


# Safety Barrier Technical Conditions for Use

## BIKER-SHIELD Motorcyclist Protection Device

	<b>Issue Date:</b> : 7 June 2021	<b>Supplier:</b> Safe Direction
	<p><b>These conditions take precedence over any instructions in the Product Manual.</b></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	<b>Recommended for Acceptance</b>
Product accepted	BIKER-SHIELD Motorcyclist Protection Device  <u>Variants</u> Base plate installation - should be limited to constrained locations where a driven post cannot be installed due to underground services.  Variants that are NOT listed above are NOT recommended for acceptance.
Accepted speed	100 km/h
Product manual reviewed	PM 025-03
Product manual	<a href="https://www.safedirection.com.au/products/guardrail-products/road-barriers/guardrail-barriers/biker-shield/?gclid=EAlalQobChMI6beCgb-f9wlVn5lmAh0_NQ1qEAAAYASAAEgJsXfD_BwE">https://www.safedirection.com.au/products/guardrail-products/road-barriers/guardrail-barriers/biker-shield/?gclid=EAlalQobChMI6beCgb-f9wlVn5lmAh0_NQ1qEAAAYASAAEgJsXfD_BwE</a>

### Design Requirements

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	Refer Ramshield Technical Conditions for Use						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>An accepted end treatment must be provided at both ends of all barrier installations</i>	
<b>Public Domain Products</b>	
W-Beam Guardrail	Not Permitted
Thrie-Beam Guardrail	Not Permitted
Concrete	Not Permitted
<b>Proprietary Products</b>	
Ramshield Safety Barrier	<ul style="list-style-type: none"> <li>Refer to Ramshield Safety Barrier Technical Conditions for Use.</li> </ul>

**Design Guidance**

Minimum installation length	Not applicable
System width (m)	Not applicable
Minimum distance to excavation	Not applicable
Slope limit	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
Cycleway use	Permitted
Frequent impact likely	Permitted
Remote location	Permitted
Median use	Permitted – where rear impact is not possible

<b>Foundation Pavement Conditions</b>					
<b>Pavement Type</b>	<b>Use</b>	<b>Max Accepted Impact Speed (km/h)</b>	<b>Post/Pin Spacing (m)</b>	<b>Post/Pin Type</b>	<b>Pavement Construction</b>
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 permitted above have not been justified to the Panel's satisfaction.*