

## *MASH TL4 Compliant Roadside Safety Barrier*



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**MASH TL3 COMPLIANT**

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## INTRODUCTION

Introducing Ezy-Guard High Containment, a member of the Ezy-Guard family, the next generation steel guardrail barrier providing superior motorist safety with a tested containment of MASH Test Level 4.

Ezy-Guard HC is crash tested to the latest performance standard distinguishing it from all existing public domain guardrail barrier systems in Australia.

The Z-post profile shields post edges from vulnerable road users and provides sectional strength when driving through difficult conditions.

An Ezy-HC-Carriage is used to secure the Thrie-beam rails to the posts eliminating the requirement for blocking/offset pieces and rail stiffening plates. This unique connection provides a soft ride-down for the occupants and smooth vehicle containment and redirection.

## CRASH TEST DETAILS

Ezy-Guard HC has been fully crash tested and evaluated according to the specifications for Test Level 4 (TL4) of the AASHTO Manual for Assessing Safety Hardware (MASH). MASH supersedes NCHRP-350. In the revised standard AS/NZS 3845.1:2015, MASH has been nominated as the basis of testing procedures for road safety barrier systems.

The MASH TL4 crash test matrix requires the following impacts;

- 1,100kg car travelling at 100km/h and 25 degrees.
- 2,270kg pick-up travelling at 100km/h and 25 degrees.
- 10,000kg truck travelling at 90km/h and 15 degrees.

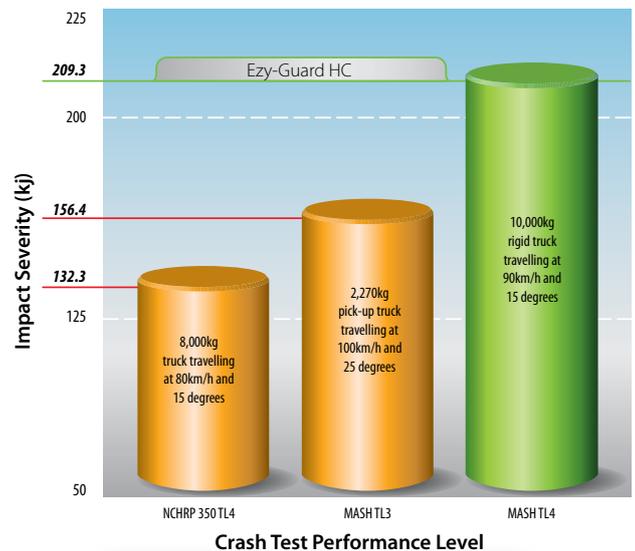
The MASH TL4 compliance demonstrates the systems ability to contain and redirect the 10,000kg truck which is 2000kg heavier than the NCHRP-350 TL4 truck.

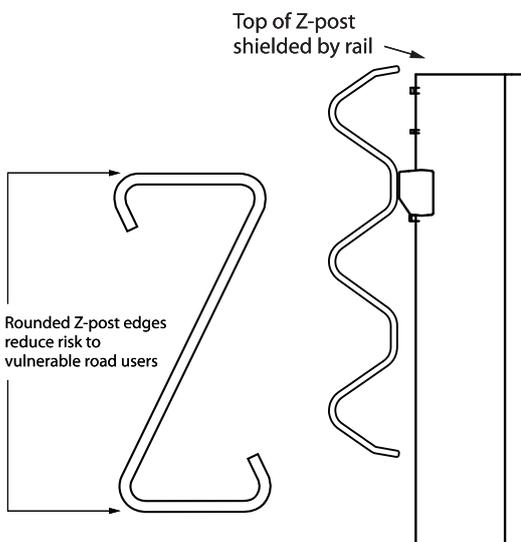
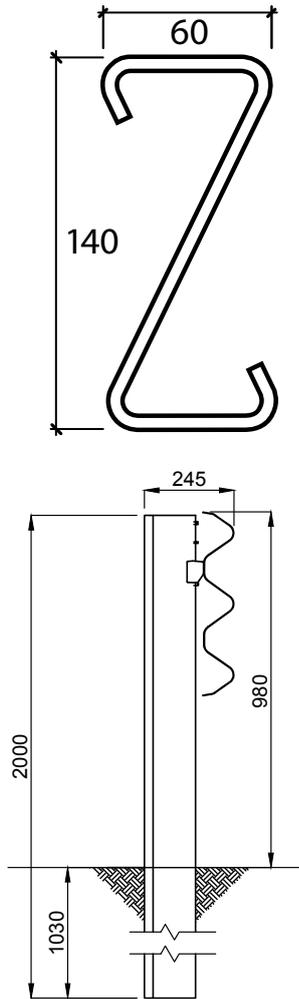
## ADVANTAGES

- Safer** – Fully compliant to MASH TL4.
- High Performance** – Demonstrated containment and re-direction of 10,000kg truck travelling at 90km/h
- Lighter** – Reduced freight costs for your install
- Fewer Parts** – No blocking pieces or rail stiffener plates
- Rapid Installation** – Ezy-Guard HC installation can be up to twice as fast to install than conventional guardrail barriers and no concrete is required (unlike cable barrier systems)
- Cost Savings** – Fewer components to purchase, savings on freight costs and faster to install
- Narrow Width** – A system width of just 245mm conserves valuable formation width
- Consideration for Vulnerable Road Users** – The supporting Z-posts contain smooth, rounded post edges and corners. In addition, the innovative design of Ezy-Guard HC shields the top of the supporting Z-posts by positioning the top of the rail above the posts.  
This eliminates a dangerous snag point and is a significant safety benefit compared to existing safety barrier designs.

## Specifications

Ezy-Guard HC Z-Post Length:	2,000mm
Ezy-Guard HC Z-Post Mass:	19.5kg
Ezy-Guard HC System Mass:	28.8kg per metre
Rail Height Above Ground:	980mm
Z-Post Height Above Ground:	970mm
Post Spacing:	2,000mm
Ezy-Guard HC System Width:	245mm
MASH TL3 Crash Test Deflection:	1.16m
MASH TL4 Crash Test Deflection:	1.77m







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