

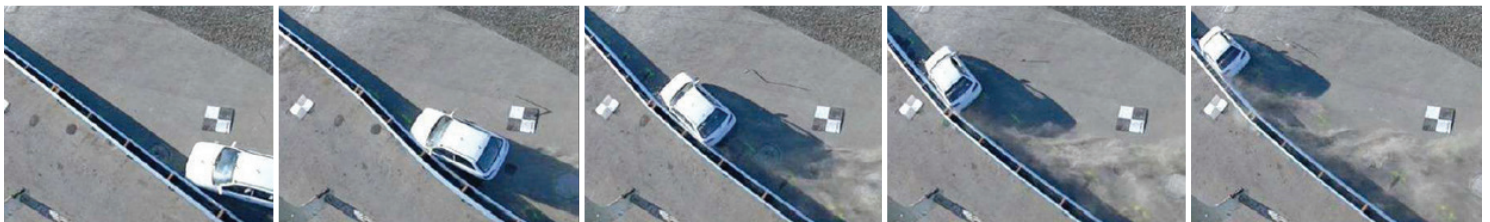
OVERVIEW

The **Orion™** TL-3 barrier has been designed, tested and accepted to NCHRP 350 criteria for longitudinal barriers. **Orion's** unique 12.3m steel units are joined together by removable steel pin connectors. The first and last units need to be anchored to the ground with standard (off the shelf) anchor pins.

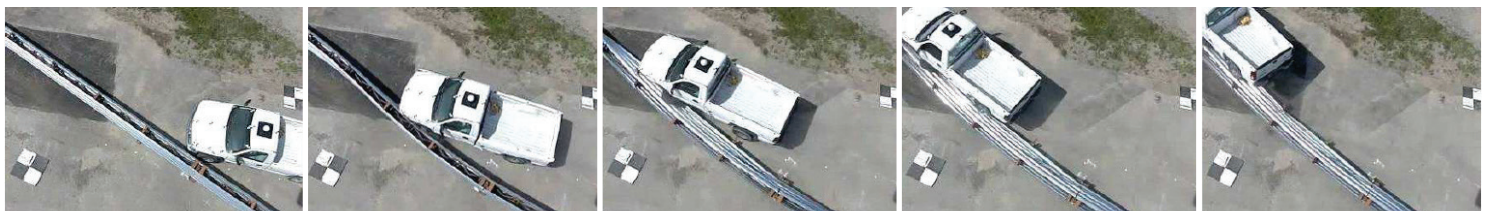
Upon impact with either an 820 or 2000 kg vehicles **Orion™** safely re-directed them from impact at angles up to 25° and 100kph. Safe and predictable trajectories were observed during the tests.

Orion™ is a low cost, high performance TL-3 barrier, therefore the ideal solution to provide positive work zone protection in construction sites and other miscellaneous roadside activities involving live vehicle traffic.

The **Orion™** TL-3 barrier has many advantages in the market place including: high performance, fast deployment rates, increased durability and ease of repair. All of this being offered at the lowest price in the market for a product this category.



820kg Vehicle, 100kph, 20° Impact on the Orion™



2000kg Vehicle, 100kph, 25° Impact on the Orion™

FEATURES

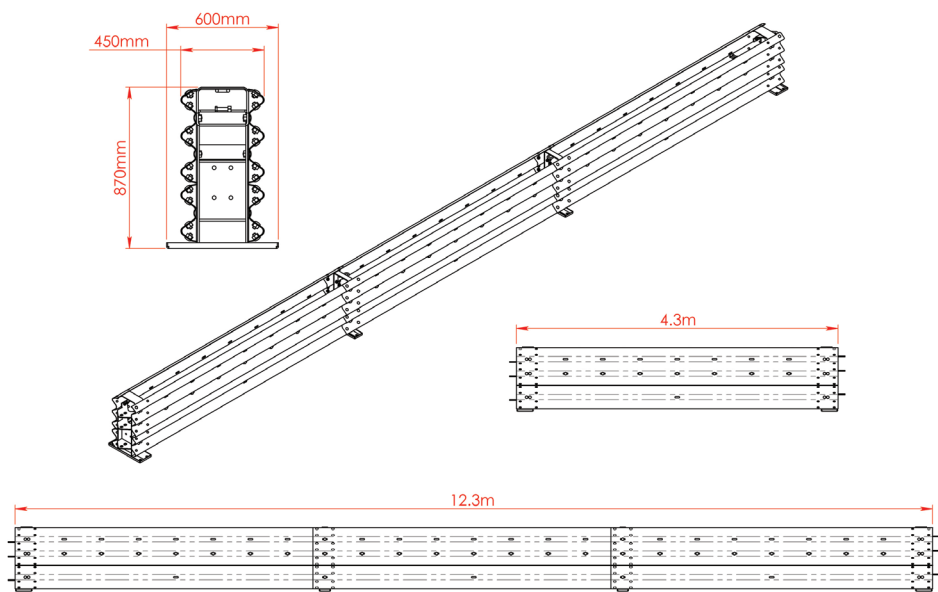
- Positive work zone barrier protection
- Exceptionally good vehicle control and low deflection
- Easy, safe and fast installation (compared to concrete or plastic)
- Up to 185m can be fitted in one truck load
- Up to 370m can be deployed in one hour
- It only requires anchoring at the first and last units
- Low deflection "fully pinned" option also available
- Connects directly to the Absorb 350™ Crash Cushion
- Low cost and easily repaired after impact
- Tested and accepted to NCHRP 350 Criteria, Test Level 3 (TL-3)





SPECIFICATIONS

Specifications	
Effective Length	12.3m (4.3m also available)
Height	883mm
Width	477mm
Barrier Unit	Galvanised Steel
Pin Connector	Galvanised Steel
Hold Down Pins	Galvanised Steel
Weight (per unit)	896kg
Weight (per meter)	73kg
Minimum Radius	124m-355m
Deflection (200P)	1.85m



SUMMARY

Orion™ is a high performance, low cost TL-3 barrier designed to provide positive work zone protection. It has been successfully tested and accepted to NCHRP 350 Criteria, Test Level 3 (TL-3).

The Orion™ barrier ends can be protected using the Absorb™ TL-3 crash cushion or any other permanent crash cushion depending on installation requirements.

Orion™ offers the most viable solution for the typical work zone protection problem. It allows for a fast deployment and removal, making our roads safer (faster) while protecting personnel lives in worksites adjacent to live traffic.



AM(v8) 241012

REPRESENTED BY:

