



# Road Safety Product Suite

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

0800 785 744



## Upgrading Road Safety

We have a wide range of products offering you solutions for Safety on Local Roads, Walking and Cycling Safety, Improving Access, Supporting Public Transport, Wayfinding amongst other initiatives.

We have identified the products within our range which we believe are most relevant - please see the following brochures.

You can also find electronic copies of all of our brochures on our website.

If you do not find what you are looking for in our brochures and on our website, please contact us for further information.

Please contact us directly for any further assistance.

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



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## 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

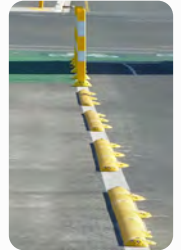
The FG 300 UR model has become the industry standard for toughness, impact resistance and long-lasting performance. The FG 300 UR model has been developed to meet the rigorous demands of high-speed, 2-way, 2-lane operations. The UR post greatly improves safety by reducing the time that workers have to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



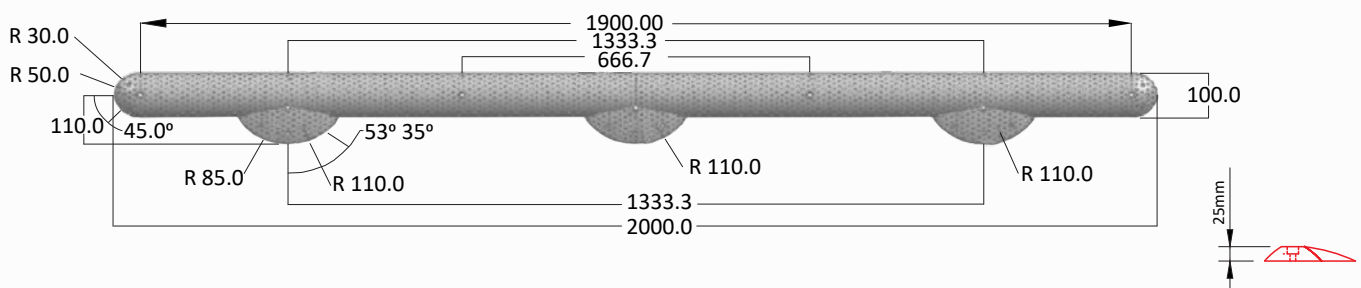
#### Epoxy Glue:

Stockcode:  
MC99 P380

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



### Measurements



## FG 300 Curb Delineation

The FG 300 Curb System is a median separation system that provides safe, efficient and cost effective channelisation and separation of traffic on motorways, expressways, major roads and city streets. The system is designed for use wherever pavement markings are not sufficient and increased channelisation is required.

### 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**



## Information & Specifications

### 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

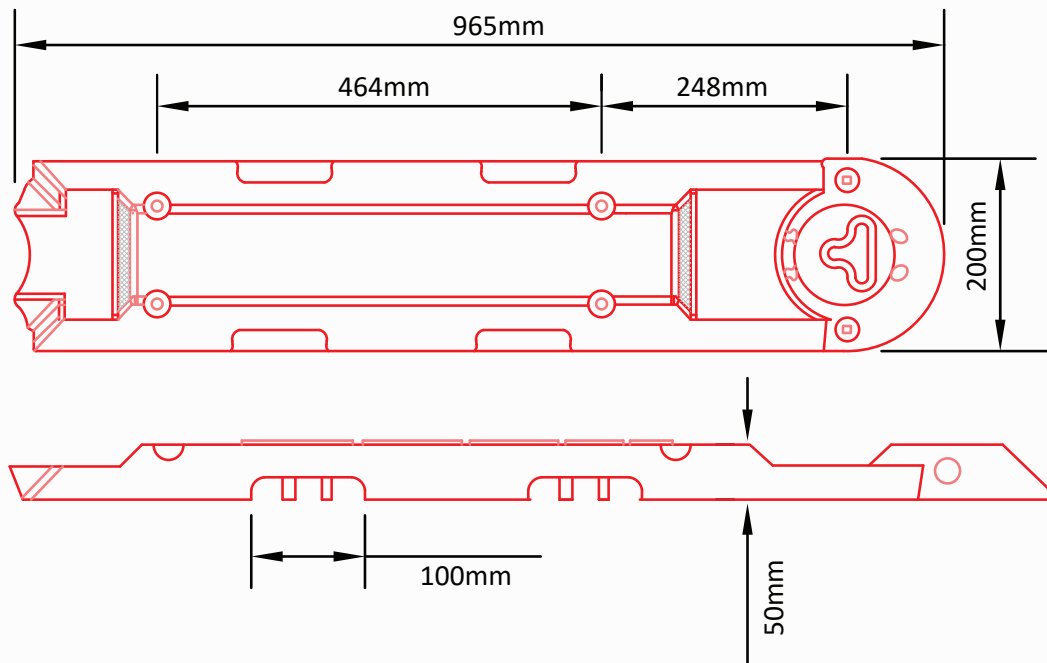
The EFX model represents a breakthrough in urethane chemistry.

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.



### FG300 Curb System Dimensions



## Island Curb Delineator

The Island Curb Delineator is a low-cost safety solution designed to improve the visibility of raised islands, median noses, pedestrian refuges and roundabouts. The exceptional retro-reflectivity of the 25mm (yellow or white) reflective strip provides a clear visual cue to the motorist thereby reducing accidents and improving safety.

The Island Curb Delineator is made out of 100% polyurethane, the toughest flexible polymer on the market today. It maintains flexibility from -20°C to over 70°C. The base has pre-cut notches so the delineator can conform (or bend) to meet almost any geometry including straight line, wide arc, narrow arc, or even in a full circle!

\* **Increased Visibility**

\* **Continuous Ribbon of Reflectivity**

\* **Improved Safety**



*Upgraded Roundabout in Wainuiomata, Lower Hutt*

### Features & Benefits

- |   |   |
|---|---|
| - <b>Visible:</b> Continuous ribbon of reflectivity | - <b>Flexible:</b> Notched foot so unit can match curvature     |
| - <b>Simple:</b> Prime, peel & stick application    | - <b>Durable:</b> UV-stable flexible polyurethane for long life |
| - <b>Practical:</b> Low-cost safety solution        | - <b>Versatile:</b> Used on a number of traffic applications    |

### Applications

- |                  |                     |                |                                  |
|------------------|---------------------|----------------|----------------------------------|
| - Raised Islands | - Bridge Approaches | - Roundabouts  | - Pedestrian refuges             |
| - Bull noses     | - Reduced Width     | - Median noses | - Other similar roadway features |

**Island Curb Delineator: Call us now to place your order**

(please turn over)



## Technical & Installation

### Applications



*As installed in Rangiora, Canterbury*



*Flexible design for all situations*



*As installed in Wainuiomata, Lower Hutt*

### Installation

The Island Curb Delineator is quick and easy to install.

- Step One:** Factory-applied adhesive strips allow for peel 'n' stick installation.
- Step Two:** A clean, dry surface is required. Sweep or blow off the area where the Island Curb Delineator will be installed using a broom or blowgun to remove any gravel, sand or other debris.
- Step Three:** We recommend that the surface is primed with a spray adhesive for extra grip. The spray adhesive normal requires only one minute of drying time before placement of the marker or delineator.
- Step Four:** Peel off the release paper from the Island Curb Delineator and press the reflectors in place.

### Island Curb Delineator Ordering

For ease of ordering, please mention the Island Curb Delineator and reference the required colour / stock code.

MO25 01 Yellow



MO25 02 White



### Specifications

**Dimensions:**

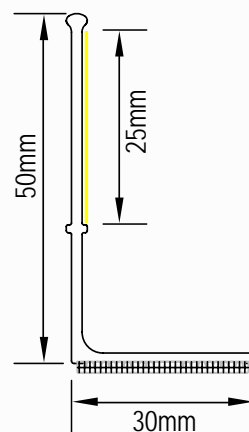
Length: 1200mm  
Height: 50mm  
Depth: 30mm

**Reflector:**

25mm High

**Slits / Notches:**

40mm spacing







## Stayput School Patrol System (For School Patrol Crossings & Kea Crossings)

RTL's Stayput School Patrol System is the new 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 or easily retrofit an existing RTL School Patrol System to save time, money and provide a safer environment for the staff, parents and children.

\* **Improve Safety**

\* **Save Time - Eliminate the Hassle**

\* **Fully approved by NZTA**



### Features & Benefits



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
- Our Stayput stays put - at the crossing ready to go!
- NZTA-approved for Pedestrian School Crossings & Kea Crossings
- Re-enforces education & safety in schools
- Customize the top cover with the school logo or mantra
- Install a full new system or easily retrofit your existing set up\*

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

\*Retrofit Option only applies to existing School Patrol set ups that were originally manufactured by RTL.

## Product Information

### Why use the Stayput System?

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, one of the major changes to the updated TCD Manual was in Section 8.4(8), approving the use of our Stayput School Patrol at Kea Crossings. When used at a Kea Crossing, the Stayput System is installed onto standard 76mm White Poles and the School Patrol Arms are white only (without the black vinyl).



### How does a Stayput School Patrol System work?

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

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.

Stored



Deployed



(please turn over)

## Feedback from End Users

### Council Contract Officer

In charge of the supply, installation and maintenance

- 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."

(please turn over)



Peter Marshall - Principal, Greenhithe School



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



## 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.

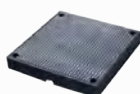
#### Specifications:

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

#### Sections:



Corner Section  
(12kg)



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



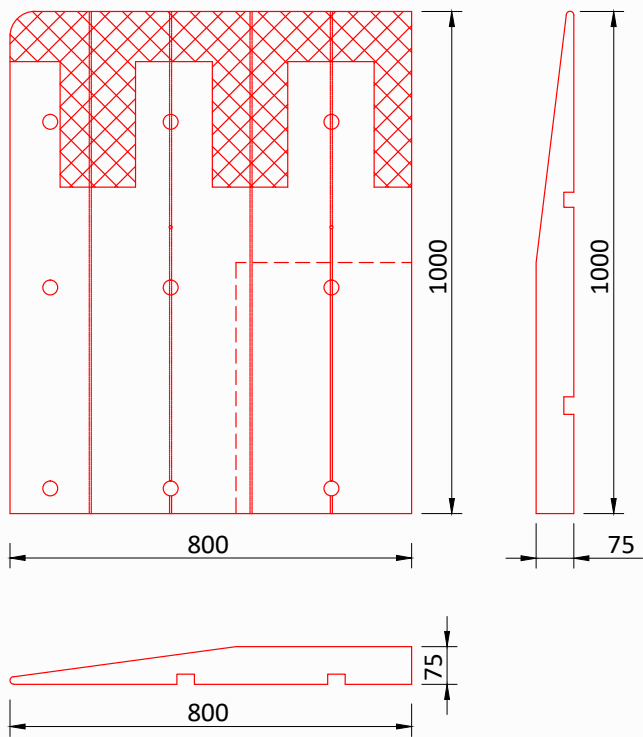
Ramp Section  
(11kg)



Please turn over for section drawings & measurements

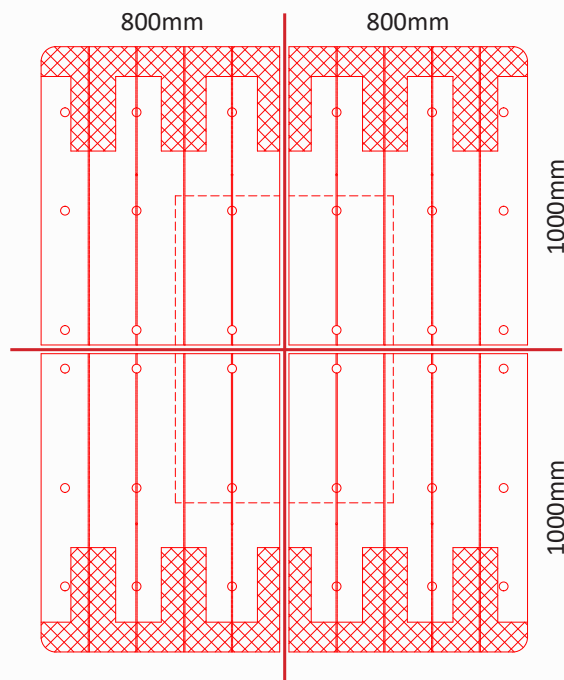
## Speed Cushion Dimensions

### End / Main Sections



### Example

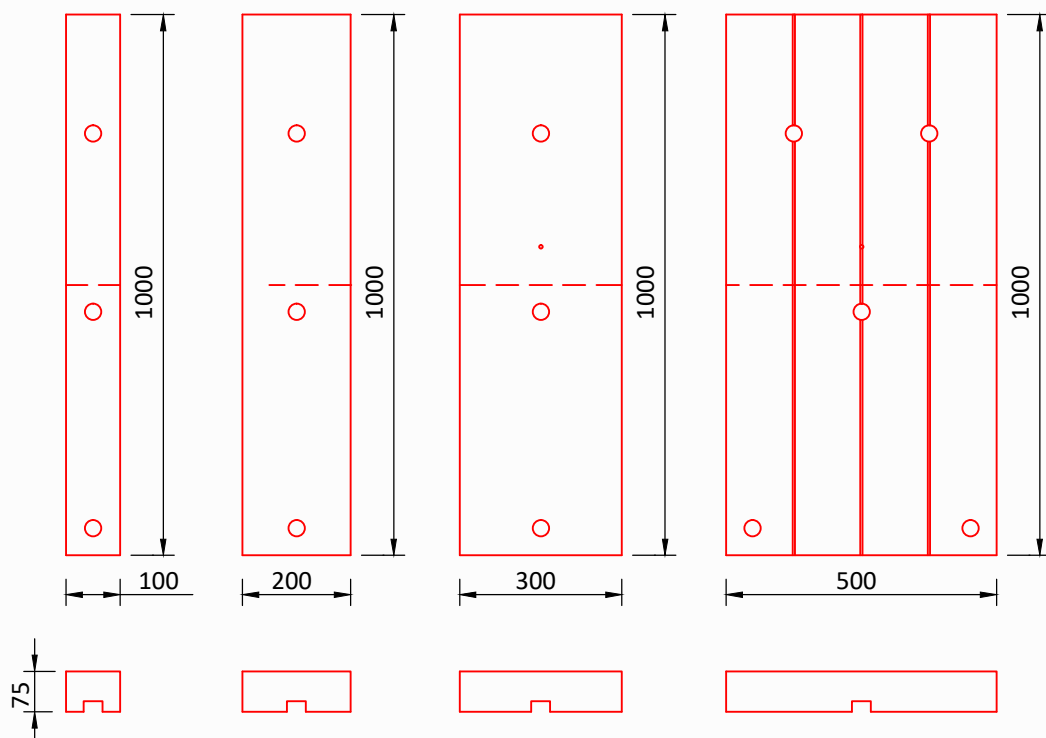
4 sections (2 x left & 2 x right) make up a 1.6mtr wide speed cushion, with a 2 metre travel distance.



### 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)





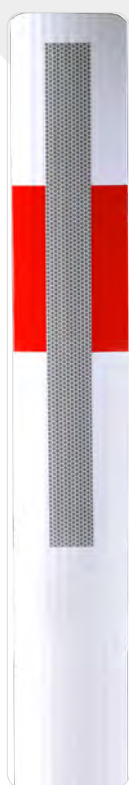
## Steel-Flex® Marker Post

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.

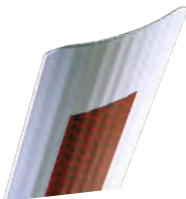
### Key Features



#### **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:**

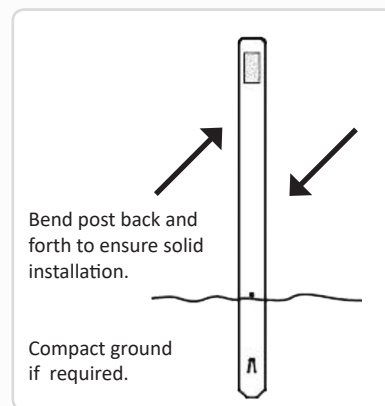
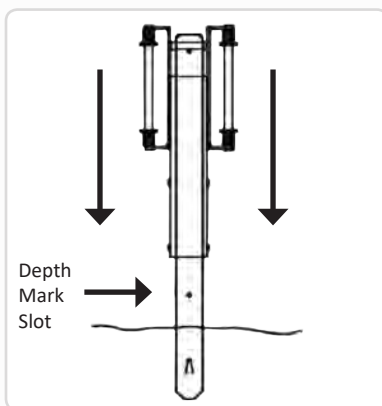
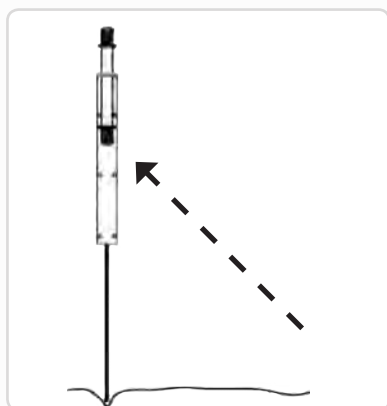
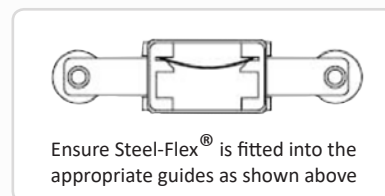
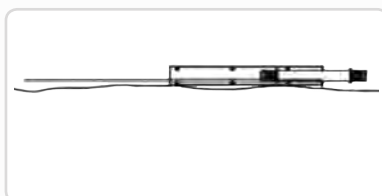
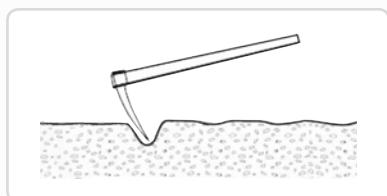
For ease of ordering, please mention the Steel-Flex® Marker Posts and reference stock codes above.

**Steel-Flex® Marker Posts: Providing a continuous line of road edge delineation**

## 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.

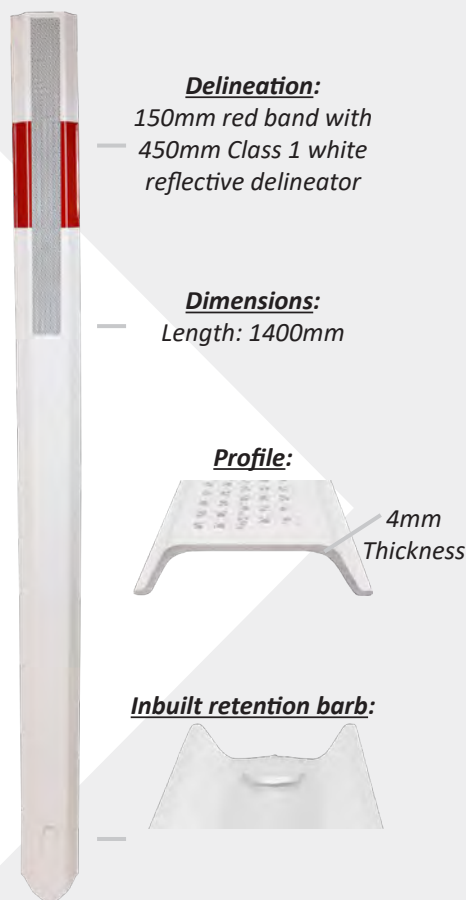
## Slim-Pro Edge Marker Posts

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**



### 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 1 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 1 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:**

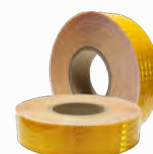
Single Yellow HI Reflective Delineator

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

**Stock codes:**

MP19 14

MP19 14.1



**Slim-Pro Edge Marker Posts: Call us now to place your order - 0800 785 744**



## Other Products & Installation

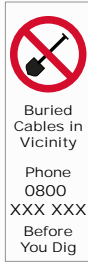
### Plain / Cable Markers

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

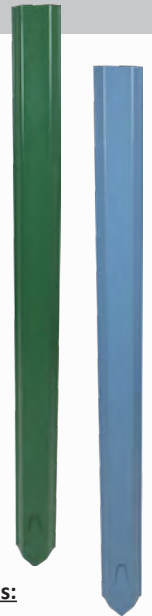
### Culvert & Hydrant Markers

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.

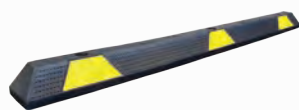
## Wheel Stops & Speed Humps

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**

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

**Compliant**

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  
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  
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

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

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**

**Rubber Construction**  
**Visible**

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

The overall length of the speed humps can be customised to suit your individual needs  
Creates a speed hump that won't chip, crack or rot  
Multiple reflectors for increased visibility for both pedestrians and motorists  
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.

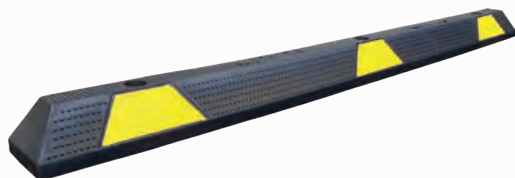


**Wheel stops & Speed Humps: Part of our Car Park & Traffic Calming Range**

For measurements, fixings & installation instructions, please turn the page

## Product Specifications & Installation

### Wheel Stops



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

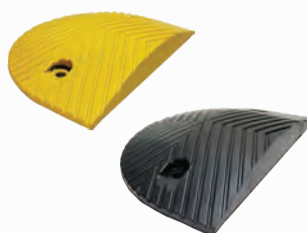
**Stock code:** MH28 101

### 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

**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





## Stay Right Range Impact Recovery Sign Post System

The Stay Right Impact Recovery sign post system is a helps to solve multiple impact and high replacement cost problems due to its flexibility, durability and versatility. It has been designed for sign mounting's on traffic islands, road sides, parking buildings and many other applications where vehicles are likely to "Knock down" the sign / post. Applications include Roundabouts, Traffic Islands, Car parks and Parking Buildings.

### 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 or asphalt surfaces
- Surface mount and In-ground option available



### Stay Right - 825mm

The Stay Right is perfect for single sign installations (Recommended Max Loading .36m<sup>2</sup>). 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 a RG 17/ 34 Keep Left or Keep Right Sign, RG 17.1 Twin Disc Keep Left Sign or a RG-6R Roundabout Give way Sign.

#### 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 .8m<sup>2</sup>).

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:

An example of this is 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 and either masonry anchors or coach screws for hotmix or chipseal installations (sold separately).

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

## Bay Numbering System

Our Bay Number Plates are used to number and allocate all types of parking bays i.e. pay by bay (paid parking), staff parking and rental car allocation. They are suitable for on-street parking and all types of off-street parking including parking lots, parking structures, shopping centres, commercial properties and in park 'n' ride complexes. The reflective Raised Pavement Marker is also available. Both options are cost effective, simple to install and suitable for use on concrete or asphalt.

### Features & Benefits

- Suitable for a wide range of applications
- Easy to install
- Innovative design
- Long life & low cost
- Low trip hazard
- Highly legible
- Highly visible
- Versatile
- Durable

### Bay Number Plates

- Engraved numbers (up to 4 numbers)
- 95mm long x 55mm high oval design
- Non reflective black
- 1.2mm aluminium
- Other sizes also available



### Reflective Numbers

- White raised pavement marker
- Green or blue background
- Engineering grade white reflective
- Double-sided self adhesive bitumen pad for adhering to the road surface



**Bay Numbering System: Call us now to discuss your requirements**