



VEHICLE HIRE MANUFACTURE AFTERSALES



Designed and built by those who use them

Scorpion Crash Cushion



crash cushion from Acklea Ltd - the UK's leading traffic management equipment supplier

The **first** crash cushion to be tested and passed in the U.K.
at the new 70mph speed test

Passed **all** offset tests (3-50, 3-51, 3-52, 3-53)

Provides **complete** coverage of support truck for total protection

Complies fully with Chapter 8 of the Highways Agency & DfT
& NCHRP 350 specifications

Acklea Ltd are the UK's exclusive agents for this cushion which is imported under agreement from TrafFix Devices Inc., USA

The Scorpion crash cushion - different by design



The Scorpion crash cushion is revolutionary in the UK traffic management industry. The Scorpion's modular design creates an unbeatable standard of performance. Rigorously tested both in the USA and UK, this unique cushion brings many benefits to the user.

Safe and economical design...

- Scorpion's low profile and open tubular design:
 - minimises wind resistance and drag
 - allows you to drive at the speed limits safely
 - increases rear visibility
 - improves fuel economy
- The lightweight, aluminum construction of the tubes is corrosion resistant and weighs just over 900kg.
- With its modular design, the Scorpion crushes in progressive stages upon impact thus reducing repair costs as only the sections of the cushion that are actually damaged need to be replaced. The aluminium boxes are filled with moisture-proof, aluminium material which absorbs the energy from an impacting vehicle.

Maximum protection...

- The unique curved design redirects side angle impacts away from the exposed corner of the truck, offering full width impact protection along the entire length of the cushion. Other manufacturer's models have little or no side-angle impact protection.

Versatile and compact...

- Scorpion can be easily and quickly mounted to, or removed from, the truck. The cushion will fold at 90° to the truck bed during transport and storage. It's compact design when folded creates very little overhang beyond the rear of the truck (approx. 1m).
- The Scorpion crash cushion can be easily mounted directly to the frame of most trucks, in order to accommodate a variety of truck models. Acklea can supply various brackets and extension frames to increase the Scorpion's versatility.
- The hydraulic system allows the cartridge to be partially raised for maximum road clearance and manoeuvrability.



The Scorpion crash cushion dimensions:

Length: 4.2m
Width: 2.45m
Weight: 900kg



Proven, tried and tested...

- The Scorpion crash cushion has been designed and built to last. Extensive testing, simulating thousands of miles, driving over 600+ curbs, risers and drop-offs, ensures the Scorpion's durability and performance is assured.
- The Scorpion crash cushion has been tested and passed ALL optional and mandatory requirements suggested in NCHRP-350 these being 3-50, 3-51, and optional tests 3-52, 3-53, and the UK test TD49/07 at 110km/h or 70mph. It is also the only cushion to have taken and passed the side impact re-directional test which is an optional test at this level. The Scorpion is the only cushion to have actually taken and passed in the UK the TD49/07 test at 110km/h or 70mph.

Undeniably, smart, safe and user friendly

Only from Acklea...

Acklea manufacture bespoke traffic management vehicles to a customer's specific requirement. Cameras, a colour monitor, microphones and infra-red for all round vision and control can be included on the support vehicle, as can boxes for sand bags, lights and spider legs as well as storage for cones on the bed of the lorry. Signs can be stored in Acklea's unique racking system. Customer's also have the option of a VSA board and standard four-way lighting systems for total versatility.

Acklea's knowledgeable sales and engineering teams can assist you with any installation or technical questions you may have. Our engineers are available 24/7 to respond to any calls.

Acklea aim to provide the highest quality equipment backed up by a first class support service - *it's a service you can rely on.*



Designed and built by those who use them

ACKLEA
The UK's Leading Traffic Management Vehicle Specialist

Clark Avenue
Porte Marsh Industrial Estate
Calne, Wiltshire. SN11 9RD
T: 01249 822600
F: 01249 820111
E: info@acklea.biz
W: www.acklea.com