


Safety Barrier Technical Conditions for Use

INGAL MPR (Motorcyclist Protection Rail)

	Issue Date: February 2018	Supplier: Ingal Civil Products
	These acceptance conditions should be read in conjunction with the Product Manual.	
	These acceptance conditions take precedence over any instructions in the Product Manual.	
	The Department of Infrastructure, Planning and Logistics may withdraw or modify this acceptance at any time without notice. Users should refer to the NTG's website to ensure they have the latest version of the conditions related to this product.	
Acceptance of this product does not place any obligation on the Northern Territory Government or its contractors, to purchase or use the product.		

Status	Accepted – may be used on the classified road network
Product accepted	INGAL MPR (Motorcyclist Protection Rail) <u>Variants</u> Nil Variants that are NOT listed above are NOT recommended for acceptance.
Accepted speed	100 km/h
Product manual reviewed	05/17
Product manual	https://www.ingalcivil.com.au/products/road-safety-barriers/motorcyclist-barriers/ingal-mpr#Manual

Test Outcomes

Containment Level	Point of Redirection (m)		Tested Article Length (m)	Anchor/Post Spacing (m)	Dynamic Deflection (m)	Working Width (m)	Notes
	Leading	Trailing					
EN1317-8 TM1.60							Dummy tested to EN1317-8 60km/h, 30° angle of impact. Tested with 900 kg car at 100 km/h and 20° angle of impact, and 1,500 kg car at 110 km/h and 20° angle of impact.
EN1317-8 TM3.60							

Approved Connections

Crash Cushions or Terminals must be fitted to both ends of a barrier	
Public Domain Products	
W-Beam Guardrail	Permitted
Thrie-Beam Guardrail	Not Permitted
Concrete	Not Permitted

Proprietary Products	
EZY-GUARD SMART Steel Rail Safety Barrier – Permanent	<ul style="list-style-type: none"> See EZY-GUARD SMART Steel Rail Safety Barrier acceptance document for conditions of use.

Design Guidance

This product must be installed and maintained in accordance with the Product Manual and Road Agency specifications. Road Agency specifications and standards shall have precedence.	
Minimum installation length	Not applicable
System width (m)	Not applicable
Minimum distance to excavation	Not applicable
Slope limit	Pavement slope
Systems conditions	1. End piece must be fitted to both ends of component. 2. The end pieces must not be within a curve or terminal.
Gore area use	Not Permitted
Pedestrian area use	Permitted – consider potential for snagging and deflection
Cycleway use	Permitted – consider potential for snagging and deflection
Frequent impact likely	Permitted
Remote location	Permitted
Median use	Permitted – where rear impact is not possible

Foundation Pavement Conditions					
Pavement	Use	Accepted Speed (max)	Post/Pin Spacing (m)	Post/Pin Type	Pavement Construction
Concrete					Not applicable
Deep lift asphaltic concrete					
Asphaltic concrete over granular pavement					
Flush seal over granular pavement					
Unsealed compacted formation					
Natural surface					

Note: Installation in pavement conditions not listed above have not been justified to the Panel's satisfaction.