



RAMSHIELD® Guardrail

MASH TL3 Compliant W-Beam Barrier

RAMSHIELD® Guardrail is the latest innovation and advancement in design and safety in road safety barriers. RAMSHIELD® Guardrail provides you, your family and Australian motorists with a higher level of protection against runoff and crossover accidents.

Moreover, the finished installed cost of RAMSHIELD® Guardrail is less than any state road agency steel beam roadside guardrail system meaning more barrier can be deployed per public dollar to protect Australian motorists.

For installation contractors, RAMSHIELD® Guardrail is simple and fast to install. Fewer parts and stiff driving posts make for rapid installation. Unlike some other systems RAMSHIELD® Guardrail is exceptionally easy to install on a curve alignment or where the rail may not be perfectly aligned with the post.

RAMSHIELD® Guardrail has been designed, patented and developed by Safe Direction specifically for Australian conditions. It has crash proven performance and has considered design features for vulnerable road users (motorcyclists).

Full-scale RAMSHIELD® Guardrail crash testing includes:

- 2270kg pick-up at 100km/h and 25° (MASH 3-11 impact)
- 1700kg car at 110km/h and 25° (back of post 200mm from 2H:1V slope)
- 1100kg car at 100km/h and 25° (MASH 3-10 impact)
- 1100kg car at 100km/h and 25° (posts in reverse orientation)

Specifications

- Compliant to MASH Test Level 3.
- Compliant to AS/NZS 3845.1:2015 Road Safety Barrier Systems.
- Post spacing: 2.0 metres.
- W-Beam Rail height: 730 mm.
- System width: 180 mm.

Features

- Successfully tested to a crash impact energy level greater than all Australian state road agency w-beam guardrail systems.
- Fewest parts of any approved w-beam guardrail system.
- Stiff driving post.
- Easy to install for straight and curved installations.
- Post is set lower than rail to eliminate snag point for motorcyclists.
- The narrowest approved w-beam guardrail system available.
- Crash testing has shown there to be no debris from the barrier system that could break away and become a dangerous projectile.





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