


Safety Barrier Technical Conditions for Use

BIKER-SHIELD Motorcyclist Protection Device

	Issue Date: 5 December 2018	Supplier: Safe Direction
	<p>These conditions take precedence over any instructions in the Product Manual.</p> <p>This document is a summary of the Austroads Safety Barrier Assessment Panel's assessment of the technical performance of the product against AS/NZS 3845 Parts 1 or 2 only. It does not consider procurement practices by individual Road Agencies.</p> <p>The Austroads Safety Assessment Panel may at any time, withdraw or modify this Technical Conditions for Use without notice.</p> <p>These acceptance conditions should be read in conjunction with the Product Manual and Austroads Guide to Road Design Part 6: Roadside Design, Safety and Barriers.</p> <p>Acceptance of this product does not place any obligation on the Northern Territory Government or its contractors, to purchase or use the product.</p>	

Status	Accepted – may be used on the classified road network
Product accepted	BIKER-SHIELD Motorcyclist Protection Device <u>Variants</u> Nil Variants that are NOT listed above are NOT recommended for acceptance.
Accepted speed	100 km/h
Product manual reviewed	PM 025-01
Product manual	https://www.safedirection.com.au/products/guardrail-products/road-barriers/biker-shield-guardrail/

Test Outcomes

Containment Level	Point of Redirection		Tested Article Length (m)	Anchor/Post Spacing (m)	Dynamic Deflection (m)	Working Width (m)	Notes
	Leading (m)	Trailing (m)					
EN1317-8 TM1.60							Dummy tested to EN1317-8 Impact Severity Level 2. Tested to MASH TL3 (1,100 kg car at 100 km/h and 25°)
EN1317-8 TM3.60							

Approved Connections

<i>Crash Cushions or Terminals must be fitted to both ends of a barrier</i>	
Public Domain Products	
W-Beam Guardrail	Not Permitted
Thrie-Beam Guardrail	Not Permitted
Concrete	Not Permitted
Proprietary Products	
Ramshield	<ul style="list-style-type: none"> See Ramshield 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	Side slope limit: 10 Horizontal to 1 Vertical (10%)
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.