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
- Curb sections are impact tested at 112kph
- Moulded with solid colour throughout
- 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

V2.0 May 2024

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 stablisation

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:

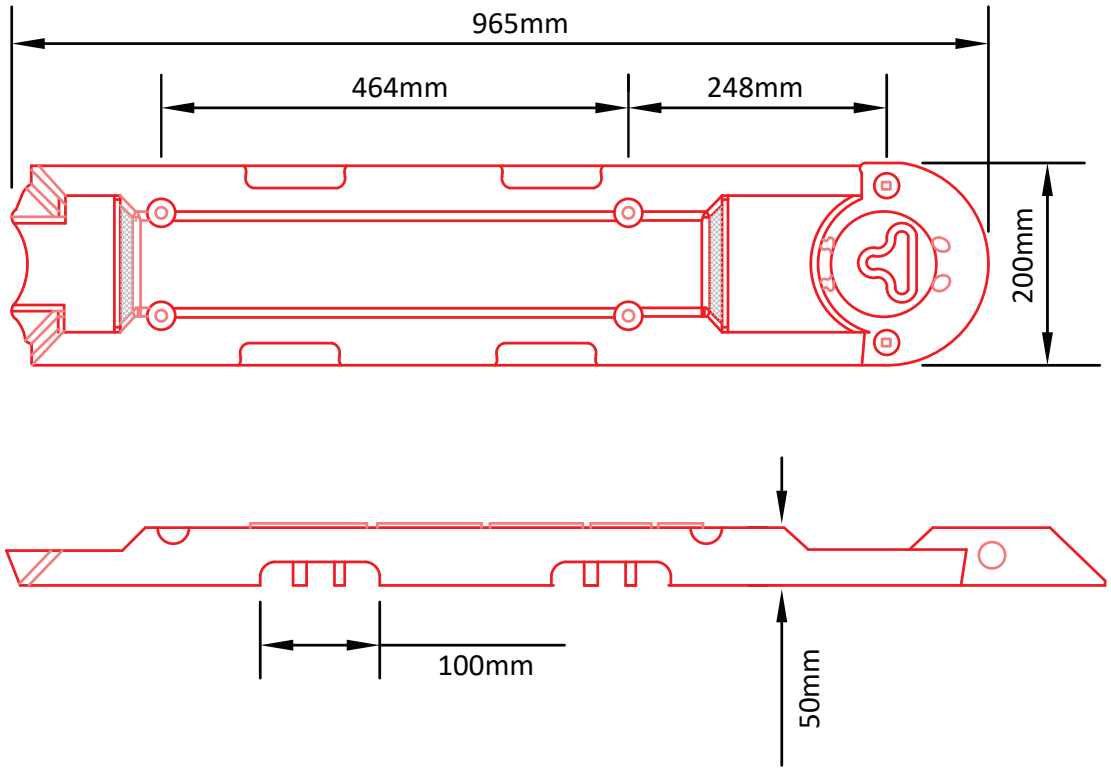
Length:	2000mm
Width:	159mm
Height:	25mm
Weight:	2.5kg per section

Installation / Fixings:

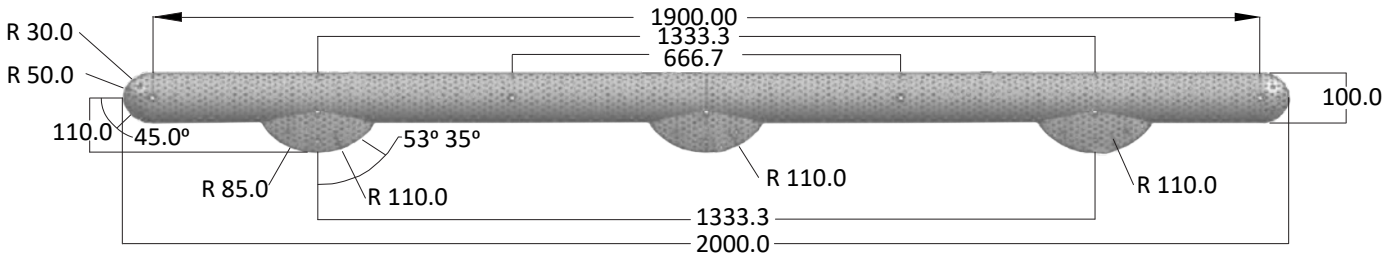
7x Fixings per Riley® Kerb section
1x Epoxy tube for every 18x holes

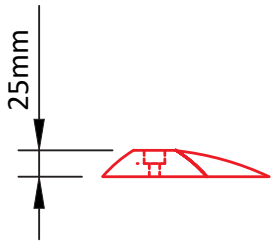
Product Specifications

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 expoy 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