



Ingal RBT Rigid Barrier Transition Data Sheet

Semi-rigid barrier to rigid concrete structure transition

MASH TL-3 COMPLIANT

Features & Benefits

- **Compliant to MASH TL3.**
- Simple to install.
- Adaptable - connects to existing Ezy-Guard Smart, Ezy-Guard 4 and Ezy-Guard HC guardrail systems.
- Narrow profile, saving valuable formation width.
- Fast to repair in the event of a collision.
- Uses off-the-shelf components.
- The maximum cross fall for an installation of the Ingal RBT is 10H:1V (10%).
- All posts and rails are hot dip galvanized in accordance with AS/NZS 4680.

The Ingal RBT is a MASH Test Level 3 compliant transition for connecting a range of semi-rigid barriers to a rigid concrete structure.

The transition is 6m long and comprises a series of I-Beam posts at 1m and 0.5m spacing on the approach to the rigid structure. The transition posts are a common section used in guardrail end-terminals.

The posts support a 3.5mm BMT thrie-beam panel and a symmetric W-beam to thrie-beam transition panel.

Upon impact, the stiffness of the I-Beam resists lateral deflection of the rail, leading to the containment and redirection of the vehicle without excessive pocketing.

The upstream end of the transition can connect directly into the Ezy-Guard 4 system via the symmetric W-beam to thrie-beam transition panel.

Alternatively, the transition can connect to the Ezy-Guard HC and LDS systems, with the height discrepancy transitioned over two thrie-beam panels.

The Ingal RBT has been crash tested when attached to the same rigid concrete barrier as detailed in the Austroads SBTA 21-005 Transition.



Specifications	TL3 System
Ingal RBT Post Length	1,830mm
Ingal RBT Post Mass	25kg
Ingal RBT System Mass	251kg
Rail Height Above Ground	880mm
Post Spacing	1,000mm and 500mm
Ingal RBT System Width	235mm
Containment Level	MASH Test Level 3

