



Ingal Elevated Barrier Data Sheet

Deck and Side Mounted Bridge Barrier



The new addition to the Ingal guardrail family is the Ingal Elevated Barrier System.

Using many components from the MASH Test Level 4 Ezy-Guard High Containment system, the bridge barrier configuration is designed for bridges and structures requiring AS5100 compliant edge protection. The Ingal Elevated Barrier can be deck or side mounted to the bridge structure, saving valuable lane width.

It is compliant to AS 5100.2 - Low Performance Level, AS/NZS 3845.1, and MASH Compliant. When integrated with the MASH TL3, Ezy-Guard 4 system, it provides a high level of roadside safety.

AS5100.2 Low Performance Level is comparable to the MASH Test Level 2 containment level, this is a 2270kg vehicle impacting the barrier at 70km/h and 25°. However, many structures requiring Low Performance Level barriers have posted speeds of 100km/h. For locations with a posted speed higher than 70km/h, a reduced post spacing configuration of the system is available for the MASH TL3 – 100km/h compliant version of the system.

Ingal Elevated Barrier is designed for minimal load transfer into the structure, reducing potential concrete damage in a crash. This means less road closures or need to repair concrete after impact damage.

INGAL ELEVATED BARRIER utilises components from



TL2 & TL3 OPTIONS

AS/NZS 3845.1 COMPLIANT

Features & Benefits

- Options for MASH TL2 or TL3.
- Simple to install.
- Designed for minimal load transfer into the structure, reducing potential concrete damage in a crash.
- Less need to repair concrete after impact damage.
- Installation can be up to twice as fast to install than conventional bridge barriers.
- Uses fewer components.
- Reduced installation time provides cost savings.
- Lower impact risk to the vehicle occupants through the controlled yielding of the barrier posts.
- Locally designed & produced.



Ezy-Guard 4
Guardrail



Ezy-Guard
Support Structure



Ezy-Guard HC
Guardrail and Transition



| Specifications | TL3 System |
|----------------------------|---------------|
| Thrie-Beam Length | 4,000mm |
| Ezy-Guard BB Z-Post Mass | 13.5kg |
| Corrosive Protection | HDG to AS4680 |
| Rail Height Above Ground | 980mm |
| Z-Post Height Above Ground | 970mm |
| Post Spacing | 1m or 2m |
| Ezy-Guard BB System Width | 245mm |