

Safety Barrier Technical Conditions for Use

3.6 Metre JJ Hooks Safety Barrier - Temporary

	Issue Date: 1 December 2020	Proponent: Australian Road Barriers Pty Ltd
	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.	
	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.	
	These conditions do not take precedence over Road Agency specifications and standards.	
	These conditions do take precedence over instructions in the Product Manual.	

Status	Recommended for Acceptance
Product accepted	3.6 Metre JJ Hooks Safety Barrier - Temporary <u>Variants</u> Variants that are NOT listed above are NOT recommended for acceptance.
Accepted impact speed	100 km/h
Product manual reviewed	November 2020

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	28.8	28.8	59	Freestanding	1.63	2.23	

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	
LEGACY: ABSORB 350 Plastic Terminal	• LEGACY status recommended from 1 January 2021. • The installation is restricted to an impact speed of 70 km/h or less. • Refer to ABSORB 350 Terminal Technical Conditions for Use. • The JJ Hooks to AB350 Terminal transition must be used to connect the terminal to the barrier. • This is a gating device.
ABSORB-M Crash Cushion	• The installation is restricted to an impact speed of 70 km/h or less. • Refer to Absorb-M Crash Cushion Technical Conditions for Use. • The JJ Hooks to Absorb-M Crash Cushion transition must be used to connect the crash cushion to the barrier. • This is a gating device.

Design Guidance

Minimum installation length	59 metres between crash cushions/terminals (tested article)
System width (m)	0.61
Minimum distance to excavation	1.63 – measured from the face of the barrier on the works side
Slope limit	6%
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	<u>Freestanding</u> Foundation pavement conditions must be smooth and free of snag points, kerbs or obstruction that may interfere with the operation of the product		
Deep lift asphaltic concrete					
Asphaltic concrete over granular pavement					
Flush seal over granular pavement					
Unsealed compacted formation	Not Permitted				

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