Safety Barrier Technical Conditions for Use

Austroads

MASH TL3 BRIFEN Wire Rope Barrier System - Permanent

Issue Date: 20 November 2020	**Proponent:** Safe Direction

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	MASH TL3 BRIFEN Wire Rope Barrier System <u>Variants</u> Variants that are NOT listed above are NOT recommended for acceptance.
Accepted impact speed	100 km/h
Product manual reviewed	PM 028/02

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	11.25 from anchor		187	2.1	2.4	2.4	

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	
MASH BRIFEN Terminal	• Non-release terminal. • This is a gating terminal. Gating terminals shall have a run-out area behind the terminal that is traversable and free of hazards. The run-out area is to be 18.5 m x 6 m from the point of redirection.

Design Guidance

Minimum installation length	164.5 metres between crash cushions/terminals (tested article)
System width (m)	0.3
Minimum distance to excavation (m)	2.4 – measured from the face of the barrier
Side slope limit	10%
System conditions	1. Minimum horizontal radius 200 metres 2. Minimum sag radius 3000 metres (K value = 30) 3. 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.

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	2.1	Posts in 300mm diameter x 900mm deep concrete footings	Minimum AASHTO standard soil strength with coring holes
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.