



ARRESTA 100®

Arresta 100 Product Brochure

[Rapid Deployment Trailer Vehicle Arrestor]

[One Device. Two Modes.]



Tow Mode

A registered road trailer

Light trailer — ATM 2,500kg, Tare Weight approx. 2,000kg. Within the towing capacity of a standard work ute. 50mm tow ball and electric brake controller. Road registered — tow anywhere, by anyone with a standard licence.



Deployed Mode

A crash-tested roadsafety barrier

MASH TL-3 tested. ASBAP approved. NSW and QLD accepted. No operator required once deployed.

[Trailer Vehicle Arrestor]

Road worker protection built for temporary static works.

First of its kind.

No cranes for install	No extra crew	No trucks or kit	Easy drop & go

Drop & go with a standard work ute.

[The Stats That Matter]

Fatalities	18
Serious Injuries	245
Minor Injuries	530
Annual Cost	\$347m

Annual Crashes & Cost from crash incidents on Roadside worksites*

Every number represents a worker that deserves to return home safely.

Shocking statistics that highlight the importance of roadside worksite safety.

Report also notes “The incidence data may be conservative to the extent that it excludes near misses with their associated potential for distress and disruption, and also there is under-reporting particularly for crashes of minor injury severity.”

Source: * Austroads National Harmonisation of Temporary Traffic Management Practice: Benefit-Cost Analysis 2022.

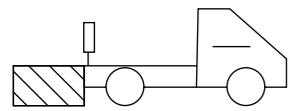


Our solution identifies a gap, protection that is tailored for workers on temporary static work sites.

Every other segment of roadworks has a targeted barrier solution. Temporary static works; the largest segment of roadworks did not. Until now.

Safety First - No operator required once deployed. The crew positions it and moves away. Nobody left in harm's way.

Cost Effective - No dedicated truck. No crane. No extra crew. More cost effective in capital and operating.

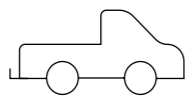


MOBILE WORKS

Moving & Stop Start
Rolling worksite and intermittent start works; line marking & Vegetation.

Devises:
TRUCK MOUNTED ATTENUATOR
Requires a large truck with attenuator attached, and operator.

Equipment & Skills:
- Large Truck with attenuator
- Truck Driver with TMA ticket

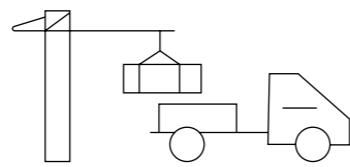


SHORT-TERM STATIC WORKS

Temporary static works
Short term stationary worksites. Up to a day or two; Road Maintenance, Utilities, Vehicle recovery & emergency services.

Devises:
(ARRESTA 100)
Can be transported by any standard work ute. Drop & Go in a matter of minutes.

Equipment & Skills:
- No additional equipment
- No operator once deployed



LONG-TERM STATIC WORKS

Longer term works
Worksite established for weeks, or months; Road Construction & long-term works.

Devises:
LONGITUDINAL PROTECTION
Semi-permanent barriers protecting roadworks by delineating the worksite from traffic.

Equipment & Skills:
- Large Transport Truck
- Crane – Franna or Hiab
- Truck / Crane Operator
- Installers
- Barriers



A First Of Its Kind —

A purpose-built for temporary static works. Tow in, deploy, and move away. No one in harm's way once deployed.

[In Summary]

Effective Protection

Provides proven protection for both workers and vehicle occupants.

Operator Safety

No operator is required to remain in the vicinity once deployed.

Rapid Deployment

Set up and pack away in just minutes.

Cost-Effective Solution

Significant cost savings, using existing workers and standard work vehicles and utes.

Sustainable Design

Maximised re-use after crash impact with fast repair time to get it back on the road quickly.

M-A-S-H Tested

[Lvl 3 (TL3) 100km/h T.50 - T.51 - T.52 - T.53]

Two Phases Attenuation & Arrest

Phase 1 Attenuation

Energy absorption cassette collapses

Vehicle starts to move onto trailer floor

Trailer largely static

Over 50% reduction in vehicle speed

Phase 2 Arrest

Combined mass of vehicle & device

Friction dissipates remaining energy of combined mass.

Pre-Impact



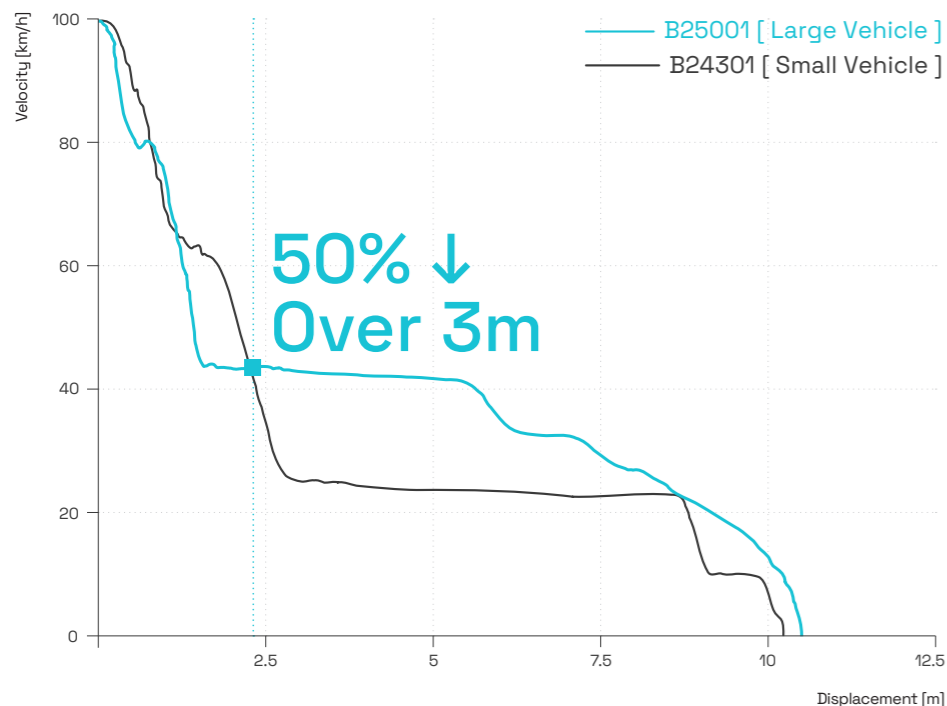
Phase 1 Attenuation



Phase 2 Arrest



Attenuation & Arrest— Vehicle Velocity VS Displacement



Over 50% reduction in vehicle speed in less than 3m, across all tests.

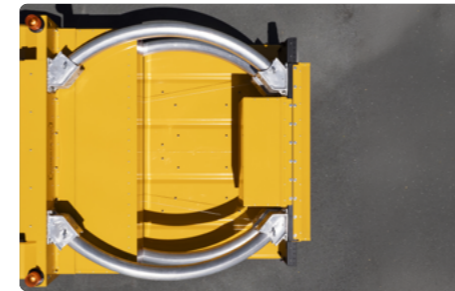
The innovation of the Arresta100 creates a new category of protection that fills a critical gap in the market.

Our vision to create a revolutionary barrier technology that empowers road crews with immediate safety capabilities is now a reality.

We designed our solution specifically for temporary stationary worksites—the backbone of our road network maintenance.

This safety system can be towed by any standard work utility vehicle, perfect for day-to-day essential services in static worksites including road repairs, utility maintenance, vehicle recovery, emergency response — locations where crews need to set up quickly and pack down just as fast.

Rapid Drop & Go In Minutes



Reusable Cassette

Replace the cassette, not the unit.

The Arresta 100 is built in two parts — a reusable main body and a sacrificial cassette. The cassette bolts on and off, absorbs the impact energy, and is the only part that needs replacing after a crash. One main body. Seven crash tests. Proven. Bolt on a new cassette and get back on the road quickly.



30X Rubber Feet

More rubber on the road.

More than thirty individual rubber feet put significantly more rubber on the road than a four-wheeled vehicle. They spread the friction and load during the Arrest phase, keep the unit largely static during a vehicle strike, and accommodate variations in road surface — including pot holes and uneven surfaces.



Rear Floor Plate

The impacting vehicle does the work.

The rear floor plate sits flat on the road surface. When a vehicle strikes the Arresta 100, it drives up onto the plate — and the mass of the impacting vehicle itself becomes part of the arrest system. The heavier the vehicle, the greater the friction force.



Attenuation Control Measures Better controlling impact.

Unique aspects of the cassette design — including angled crush tubes and a controlled tube end box — keep the attenuation centred during impact, support the impacting vehicle from above and below, and smooth vehicle deceleration. The result: controlled, predictable energy absorption across all MASH TL-3 tests.



Towing Safety & Ride Quality Built for Australian roads.

Airbag suspension delivers a smooth tow and protects cassette components on rough roads. AL-KO Sway Control is fitted as standard — continuously monitoring trailer movement and automatically dampening sway for safer highway towing.



Lithium Battery Always ready. Anywhere.

The Arresta 100 runs on a lithium battery with three charging options — solar, Anderson plug, or 240V. Charge how and where it suits you.

Protects, it's in our name.
Designed & Built in Australia.

[ARRESTA 100[®]]

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