

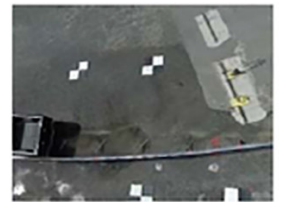
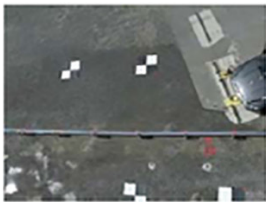
OVERVIEW

EzyGuard Smart™ is the next generation of steel guardrail barriers featuring a smart design, rapid installation and driver confidence. **EzyGuard Smart** has been fully crash tested and evaluated according to the specifications for Test Level 3 (TL-3) of the AASHTO Manual for Assessing Safety Hardware (MASH).

Using up to 40% less steel than conventional guardrail barriers, the **EzyGuard Smart™** design features specially engineered Z-posts and **EzyGuard™** sliders.

The Z-posts are manufactured from galvanised cold rolled steel, keeping their manufacturing very simple and cost competitive with traditional barrier systems.

EzyGuard™ sliders are used to secure the W-beam rails to the Z-posts and eliminate the requirement for blocking pieces and rail stiffening plates. This unique connection provides a soft ride-down for vehicle occupants and smooth vehicle containment and redirection.



2270kg vehicle, 100kph, 25° Re-directive impact on EZYGUARD SMART™ (TEST 3-11 MASH)

FEATURES

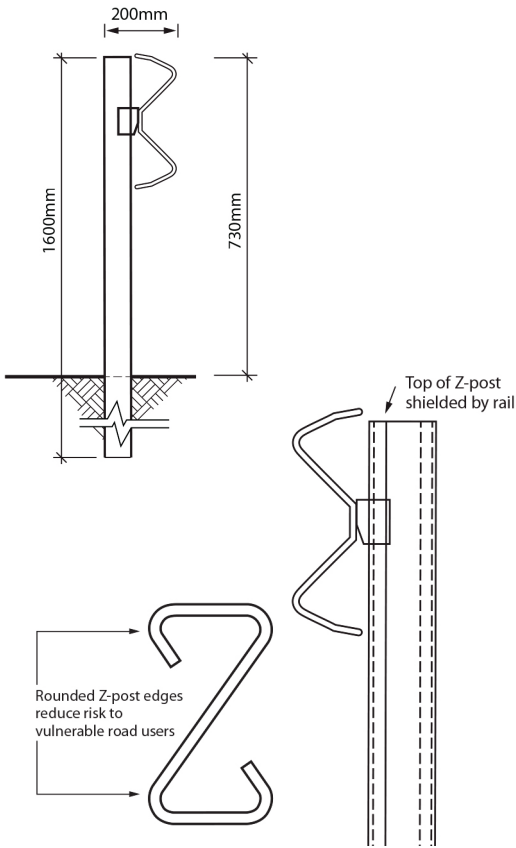
- Compact footprint system: only 200mm width
- Proprietary steel post allows for "Driven" installation without predrilling, accelerating installation and impact repair process
- High performing, low cost system
- Very low part count, no blockouts are required
- Patented post design allows the guardrail to dynamically adjust the rail height during impact compensating for different vehicle sizes and trajectories
- Exceptional post-impact vehicle control and behaviour
- Light system which allows for efficient handling and transport
- Compatible with standard guardrail components, many transitions available to Terminal Ends and other barrier systems



SPECIFICATIONS



- No blockout or backing piece is required between guardrail panel and steel post
- Tested to TL-3 MASH
- Dynamic Delection is 1.65m
- All components are hot dip galvanized
- Height to the top of the guardrail is 730mm
- Standard post spacing at TL-3 and is 2.0m (or 1.905m optional)
- Lenght of Need (LoN) is contained in the terminal ends, barrier in between is fully re-directive



DEFLECTIONS

Deflections quoted on the table below are from actual crash testing and the figures published are from the test involving a 1100 kg compact vehicle impacting at 100 kph/25° and a 2270 kg pickup truck impacting at 100kph/25°.

Vehicle Weight	Post Spacing	Dynamic Deflection	Test Condition
1100 kg	2.0 m	0.99 m	3-10 MASH
2270 kg	2.0 m	1.65 m	3-11 MASH



SUMMARY

EzyGuard Smart™ is a low profile TL-3 MASH Guardrail system which uses standard W-Beam. Suitable for Roadside applications and does not require the use of Blockouts.

EzyGuard™ offers a very versatile and simplistic low parts count system, this simplifies its installation and repair process, promptly reestablishing safety in our roads, saving more lives



AMVHD(v1)

REPRESENTED BY:

