

Certified MASH TL-1 Protection

The Shield 1 Redirective Barrier delivers crash-tested safety & road-authority approval for high-risk work zones.

TL-1 SHEILD 1 REDIRECTIVE BARRIER



Secure Pin Connection & Positioning

Features a robust steel pin joining system designed for fast positioning & secure runs.

- ✓ Interlocking Steel Pins
- ✓ 81kg empty weight
- ✓ 611kg filled weight for maximum on-site stability



Certified MASH TL-1 Performance

Engineered & tested to provide certified redirective safety for high-risk work zones.

- ✓ MASH TL-1 tested (50km/h)
- ✓ 2.2m dynamic deflection
- ✓ Approved across road networks (QLD TMR, TfNSW, VicRoads)



Visibility & Accessory Provisions

Equipped with built-in features to maintain high visibility & accommodate site utilities.

- ✓ Applied retroreflective tape
- ✓ Dual top apertures for accessories
- ✓ Manufactured for extreme UV durability.

Fill Capacity

530L

Overall Length

2,200mm

Filled Weight

611kg

Empty Weight

81kg

Height

920mm

Width

600mm

Joining System

Drop Pin

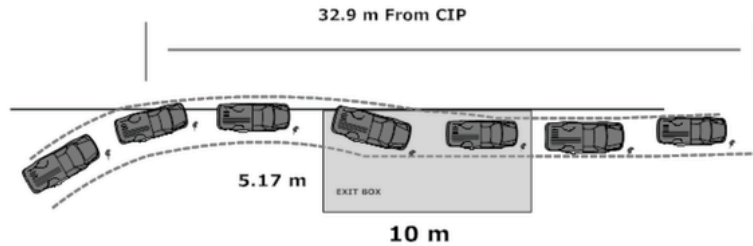
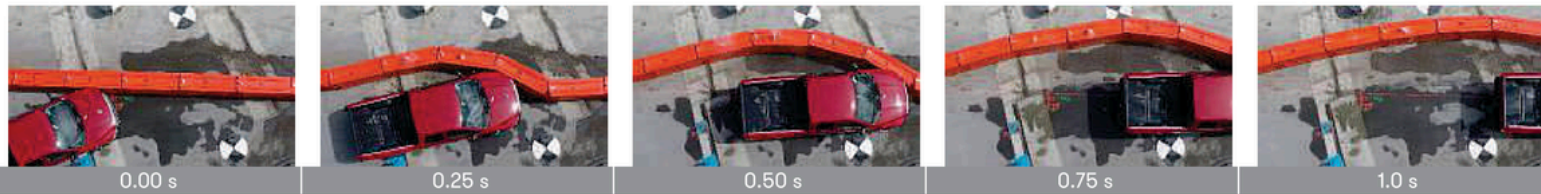
Effective Length

2,000mm

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1800 677 003



Test Article:	National Plastics WFTB	Post Impact Vehicle Behaviour Vehicle Stability Stopping Distance	Good 32.9 m
Total Length	52.0m	Vehicle Snagging	None
Key Elements - Barrier Description Length of Barrier Installation Height Length of Barrier Segments	Test 1-11 Water filled temporary barrier 44.0m length of need 0.92m 2.2m (2.0m between pins)	Vehicle Pocketing	None
Test Vehicle Designation Make/Model Dimensions (LxWxH) Curb Wt Gross Static	2270P Dodge Ram 1500 5820mm x 2040mm x 1930mm 2287kg 2287kg 2287kg	Occupant Impact Velocity Longitudinal Lateral (optional)	0.2171 seconds right side of interior -2.7 2.7
Impact Conditions Speed Angle Impact Point	49.6km/h 25.5 degrees 900mm upstream of barrier joint 11B and 12A	Occupant Ride-down Deceleration X-direction (g) Y-direction (g) THIV (optional) (m/s) PHD (optional) (g) ASI (optional)	1.5 (0.3063 - 0.3163 seconds) -1.6 (0.3125 - 0.3225 seconds) 4.0 2.2 (0.3083 - 0.3183 seconds) 0.33 (0.0337 - 0.0837 seconds)
Exit Conditions Exit Speed: Exit Angle:	27.7km/h 0°	Test Article Damage	Minor
		Test Article Deflections Dynamic Permanent Working Width	2.19m 2.19m 2.19m
		Vehicle Damage Exterior VDS CDC Maximum Deformation	11FL-1 11LFEE1 80mm

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