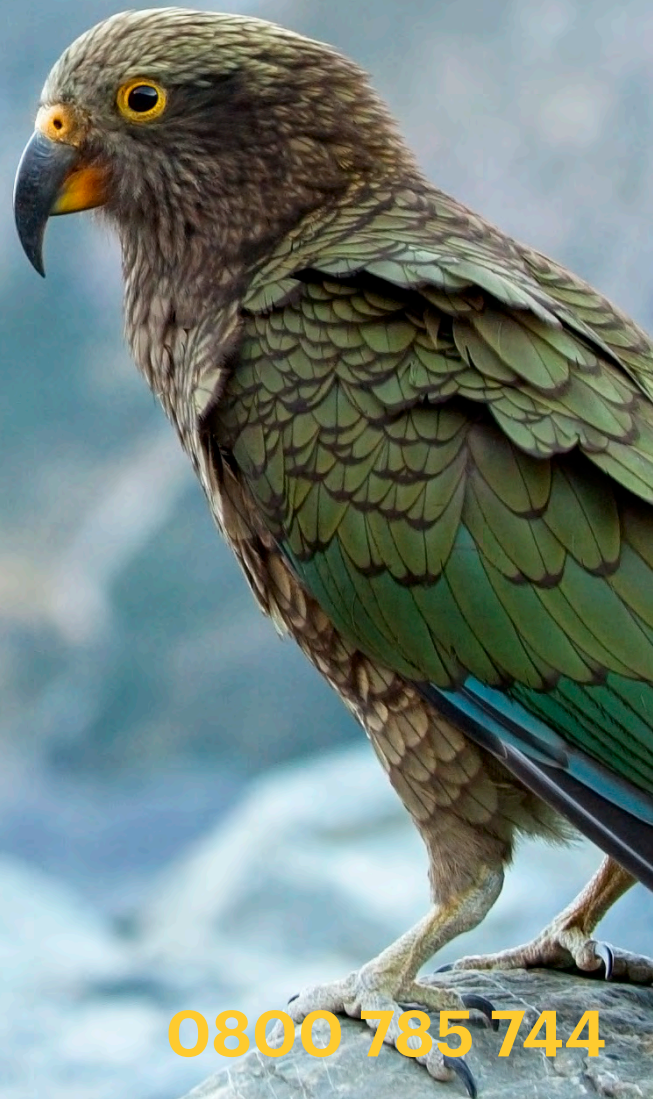




Road Safety Product Suite



rtl.co.nz

0800 785 744

Upgrading Road Safety

Check out our diverse range of products designed to enhance safety on local & state highways, including traffic calming, delineation, separation, plus walking and cycling safety, improving access, supporting public transport, wayfinding, and more.

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.

Check out our website: www.rtl.co.nz

 Follow us on [LinkedIn](#)

 Follow us on [Facebook](#)



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.

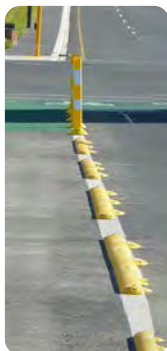


Riley® Kerb Cycle Delineators

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

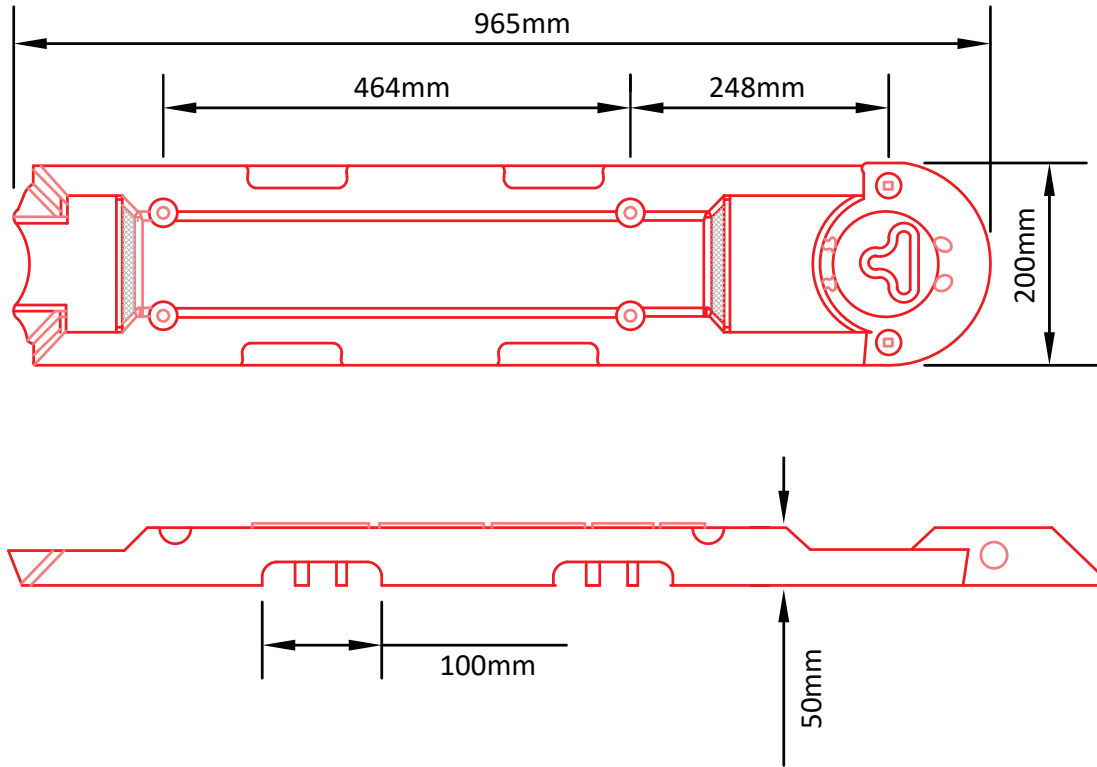
Installation / Fixings:

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

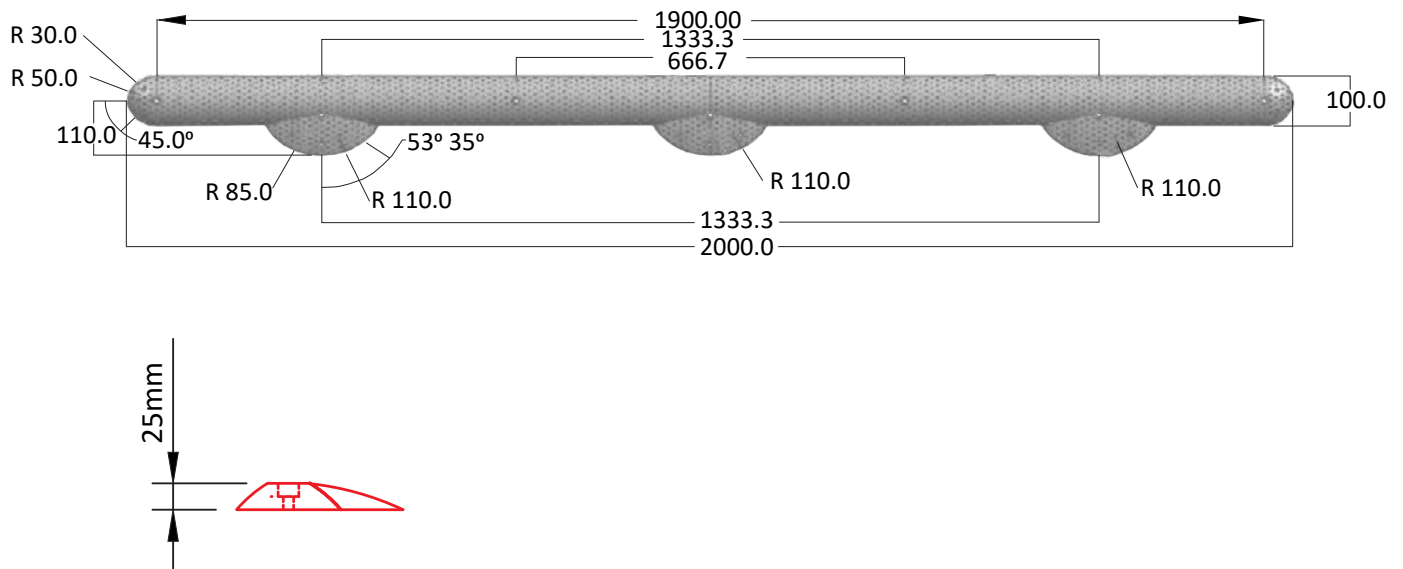


Product Specifications

FG300 Curb System



Riley® Kerb Cycle Delineator





Riley Kerb & FG 300 Installation Sheet

Riley Kerb Instructions

1. Layout the Riley Kerb sections onto the road in the required position
2. Drill holes approx 90mm using a 12mm masonry drill bit and hammer drill
3. Blow out the hole with an air hose and use a long air blower nozzle attached to the air compressor for each hole to remove any excess debris
4. Apply 8-10mm of Glue Epoxy into each hole - FIS P 380C Polyester
5. Inset Fixing with galvanized screw & washer using the nylon plugs provided (10mm x 100mm (13mm head)
6. Tighten fixing down and then your Riley Kerb should be secure

Note: There are 7 holes per Riley Kerb to drill. The glue is a two part epoxy which once mixed sets very quickly so you need to take that into consideration which drilling and applying glue.

Recommended Tools

Hammer Drill (12mm Masonry Bit), Generator, Electric Wrench Gun & Socket to fasten the coach bolt, Caulking Gun, Hammer, Stanley Knife and Pliers are handy to have.

FG300 Instructions

Layout the FG 300 Delineator onto the road in the required position, mark and then.

Using Self Adhesive Butyl Pads

1. Adhesive will adhere well to most clean, dry and well unified surfaces. Ideal application temperature is 10 to 37 degrees °C. All surfaces must be dust, dirt, oil and moisture free.
2. Assemble posts and bases together with the quick release pins provided. Wipe the spot on which the post will be placed.
3. Remove one side the release paper from the butyl pad and apply centered to the underside of the base press firmly on to the base. Remove the second side of the release paper. The base is now ready for installation onto the road.
4. Press the base onto the desired location on the road and apply firm downward pressure for 5 seconds. Flat front side should be facing the oncoming traffic.

Note: If you need to apply extra pressure when installing with Butyl pads you can stand or place your car tyre on top of the base (only) and then assemble the post after the base has been firmly secured to the road. You simply insert the post and secure using the pins provided.

Other installation options:

- Hot Melt Bitumen,
- Two Pot Epoxy
- Anchor bolts to suit asphalt or concrete



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

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.

For additional visibility, we recommend Riley® Kerbs are 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

FG 300 Delineators

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

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.

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
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.

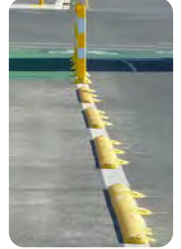




Installation & Fixings

Installation Instructions

1. Layout the Riley® Kerb sections onto the road in the required position with the flat edge towards the cycle lane
2. Drill holes approx 90mm using a 12mm masonry drill bit and hammer drill
3. Blow out the hole with an air hose and use a long air blower nozzle attached to the air compressor for each hole to remove any excess debris
4. Apply 8-10mm of Glue Epoxy into each hole
5. Inset Fixing with screw & washer using the nylon plugs provided (10mm x 100mm (13mm head))
6. Tighten fixing down and then your Riley® Kerb should be secure



Note: There are 7 holes per Riley Kerb to drill. The glue is a two part epoxy which once mixed sets very quickly so you need to take that into consideration which drilling and applying glue.

Recommended Tools:

Hammer Drill (12mm Masonry Bit), Generator, Electric Wrench Gun & Socket to fasten the coach bolt, Caulking Gun, Hammer, Stanley Knife and Pliers are handy to have.

Stock Codes



Riley Kerb:

Stockcode:
MC04 5010

Riley Kerb Cycle Delineation
2m long
7kg per section

Fischer Screws:

Stockcode:
MC99 M1010

M10 x 100mm
Fischer Screw (with moulded Washer) & Sleeve
7x Fixings Per Riley Kerb



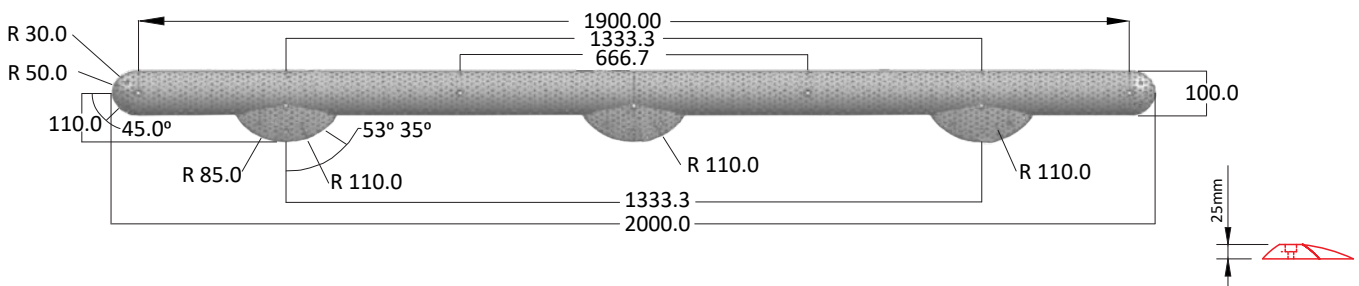
Epoxy Glue:

Stockcode:
MC99 P380

Epoxy Glue FISCHER P-380
(GB-I-P-E-PRC-JP)
1x Epoxy tube for every 18x holes



Measurements





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.

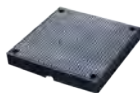
Specifications:

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

Sections:



Corner Section (12kg)



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



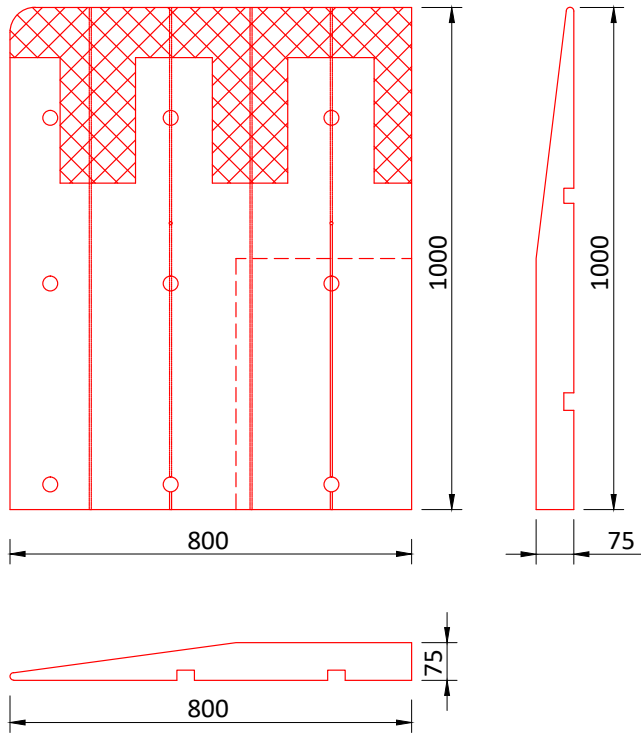
Ramp Section (11kg)





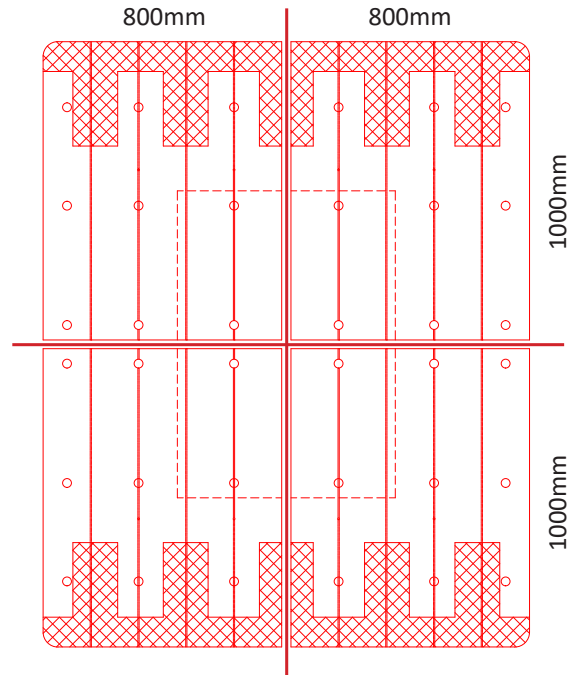
Speed Cushion Dimensions

End / Main Sections



Example

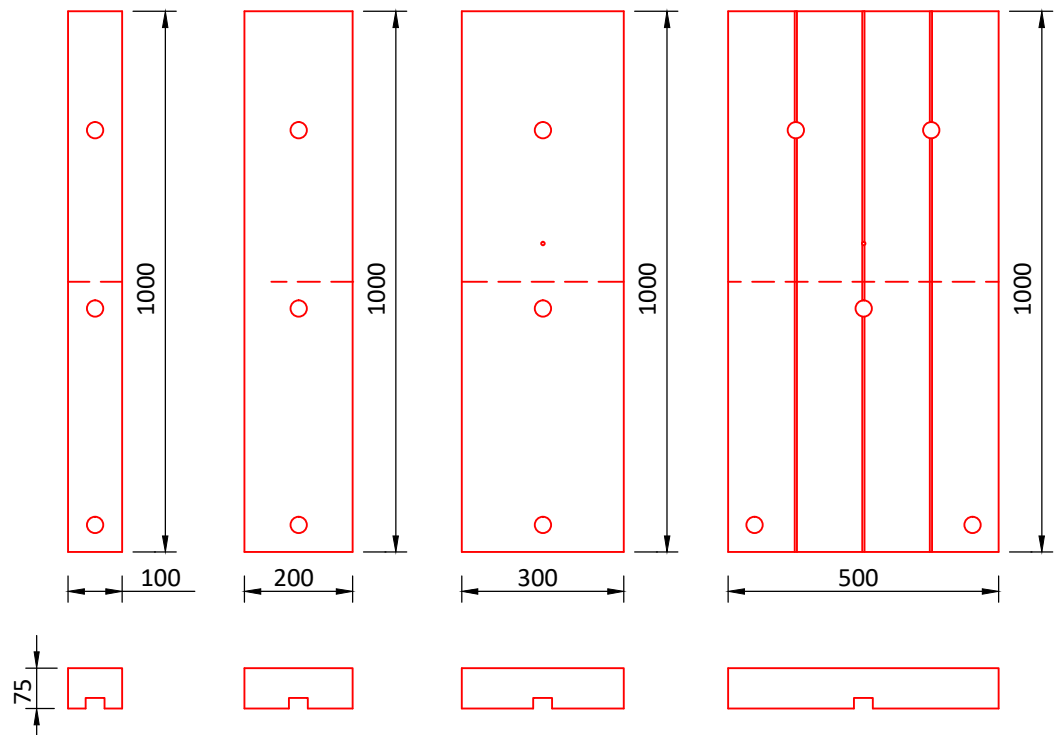
4 sections (2 x left & 2 x right) make up a 1.6mtr wide speed cushion, with a 2 metre travel distance.



Middle Sections

Middle Section Options:

- 100mm x 1000mm 10kg
- 200mm x 1000mm 15kg
- 300mm x 1000mm 20kg
- 500mm x 1000mm 35kg
- 800mm x 1000mm 45kg (LH or RH)





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.

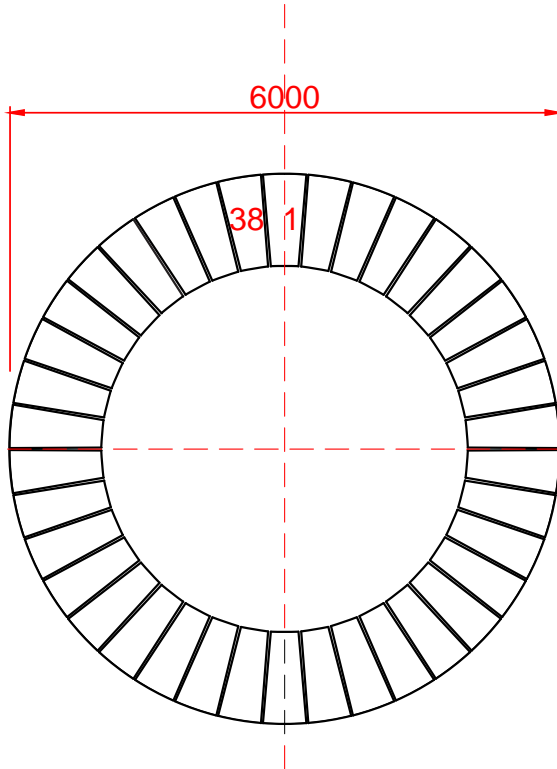
Features & Benefits

- 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

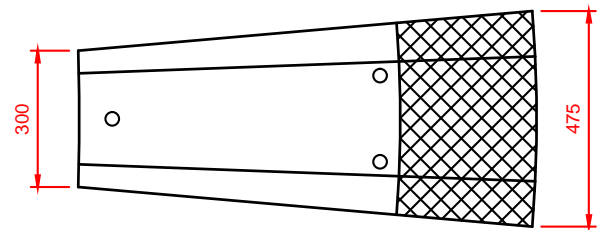
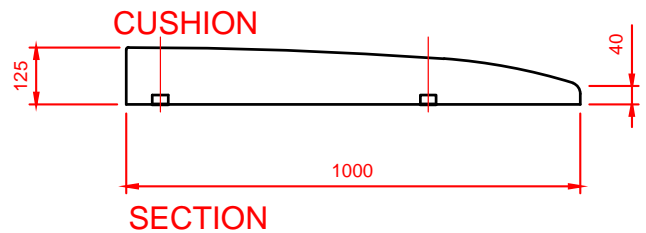
Main Sections



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.



PLAN 32 KGS.

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 fixngs 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

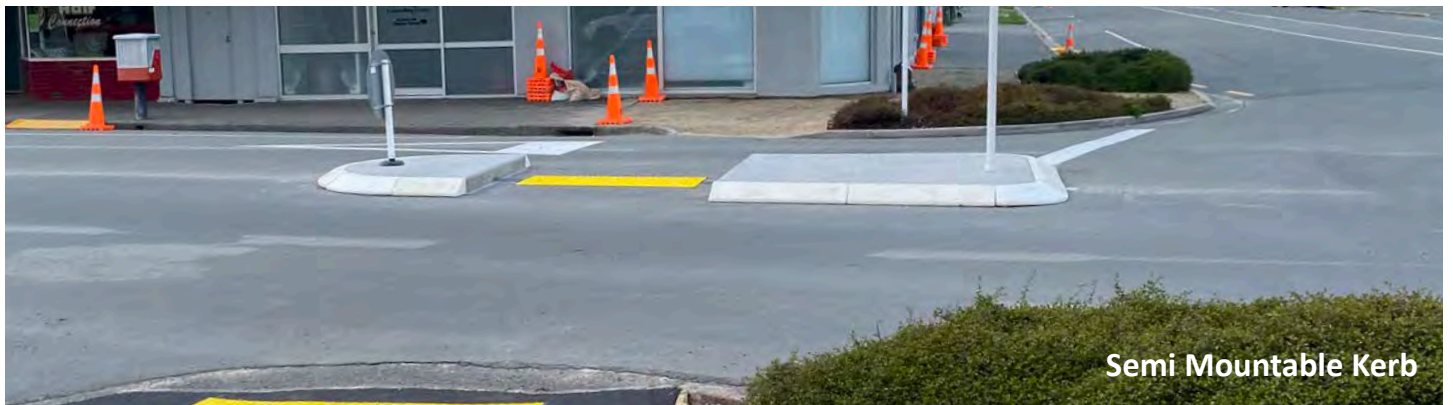


Rubber Kerb

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

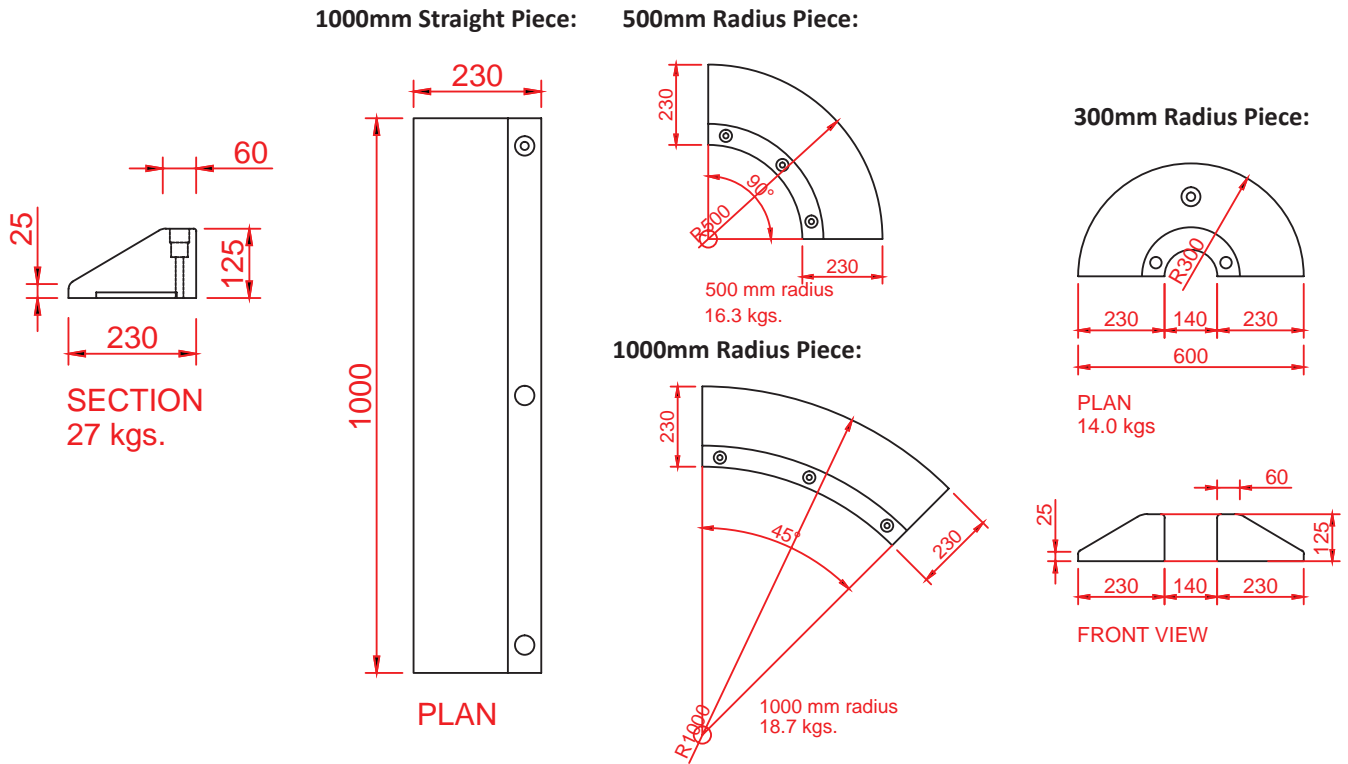
Features & Benefits

- 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

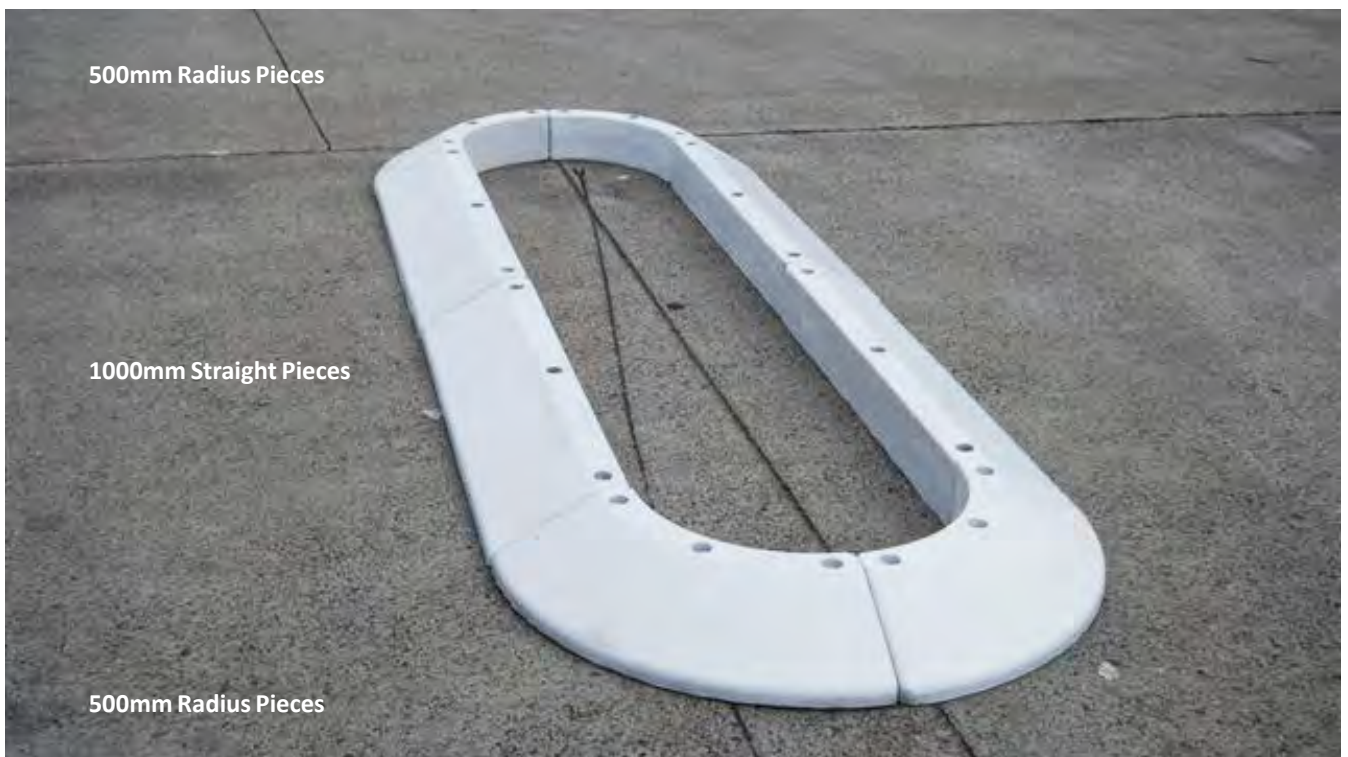


Semi Mountable Dimensions

Designs



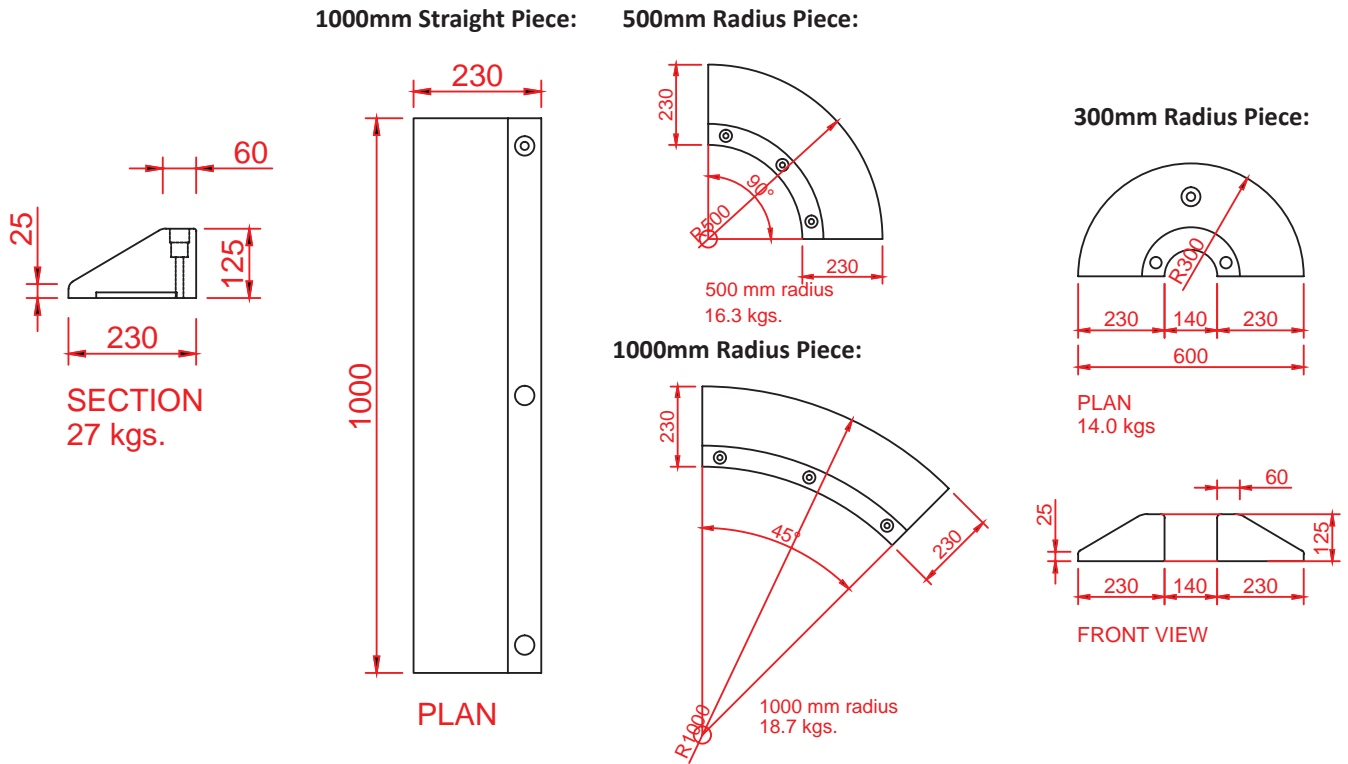
Sections





Semi Barrier Dimensions

Designs



Sections





Stayput School Patrol System

For School Patrol Crossings & Kea Crossings

RTL's Stayput School Patrol System is the go-to system for School Patrol Crossings & Kea Crossings. Our Stayput School Patrol System completely eliminates all the hassles associated with managing patrols by improving the whole process - from start to finish.

Install a new Stayput School Patrol System to substantially reduce the down time either side of the actual patrol times - no more transporting equipment to and from the crossing!

* **Improve Safety**

* **Save Time - Eliminate the Hassle**

* **Fully approved by NZTA**



[View our Youtube Channel and Stayput School Patrol Videos](#)



RTL's Stayput School Patrol System is the only system where the equipment does not need to be carried out each day to be set up for daily patrols. It simply stays out and is securely locked away into the top cover. All you need to carry out to each patrol is the key to unlock it!

- Provides a safer environment for school patrol teams
- Re-enforces education & safety in schools
- Our Stayput stays put - at the crossing ready to go!
- Customize the top cover with the school logo or mantra
- NZTA-approved for Pedestrian School Crossings & Kea Crossings

If you've recently installed a Stayput School Patrol, we'd love to hear from you. Email marketing@rtl.co.nz

For more information, please give us a call and talk to one of our team



Before Patrol Setup

With the Stayput, the setup process is significantly reduced. Staff just need to unlock the patrol arms and lower them down. Ready!



After Daily Patrol

After the Patrol, the School Patrol Arms are simply lifted up into the Stayput Top Cover, where they are stored and secured.



The RG28 School Patrol sign is stored in the top cover and is secured with the padlock.

To deploy, the supervisor simply unlocks the padlock, lowers the RG28 into place and secures it into place with the padlock through the bottom bracket.

After the patrol is finished just lift the RG28 School Patrol sign back up and lock it into the top cover.

By installing the Stayput School Patrol System, Schools can:

- Substantially reduce the down time either side of the actual patrol times - no more transporting equipment to and from the crossing, allowing more time in the classroom.
- Reduce the amount of valuable funding spent on repairing damaged school patrol equipment.
- Further improve safety, community spirit and ownership by customising the top cover with a school logo or mantra and adding a safety message "LOOK both ways and LISTEN before you cross the road".



Stayput School Patrol System - Approved for use at Kea Crossings

In 2019, NZ Transport Agency (Waka Kotahi) updated Traffic Control Devices Manual (TCD) approving the use of our Stayput School Patrol at Kea Crossings in Section 8.4(8).

Kea Crossings or School Crossing Points don't have an official pedestrian crossing, therefore the Stayput System and the 76mm Steel Poles are both standard white (without the black vinyl).

Please let us know when placing an order. Kea Crossing Kits are also available from RTL.





School Testimonial



**Glendowie
School**

217 Riddell Road, Glendowie, Auckland 1071, New Zealand
 Phone 00 64 9 575 7374 Fax 00 64 9 575 8293 Email office@glendowie.school.nz
 Website www.glendowie.school.nz

2 / 3 / 2022

To whom it may concern

We highly recommend the Stayput School Patrol system. Worth installing in every school.

What we most appreciate about the system:

- Students are able to set up crossing duty much more quickly.
- No longer need to store bulky signs.
- During covid restrictions - it was easy to allocate staff to do crossing duty when students were unavailable (no need to carry signs up the hill from the shed to the crossing). Just grab the key and we were ready to go.
- Much safer to set up in high winds . . . signs are under control at all times.
- Students definitely enjoy the new system - no longer having to carry heavy poles. Trying to anchor the old poles into position was also difficult for some.
- Very robust system.
- Personalized signage adds to the entrance of the school - great reminder for crossing rules too.
- Parents commented when they first went up - how professional the signage looks. Easy to read and our logo looks great.

Regards
 Christine Matos
 Deputy Principal
 Glendowie School





School Testimonial



17 The Crest, Pakuranga, Auckland | 5768031 | www.sunnyhills.school.nz | Principal: Ms. Justine Driver

9th July 2021

To Whom it may concern

The new Stayput School Patrol system was installed on the two Sunnyhills pedestrian crossings this term. The system is so much more user friendly for all concerned. Carrying the old heavy signs to the gate and trying to manage them in high winds has been problematic for years. Our student patrollers appreciate the change as this makes their task so much easier. It also means that the signs are always in place, easy to access and the storage is neat and tidy.

The safety messages support our Travelwise and community messaging for pedestrians. We love how they also are personalised with our school logo too! They have been a wonderful improvement.

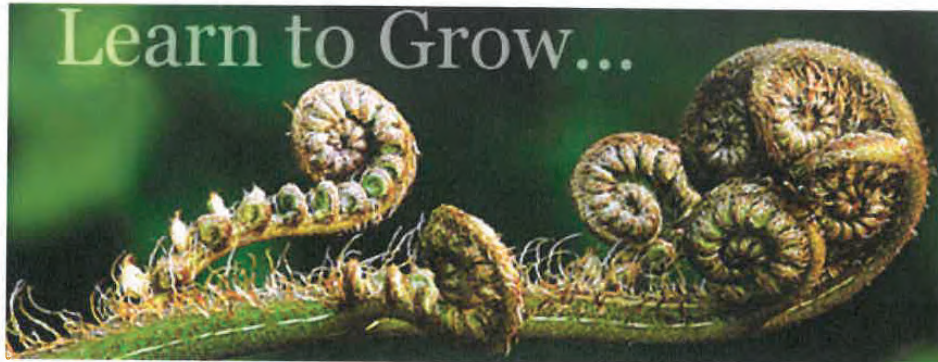
Yours faithfully
For: Sunnyhills School

Justine Driver
Principal





School Testimonial



Peter Marshall

Principal Greenhithe School

10/02/2016

To whom it may concern

We have the new Stayput School Patrol System installed at our school. This was provided by Kerri Cross. The system is wonderful. We now don't have to provide storage for the signs. On wet and windy the days the signs are already out where they are needed. They are hardy and we haven't had any breakages.

Finally and most importantly the children find them much easier to use on difficult days, that is days that are wet and windy.

These are a very good idea. One that I would thoroughly recommend.

Yours sincerely

Peter Marshall





Feedback from End Users

Council Contract Officer

- Damage to the STOP disc was common in the old carry-out system. Arms were often dropped & dragged with progressive damage to the disc or to the mounting points on the crossing arms. This issue does not exist with the new system.
- **Staff and parents have commented on the positive impact they have when seeing both the school crest and the crossing safety message on the disc covers. Fostering community ownership.**
- Staff and parents have also commented on the fact that they have often felt sorry for the smaller children when they have seen them staggering while carrying out the old crossing arms and that this will no longer be the case with the new installation.
- Patrol children have commented on how easy it is now that they don't carry the patrol arms out, only the flags.
- No negative comments received about the new installations.

School Principal

- There have only been positives and mainly around the storage system.
- The main benefits for us are that the signs are stored securely and the hinge system makes it easy to operate and maintain.
- **Wonderful new system.**
- Only positive - "love them".
- Easier for parents, easier for children and no need to store.

Patrol Staff & Supervisors

- **The new system is better because we just unlock and start. Safer, more convenient and quicker.**
- How they are stored is very effective and unobtrusive.
- They liked having reminders about safe crossing on the storage part of the new system.
- Easy to manage.
- The gear is always in the right place, easy for children to manage, great on wet and windy days.
- Better as no storage issues with large signs at night and during the day

Children who do the Patrols

- Prefer the new one because all you do is unlock and bring the sign down, easy as.
- It's much quicker as before we needed to go up 10 minutes earlier.
- **You don't have to set up everything and don't have to carry them out.**
- It looks tidy and it's easy for me to handle.
- It's easier and doesn't burn my arms.
- Doesn't break, easier to manage on windy days.
- Hands free to walk back to school.

Maintenance Person

- **The new system is preferred because it looks and operates better and stays at the crossing this means that I don't have to take it away and store it each term end.**
- Another benefit was noticed at one of the schools participating and they fed back that "since the students take less time to set up it saves on a bit of class time which is great."



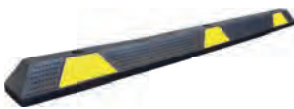
Wheel Stops & Speed Humps

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

Resistant to moisture, oil and extreme temperature variations

Flexible
Easy to Install

Allows conformity to the contour of virtually any road surface

Compliant

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

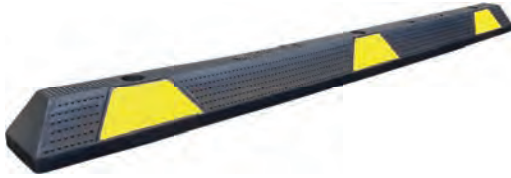


Wheel stops & Speed Humps: Part of our Car Park & Traffic Calming Range



Product Specifications & Installation

Wheel Stops



Length: 1650mm
Width: 130mm
Height: 100mm
Weight: 16.5kg

Stock code: MH28 101

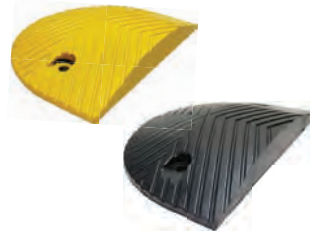
Speed Humps - Middle Sections



Length: 500mm
Width: 350mm
Height: 50mm
Weight: 7.10kg

Stock code: MH27 7EA

Speed Humps - End Caps



Length: 250mm
Width: 350mm
Height: 50mm
Weight: 3kg

Stock codes:
Yellow End Cap MH27 7A
Black End Cap MH27 7B

Fixings for Concrete

For Wheel stops: Sleeve Anchors* (12 x 130mm)
 RTL Code: MH27 DYN12
 Washer sold separately

For Speed humps: Sleeve Anchors* (10 x 75 mm)
 RTL Code: MH27 DYN10
 Washer sold separately

For Both: RTL Washer Code: MH27 WASHER

* Sleeve anchors are also known as Dynabolts or Masonary Anchors™



Fixings for Asphalt

For Wheel stops: Rebar Spikes (12 x 250mm)
 RTL Code: MH27 6RB12
 RTL Washer Code: MH27 WASHER30
 Washer sold separately

For Speed humps: Coachscrew (10 x 100mm) & Sleeve
 RTL Code: MH27 6MA
 Washer included in fixing code



Installation Instructions

Step One: We recommend that you chalk the intended position and the holes prior to drilling.

Step Two: Use the appropriate sized drill bit to drill down into the road surface at least 50mm for concrete & 100mm for asphalt.

For Concrete

Step Three: Tap in the sleeve anchor and tighten into concrete. We recommend a M12 x 28mm x 3mm galvanised washer under the nut of the sleeve anchor to minimise any "pull through".

For Asphalt

Step Three: Drive the rebar spikes in the ground using a heavy duty hammer making sure you drive them fully into the rebate area.

Note:

Bondurox C Adhesive / Epoxy can also be used in-conjunction with the fixings, for additional adhesion when installing wheel stops & speed humps in high impact areas. Available in a 700g tube.

Stock code:
 MO40 BDXC





Slim-Pro Edge Marker Posts

Our Slim-Pro Edge Marker Posts (EMPs) are used to delineate New Zealand's local roads and state highway network. Our Slim-Pro EMPs fully comply with NZTA M14 specifications. They have been designed with a high UV resistant PVC to stop splitting or cracking in NZ conditions and feature Class 1 reflective sheeting that meets AS/NZS 1906.1:2017 for maximum visibility. They have a high gloss finish to help with cleaning and an inbuilt barb for greater in-ground retention.

* **NZTA M14 Compliant**

* **Highly Visible & Durable**

* **Guaranteed for up to 10 years**



Delineation:

150mm red band with
450mm Class 400 white
reflective delineator

Dimensions:

Length: 1400mm

Profile:



4mm
Thickness

Inbuilt retention barb:



Features & Benefits

- Compliant with NZTA M14 specifications – vehicle impact, deflection, resistance to cold
- All material covered by a 10 year guarantee
- Manufactured from highly durable, UV resistance PVC
- Capable of self-righting after an impact
- Inbuilt barb for greater in-ground retention, resulting in lower frequency of replacement
- High gloss finish for easy cleaning
- Class 400 reflective sheeting for maximum visibility both day and night

Slim-Pro Ordering

For ease of ordering, please mention the Slim-Pro Edge Marker Post and reference the stock codes below.

RTL Product:

Delineated Slim-Pro Edge Marker Post
(C/w red band and white reflective delineator)

Stock code:

MP01S 1.4D

Slim-Pro Rammer



Our Rammer is specifically designed to suit the Slim-Pro profile and eliminate scratching of the marker post and delineator during installation. It is light-weight and very easy to use.

RTL Product:

Slim-Pro Rammer

Stock code:

MP05 02

Yellow Delineators



We also supply pre-cut 40mm W x 130mm H Class 400 reflective delineators. These are sold separately and available as a single unit or sold in a roll. Yellow delineators are applied to the posts on the right hand side of the road (on the reverse) only when the road curves to the left. Delineation doesn't change when there is a right hand corner. For more information please view the M14 Specification on the NZTA website.

RTL Product:

Single Yellow HIP Reflective Delineator

Roll of Yellow HIP Reflective Delineators
(Approx 360 Delineators in one roll)

Stock codes:

MP19 14

MP19 14.1





Other Products & Installation

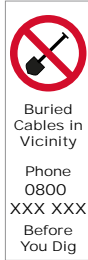
Plain / Cable Markers

Slim-Pro Plain Markers can be utilised to alert people to cables buried beneath the ground, helping to minimise damage.

The posts can be heat-stamped or vinyl graphics can be applied to the face.

Other warning messages include No Spraying, Danger and No Dig.

Please call us to discuss your requirements.



RTL Product (Post Only):

Plain Slim-Pro Edge Marker Post
(Plain post only)

Stock code:

MP01S 1.4P

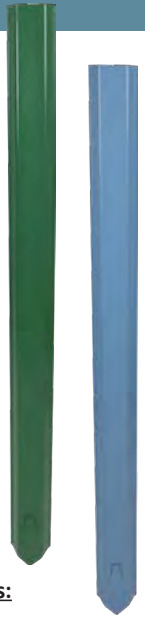
Culvert & Hydrant Markers

Green Culvert Markers are used to identify underground culverts under the road and surrounding areas.

Blue Hydrant Markers are used to mark hydrants so maintenance personnel can identify them quickly.

Both Markers are 1.25m and share the same profile as the Slim-Pro Edge Marker Post.

RTL can apply legends to meet your specific requirements i.e. PV or SV.



RTL Product (Posts Only):

Green Culvert Marker
Blue Hydrant Marker

Stock codes:

MMSP 125DG
MMSP 125LB

Slim-Pro Rammer

Our Slim-Pro Rammers are used to install our range of Slim-Pro Edge Marker Posts, Cable, Culvert & Hydrant Markers. They are specifically designed to suit the profile of our Edge Marker Posts.

If you would like to place an order or require more information, please contact us.

RTL Product:

Slim-Pro Rammer

Stock code:

MP05 02



Installation & Cleaning

- Step One:** For road side installation where there is base course use a wrecking bar or a similar implement to loosen the stones until a softer substrate is noticeable.
- Step Two:** Site the EMP facing the correct direction and using an approved rammer, ram the edge marker post into the ground ensuring that at least 900mm of the EMP is above the ground level (refer to NZTA M14 installation instructions).
- Step Three:** Reasonable force should be used to ram the EMP into the ground but not so much as to buckle the post.
- Step Four:** After ramming, compact the ground at the base of the post to ensure it is well supported.
- Step Five:** We recommend using our RTL Rammer which suits the Slim-Pro Posts and our Culvert Marker Range.

Cleaning Instructions:

The posts can be cleaned using water. We do not advise using harsh chemicals to clean the posts as they may damage the reflective materials used. Always use recommended cleaning instructions for reflective materials. For more information, please refer to our cleaning advice in the RTL Product Guide.



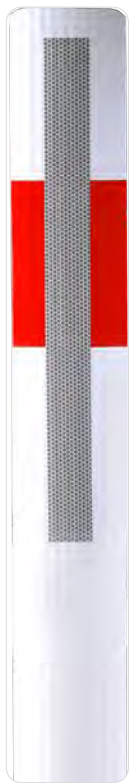
Steel-Flex® Marker Post

There are two types of marker posts approved in New Zealand under M14 requirements. They are PVC and Steel-Flex® Marker Posts. Steel-Flex® is a premium product with very high impact and corrosion resistance so it performs extremely well in high impact and coastal areas. The patented design and exclusive ArmorGalv® thermal diffusion coating enables the product to outlast comparable products for road edge delineation and utility marking.

* **NZTA M14 Compliant**

* **Superior Performance**

* **Guaranteed for up to 10 years**



The Steel-Flex® Marker Post is proven to return to vertical after 1500 impacts!



— Depth Marker

— Dual Retention Barbs

Features & Benefits

- Complies to NZTA – M14 & AS/NZS 1906.1:2017
- 10 year Manufacturer Warranty
- Capable of withstanding repeated impacts
- Significantly reduces ongoing maintenance costs
- Outstanding performance over plastic with a thermal resistance from -30°C to +80°C
- Pre-coated with ArmorGalv® so will not rust
- Powder-coated white with a high gloss finish and Class 1A reflective sheeting for maximum visibility both day and night
- Dual retention barbs to prevent dislodgement on impact and unlawful removal
- Depth marker to indicate recommended install depth

Why Use Steel-Flex® Marker Posts?

Steel-Flex® Marker Posts have superior performance properties vs a standard PVC Post. By installing a long-lasting post you will save money in the long run as it reduces associated costs involved in replacement including downtime spent travelling to site.

They are easier to install compared to a PVC post, are designed to withstand multiple impacts, tested to return to vertical after 1500 impacts and backed by a 10 year Manufacturer Warranty.

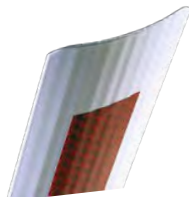
Key Features



Easy Installation

Steel-Flex® Marker Posts can quickly and easily be installed by one person using the 'low impact' universal manual driver.

The ergonomic design with special spring-loaded handles reduce the impact and injury risk.



Highly Durable

Steel-Flex® Marker Posts feature a concave profile with vertical ribs.

The posts are capable of withstanding repeated impacts and are backed by a 10 year Manufacturer Warranty.

RTL Product:

Steel-Flex Marker Post (C/w red band and white delineator)

Steel-Flex Rammer

Stock codes:

MP04 SF14D (plain also available)

MP04 SFRAM

Placing an Order:

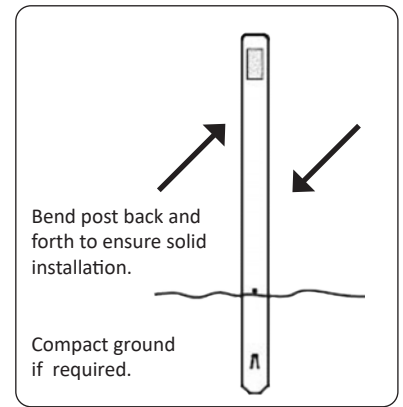
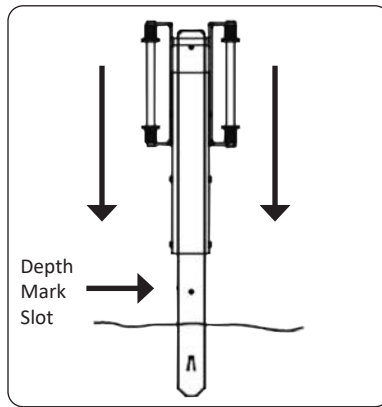
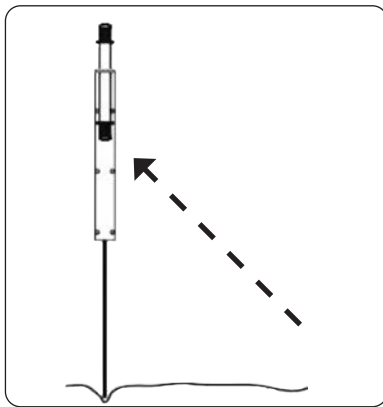
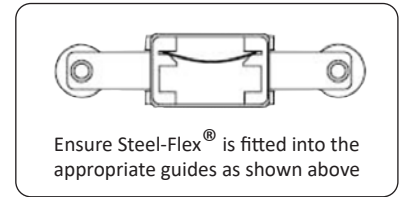
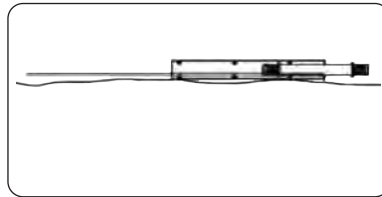
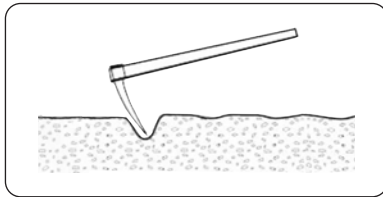
For ease of ordering, please mention the Steel-Flex® Marker Posts and reference stock codes above.



Installation Instructions

Before installing your post into the ground, always remember to survey the area for any underground obstructions (i.e. gas pipes) first. **Always face the traffic during installation and ensure that the Steel-Flex® retention barbs are pointing towards you.** If, during installation, the post meets stubborn resistance, STOP. You may have hit a pipe or rock. Remove the post and check the ground before proceeding.

Installing Steel-Flex® using the Universal Post Driver - Visual Guide



Installing Steel-Flex® using the Universal Post Driver - Step by Step Guide

- Step One:** To maximize the life of the post, chip out a small section of the road edge surface (approx. 100mm deep x 300mm wide) using a mattock or spade.
- Step Two:** Lay the post and ergonomic driver on the ground and slide the post into the guides of the driver.
- Step Three:** Lift the driver and post carefully to vertical ensuring that the post driving point is located in the middle of the dugout section.
- Step Four:** Drive the post into the ground letting the weight of the driver do the work – not your back. Only short light strokes are required. Excess force may cause the post to flex. Continue driving until the depth mark slot is at ground level.
- Note:** *It is important that the post is driven in this far for it to function properly and be firmly anchored into the ground.*
- Step Five:** Keeping your arms slightly extended and your head and face away from the driver, carefully remove the driver from the post.
- Step Six:** Check for a secure installation and satisfactory post function by slowly bending the post back and forth. If the post is loose, the ground may be too soft in which case the ground surrounding the post should be compacted.
- Step Seven:** To ensure that the post is installed to the specified height, check that the Depth Mark Slot is at ground level.



Stay Right Range

Impact Recovery Sign Post System

Our Stay Right Sign Support Posts help to solve multiple impact and high replacement cost problems due to its flexibility, durability and versatility. As Stay Rights are designed to recover after an impact, they are used in applications where vehicles are likely to “knock down” the sign and post - unlike a steel pole or wooden post, that may need replacing.

Stay Rights can be installed onto any concrete surface such as a raised traffic island, roundabout and medians, island refuges or pedestrian crossing islands (refuge).

Features & Benefits

- Solid, one piece Polyurethane base
- Simple & cost effective installation
- Highly visible yellow base
- Standard sizes 825mm and 1200mm high
- Can be installed onto concrete
- Surface mount and In-ground option available



Stay Right - 825mm

The Stay Right is perfect for single sign installations (Recommended Max Loading .36m²). The bright yellow base helps to increase the visibility of the assembly, alerting motorists and pedestrians.

The Stay Right can cover most applications because of the two mounting options, the surface mount and the in ground model.

Commonly Used Signs:

The signs most commonly installed on a 825mm Stay Right include:

- RG6R Roundabout Give Way
- RG 17/ 34 Keep Left or Keep Right
- RG 17.1 Twin Disc Keep Left
- PW-5 Diverge (600mm)

RTL Products:

825mm Surface Mount
825mm In-ground

Stock code:

PS03 P0209
PS03 P0214



Stay Right - 1200mm

Stay Right 1200 has an increased capacity over the Stay Right and is useful for applications where larger signs need to be supported (Recommended Max Loading .8m²).

The Stay Right 1200 is especially designed to support the extra wind loading of the sign combination but still provides the flexibility required to absorb impacts.

Commonly Used Signs:

The signs most commonly installed on a 825mm Stay Right include:

750 x 750 PW-5 Diverge Diamond

RTL Product:

1200mm Surface Mount

Stock code:

PS03 P0212



Fixings

Surface Mount requires only four fixings per base. It is recommended that you use dynabolts for concrete (sold separately).

The In Ground model requires a 60mm OD ground socket and locking pin (sold separately) to prevent post removal and sign rotation.