


Safety Barrier Technical Conditions for Use

MSKT (MASH Sequential Kinking Terminal) - Permanent

	Issue Date: 7 March 2024	Proponent: Safe Direction
	Status: Recommended for acceptance	Accepted Impact Speed: 100 km/h
<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 take precedence over instructions in the Product Manual, refer Austroads Technical Advice SBTA 22-001. Product manual current at time of TCU: PM 022/02</p>		

Design Requirements

Containment Level	MASH TL2	MASH TL3
Accepted Impact Speed	70 km/h	100 km/h
Point of Redirection – Leading (m)	Post #3	Post #3
Point of Redirection – Trailing (m)	Post #3	Post #3
System Length (m)	9.50	14.29
Anchor/Post Spacing (m)	1.905	1.905
System Width (m)	0.51	0.51
System Conditions	<ul style="list-style-type: none"> Gating terminal – clear run-out area required. Installation on top of a kerb is not recommended, however if installed on top of a kerb all system components must be free to operate. 	

Approved Variants

Variant	Functional Purpose	Conditions
Nil		
<p><i>Variants that are not listed above are NOT recommended for acceptance. Alterations to or combinations of the variants listed above are not recommended unless noted.</i></p>		

Approved Connections

Safety Barriers	
Proprietary products	<ul style="list-style-type: none"> Refer to Safety Barrier Technical Conditions for Use for accepted connections.
Public Domain W-Beam Guardrail	<ul style="list-style-type: none"> Permitted
<p><i>Connections that are not listed above are NOT recommended for acceptance.</i></p>	

Foundation Pavement Conditions

Pavement Type	Post/Pin Spacing (m)	Post/Pin Type	Pavement Construction
Concrete	Not permitted		
Deep lift asphaltic concrete	Not permitted		
Asphaltic concrete over granular	1.905	Driven post	Min AASHTO standard soil strength
Flush seal over granular	1.905	Driven post	Min AASHTO standard soil strength
Unsealed compacted formation	1.905	Driven post	Min AASHTO standard soil strength
<i>Installation in pavement conditions not permitted above have not been justified to the Panel's satisfaction.</i>			