


# Safety Barrier System Acceptance Conditions

## HERCULES Steel Crash Cushion

	<b>Issue Date:</b> 25 October 2019	<b>Supplier:</b> Safe Barriers Pty Ltd
	<p><b>These conditions take precedence over any instructions in the Product Manual.</b></p> <p>These acceptance conditions should be read in conjunction with the Product Manual and Roads and Maritime Specification R132 – Safety Barrier Systems and Austroads Guide to Road Design Part 6: Roadside Design, Safety and Barriers.</p> <p>Roads and Maritime Services may withdraw or modify this acceptance at any time without notice. Users should refer to the Roads and Maritime Services website to ensure they have the latest version of the conditions related to this product.</p> <p>Acceptance of this product does not place any obligation on Roads and Maritime Services, or its contractors, to purchase or use the product.</p>	

Status	Accepted – may be used on the classified road network
Product accepted	HERCULES Steel Crash Cushion  <u>Variants</u> Nil  Variants that are NOT listed above are NOT recommended for acceptance.
Accepted speed	100 km/h

## Tested 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)					
MASH TL3	Fully redirective		5.83	Refer drawings	N/A	N/A	Hazard free area 3 metres downstream and 12 metres laterally to be provided

## Approved Connections

<b>Crash Cushions or Terminals must be fitted to both ends of a barrier</b>	
<b>Public Domain Products</b>	
W-Beam guardrail	Not permitted
Thrie-Beam guardrail	Not permitted
Concrete Type F	Permitted
<b>Proprietary Products</b>	
	Refer to Safety Barrier conditions for approved proprietary connections

## Design Guidance

This product must be installed and maintained in accordance with the Product Manual and Roads and Maritime specifications	
System length (m)	5.83 metres
System width (m)	0.59 metres
Minimum distance to excavation	N/A
Slope limit	Side slope limit: (8%)
Systems conditions	<ol style="list-style-type: none"> <li>1. A 3 metre x 12 metre clear run-out area is required, measured from the connection to the longitudinal barrier.</li> <li>2. Installation on top of a kerb is not recommended.</li> </ol>
Gore area use	Permitted
Pedestrian area use	Permitted – consider potential for snagging and deflection
Cycleway use	Permitted
Frequent impact likely	Permitted
Remote location	Permitted
Median use	Permitted

Foundation Pavement Conditions					
Pavement	Use	Accepted Speed (max)	Post/Pin Spacing (m)	Post/Pin Type	Pavement Construction
Concrete	Permitted	100 km/h	Refer manual	Epoxy anchored	6.1m x 1.0m x 250mm depth non-reinforced concrete OR 6.0m x 800mm x 190mm depth reinforced concrete
Deep lift asphaltic concrete	Not Permitted				
Asphaltic concrete over granular pavement					
Flush seal over granular pavement					
Unsealed compacted formation					

**Note: Installation in pavement conditions not listed above have not been justified to the Roads and Maritime's satisfaction.**