

# RICOCHET PLASTIC WATER FILLED BARRIER

## REVISION REGISTER

Revision	Description	Date
1	Issued for use.	3/04/2020

The Ricochet Plastic Water Filled Barrier (Ricochet Barrier) is a portable, water filled, longitudinal temporary barrier. The barrier units are orange in colour, while the end treatments (which are empty) are yellow.

### Image:



Figure 1: Photograph of Ricochet Barrier and Terminal units

### Drawing:

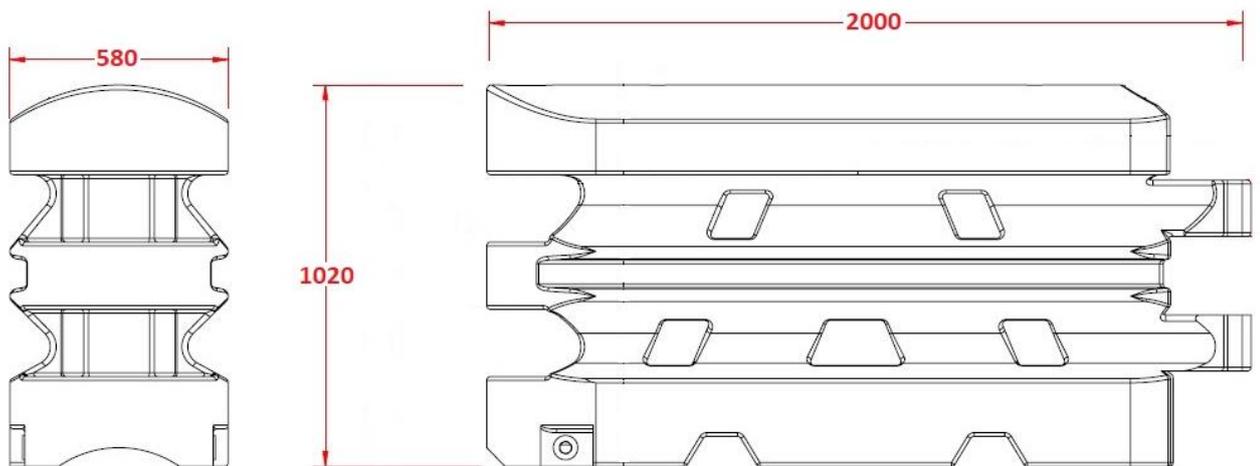


Figure 2: Typical Details of Ricochet Barrier

## RICOCHET PLASTIC WATER FILLED BARRIER

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**Test Level:** Approved to MASH TL1

Test Level	Test Description	Deflection	Working Width
MASH - TL1	2270 kg at 50 km/h and 25°	2.28 m	2.86 m

**Accepted Design Speed:** Up to 50 km/h (i.e. posted speed up to 40 km/h)

### Configuration:

- Units must be connected together using the Ricochet galvanised pin and requires a sufficient length of barrier to resist impact.
- The barrier units are orange in colour and must be filled with water. The end terminal, which consists of two yellow terminal end units and one yellow terminal end cap must not be filled with water.

### Design Consideration:

- Design to be in accordance with the Ricochet Product and Installation Manual Version 2, dated 06 March 2019.
- It is recommended that the barrier should be offset from the edge of traffic lane by:
  - traffic speed 40 km/h or less – 0.2m;
  - traffic speed 41 to 60 km/h – 0.3m.
- The barrier has its own end terminals, which must be installed.
- Plant, personnel or roadside hazards should not be located within the hazard free and deflection area as shown in the below (from Ricochet Product and Installation Manual).



## **RICOCHET PLASTIC WATER FILLED BARRIER**

- The approach to the barrier should be a trafficable running surface at a slope of 1 in 10 or flatter clear of objects and grade change to allow for an errant vehicle to hit the barrier at an appropriate height

### **Minimum Length:**

- 45 m excluding terminals (20 orange units)

### **Terminal Permitted:**

- Each ends of the barrier must be fitted with Ricochet terminal units.

### **Point of Redirection:**

- 20 m from the interface between the terminal and barrier.

### **Limitation:**

- The barrier cannot be placed adjacent to kerbs or other objects which may prevent lateral displacement.

### **Installation and Maintenance:**

- In accordance with the Ricochet Product and Installation Manual dated 06 March 2019.

### **Damaged Component:**

- Damaged units must be repaired in accordance with product manual or replaced.

### **Reference:**

- Main Roads WA File 16/10231