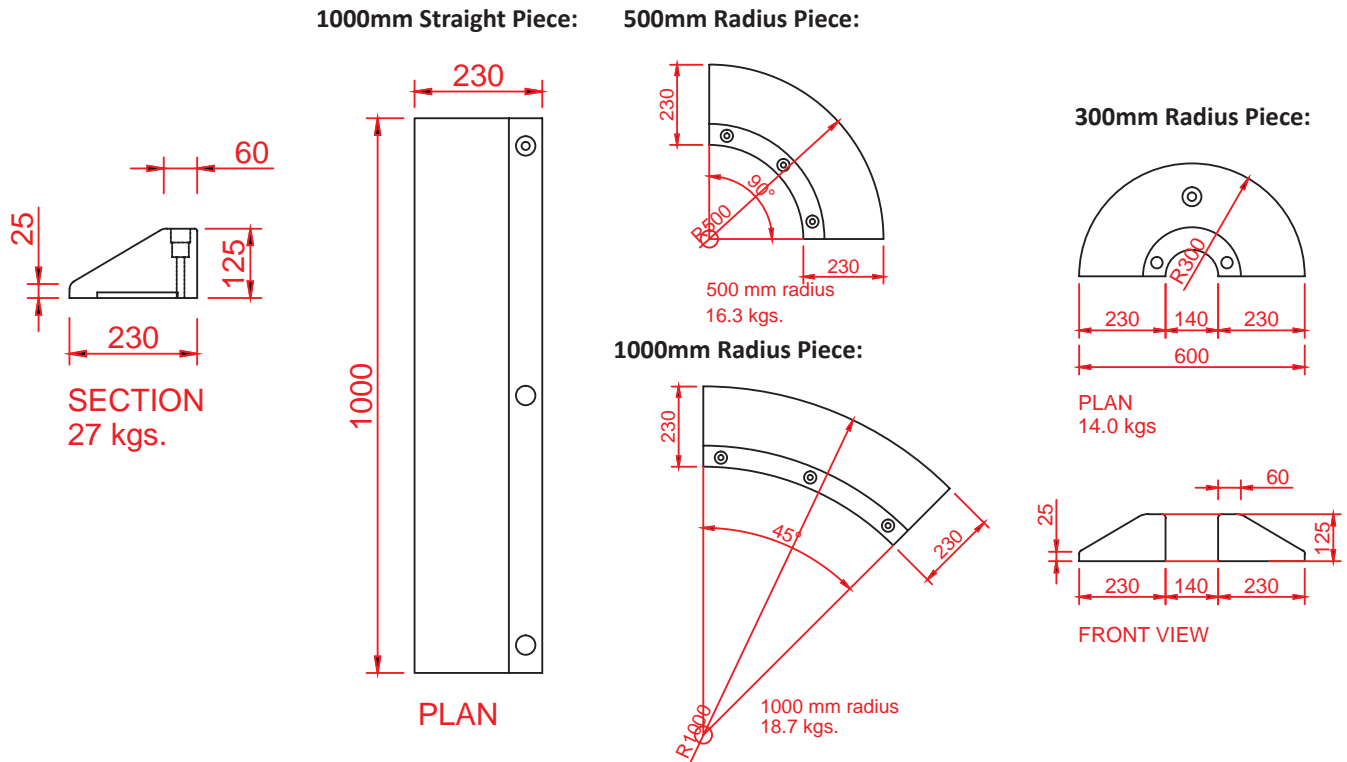
### Sections



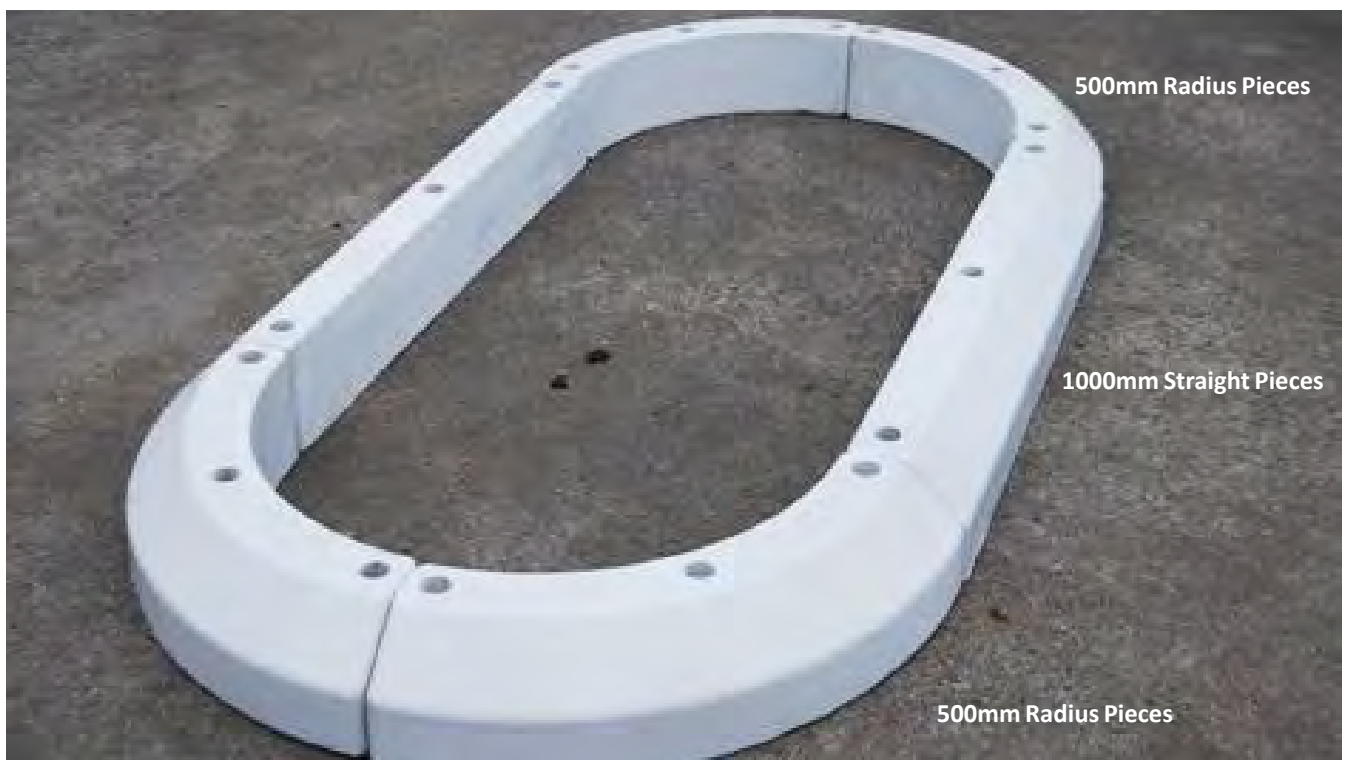


## Semi Barrier Dimensions

### Designs



### Sections







# Wheel Stops & Speed Humps

Our Wheel Stops and Speed Humps are part of our wider suite of traffic calming products. They are installed to create a safe environment for both vehicles and pedestrians within the confined area of a car park. Both the Wheel Stops and Speed Humps are fully compliant to AS/NZ 2890.1:2004 standards and are manufactured from rubber, highly durable and easy to install.

## Rubber Wheel Stops



**RTL Product:** Wheel stop  
**Stock code:** MH28 101



Wheel Stops are ideal for effective delineation of parking areas and are used for the protection of walls, gardens, vehicles and other areas. Wheel Stops are an essential part of any car park, designed to inhibit encroachment into an opposing parking space, or contact with a building or high curb. Recommended for use on level surfaces.

**Rubber Construction**  
**Visible**  
**Durable**

A wheel stop that will not warp, crack or rot  
Yellow reflectors for increased visibility for both pedestrians and motorists  
UV stable and resistant to moisture, oil and extreme temperature variations

**Flexible**  
**Easy to Install**

Allows conformity to the contour of virtually any road surface  
16.5kg makes them easy to handle & able to be installed by only one person, it requires three fixings

**Compliant**

Fully compliant to AS/NZ 2890.1:2004 standards.

## Modular Speed Humps



**RTL Product:** Middle Section (Black/ Yellow)  
**Stock codes:** MH27 7EA

Yellow End Cap MH27 7A  
Black End Cap MH27 7B

Speed Humps are ideal for traffic and pedestrian safety. They are best used in medium to low volume shopping centres, multi-level car parks, commercial driveways, service stations, and anywhere that you want to further reduce the speed of vehicles.

**Modular Design**

The overall length of the speed humps can be customised to suit your individual needs

**Rubber Construction**  
**Visible**

Creates a speed hump that won't chip, crack or rot  
Multiple reflectors for increased visibility for both pedestrians and motorists

**Durable**  
**Flexible**  
**Easy to Install**  
**Compliant**

Resistant to moisture, oil and extreme temperature variations  
Allows conformity to the contour of virtually any road surface  
Installed with four fixings per middle section and two per end cap  
Fully compliant to AS/NZ 2890.1:2004 standards.

Rated to a  
Maximum:  
20 ton truck  
@ 40km/h



**Wheel stops & Speed Humps: Part of our Car Park & Traffic Calming Range**