



**MASH**  
COMPLIANT

WITH ONE SINGLE PRODUCT



**TL3** STANDARD



**TL4** STANDARD



**TL3 LDS**



**TL4 LDS**



**TL3 MDS**

**SafeZone™**  
safer. simpler. smarter.



**Jaybro**

CONSIDER IT **DONE**®

**SafeZone™**

Standard / LDS / MDS

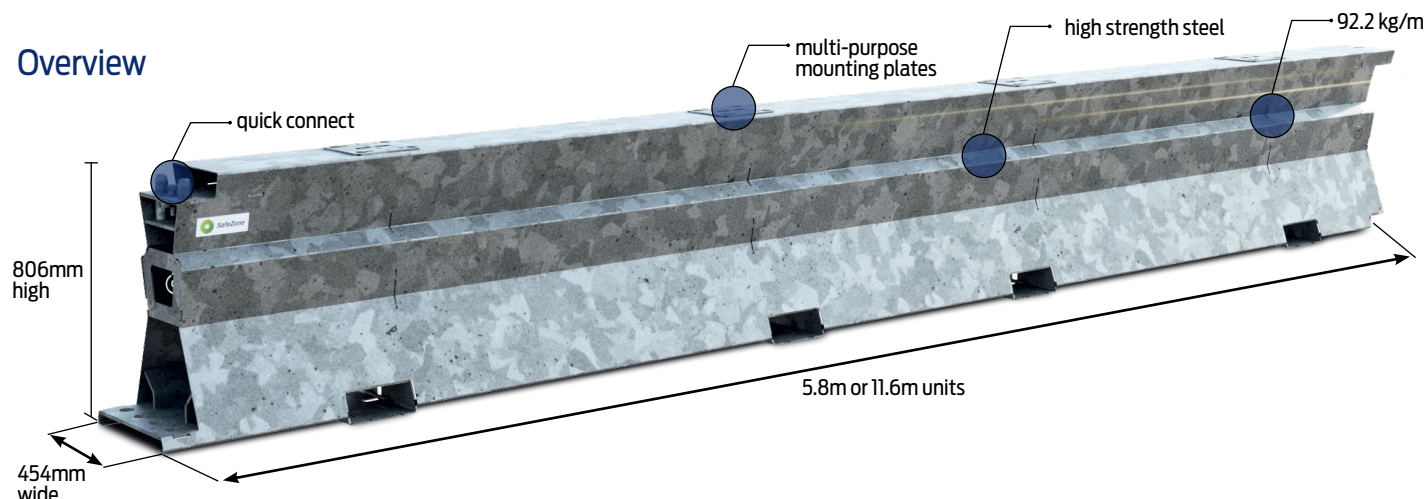
Technical Product Datasheet (Version 1.1)

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## Overview



454mm is the transportable Width Barrier system  
639mm Wide when Anchor shoe is installed

## General

SafeZone™ is a rapidly deployable Steel Safety Barrier conforming to American Association of State Highway and Transportation Officials (AASHTO) Manual for Assessing Safety Hardware (MASH) test standards.

The MASH specification is an update to and supersedes NCHRP Report 350 for the purposes of evaluating new safety hardware devices. MASH is also the basis of testing procedures for road safety systems as stated in AS/NZS 3845.1: 2015 Road Safety Barrier System and Devices. The introduction of MASH follows changes to the vehicle fleet, researching of real-life impact conditions and updated criteria for evaluating barrier performance.

SafeZone™ is a smooth faced modular vehicle restraint system, anchored to the ground at the end of each run or at intermediate anchor points along its length as required to meet site-specified performance requirements. The closed design feature of SafeZone™ eliminates snag points providing consideration for vulnerable road users.

SafeZone™ comprises single, prefabricated 5.8m elements. Two (2) elements are bolted together at the factory prior to deployment, providing 11.6m long sections with male and female Quick Connect connectors to facilitate rapid onsite assembly. Fast connection of the elements is achieved by lining up the barrier and locking the Quick Connect connectors together.

The symmetrical design of SafeZone™ enables it to be deployed as either a single- or double-sided barrier providing protection for verge and median applications. The barrier may be secured to concrete and asphalt road surfaces.

The maximum length of the system is unlimited as the barrier relies upon the combination of torsional rigidity, anchoring and system mass to provide safe vehicle containment and redirection.

The anchoring frequency of SafeZone™ may be adjusted to provide three (3) configuration options:

1. SafeZone™ Standard;
2. SafeZone™ LDS; and
3. SafeZone™ MDS.

## Deflection Chart

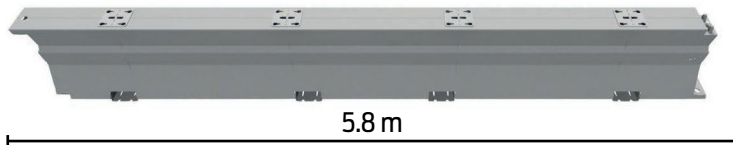
Model	Dynamic Deflection	Dynamic Working Width	Length of need	Anchorage
SafeZone TL3 Standard	1.70m	2.06m	69.63m	every 69.6m
SafeZone TL4 Standard	2.07m	2.96m	69.63m	every 69.6m
SafeZone TL3 Limited Deflection	0.42m	1.06m	40.62m	every 11.6m
SafeZone TL4 Limited Deflection	0.45m	2.17m	40.62m	every 11.6m
SafeZone TL3 MDS Deflection	169mm	808mm	40.62m	every 5.8m

## Table of Curvatures

Method	Description	Max. Angle	Radius (comment)
1	Movement on Quick Connect	0.63 °	minimum radius using only standard barriers: 528.0m
2	5 degree angle piece	5.0 °	
3	10 degree angle piece	10.0 °	minimum radius achievable using only 10° angle pieces: 11.2 m

Depending on the arc length any radius between 11.2m – ∞ can be achieved using the parts in the table above. For job specific analysis contact your supplier.

## Common Components List



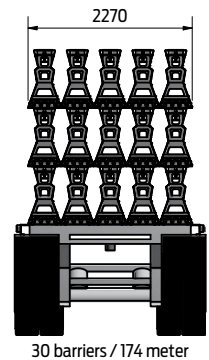
SafeZone 5.8m (19.0ft) section, male/female Quick Connect (AS31840000)

### Efficient Transport Solution

174m Transportable 3 High without any Barrier inversion required. 58m per layer.

454mm is the transportable Width Barrier system.

639mm Wide when Anchor shoe is installed.



30 barriers / 174 meter



SafeZone 11.6m section, male/female Quick Connect, a unit



SafeZone anchor shoe (AS31840020)



SafeZone Flat top pin (AS31642592)

*Standard deflection installs only*



M30 x 316mm Gravity Bar



SafeZone Threaded rod 300mm (KE31840030)



SafeZone Threaded rod 175mm (KE31840031)

*Concrete installs only*



SafeZone Excalibur bolt 300mm

*Standard deflection installs only*

# Designed to protect.

# SafeZone™

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-  **TL4** LDS
-  **TL3** MDS



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