


Safety Barrier Technical Conditions for Use

CrocGuard Safety Barrier - Permanent

	Issue Date: 9 June 2022	Proponent: Safe Direction
	<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. The Austroads Safety Barrier Assessment Panel may at any time, withdraw or modify this document without notice.</p> <p>These Technical Conditions for Use do not imply that this product may be used on roads under the care and control of individual Road Agencies. Users should refer to individual Road Agency websites to determine whether this product is accepted for use within that jurisdiction, and if the Road Agency has adopted any additional or specific requirements.</p> <p>These conditions do not take precedence over Road Agency specifications and standards.</p> <p>These conditions do take precedence over instructions in the Product Manual.</p>	

Status	Recommended for Acceptance
Product accepted	CrocGuard Safety Barrier
	<u>Variants</u> Variants that are NOT listed above are NOT recommended for acceptance.
Accepted impact speed	100 km/h
Product manual reviewed	PM 031/05

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)					
MASH TL3	Interface between barrier and end treatment		16	16	0.82	1.10	
MASH TL4	Not applicable		16	16	0.90	1.90	Tested at midspan at TL4

Approved Connections

An accepted end treatment must be provided at both ends of all barrier installations	
Public Domain Products	
W-Beam Guardrail	Not permitted
Thrie-Beam Guardrail	Not permitted
Concrete	Not permitted
Proprietary Products	
MSKT	<ul style="list-style-type: none"> Refer MSKT Technical Conditions for Use. The Ramshield Transition must be used to connect CrocGuard to the MSKT.
Ramshield HC Safety Barrier	<ul style="list-style-type: none"> Refer Ramshield HC Safety Barrier Technical Conditions for Use. The Ramshield Transition must be used to connect CrocGuard to Ramshield HC Safety Barrier.
Ramshield Safety Barrier	<ul style="list-style-type: none"> Refer Ramshield Safety Barrier Technical Conditions for Use. The Ramshield Transition must be used to connect CrocGuard to the Ramshield Safety Barrier.

Design Guidance

Minimum installation length	8 metres between crash cushions/terminals
System width (m)	0.28
Minimum distance to excavation (m)	Not applicable
Side slope limit	10%
System conditions	Installation on top of a kerb is not recommended.
Gore area use	Permitted
Pedestrian area use	Permitted
Cycleway use	Permitted
Frequent impact likely	Permitted
Remote location	Permitted
Median use	Permitted

Foundation Pavement Conditions					
Pavement Type	Use	Max Accepted Impact Speed (km/h)	Post/Pin Spacing (m)	Post/Pin Type	Pavement Construction
Concrete	Permitted	100	8 to 16	Concreted Post	Minimum AASHTO Standard Soil strength
Deep lift asphaltic concrete					
Asphaltic concrete over granular pavement					
Flush seal over granular pavement					
Unsealed compacted formation					

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