



Van Trepan™

The Van Trepan™ is an EOD Access Tool which enables EOD Teams the ability to remotely or semi remotely gain entry in to a panel van (or similar barriers) to enable the remote observation of a cargo vehicle's main load carrying area or to deploy a disruptive EOD tool into the vehicle as part of a two stage IED render-safe procedure (RSP).

Used in conjunction with a Bottler it can enable the defeat of Large Vehicle Bourne IED (LVBIED). It's low NEQ and water tamping enhance cutting power and reduce blast and flash effects.

Features include:

- > Low NEQ and water tamped charge.
- > Enables the defeat of LBVB IEDs
- > Enables remote observation into cargo vehicles
- > Can be deployed by an ROV or semi remotely by an EOD operator

Product Design

The Van Trepan™ has an explosive channel which is an incomplete loop which cuts round ¾ of a circle leaving most of the remaining ¼ intact to act as a hinge. When the charge is fired, the disc of metal cut-out swings on this hinge before being ripped off and this significantly slows down the metal fragment and ensures it is projected to one side. This reduces the risk of the severed disc striking the IED. and causing an inadvertant detonation.

A softer plastic 'handle' allows a remotely operated vehicle (ROV) to get a better purchase when gripping the product in its jaws for deployment. A large filling nozzle with a screw caps make it quicker and easier to fill using a squeeze bottle.

Attachment to Targets

The Van Trepan™ can be stuck to a target using Breacher's Tape™ or Hydro Tape™, both available from Alford Technologies. The tape can be affixed to the face of the charge to allow the robot to place the charge and withdraw leaving the charge in place. Magnets can also be attached to the charge if appropriate.

Working Principle

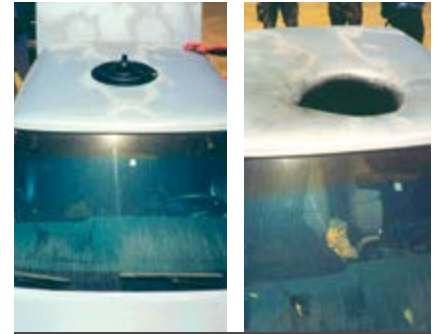
The charge case is made from a circular plastic moulding with a circular groove on the target-contact surface. This is designed to receive either one or two loops of detonating cord with a load of about 10g/metre.

For further information

Contact sales@explosives.net, telephone +44(0)1249 65 1111 or speak to your authorised Alford representative.

Specifications

| | |
|-----------------|--|
| Diameter | 300mm |
| Height | 23mm |
| Weight Empty | 400g |
| Volume of Water | 530ml |
| Total Weight | 930g |
| NEQ | 11g single loop 10g/m detcord 22g double loop 10g/m detcord |
| NSN | 1375-99-253-4558 |



Before and After



Before and After

Other products to consider:

Bottler™ – for an omni-directional water disruptor

Hydrotape™

Breacher's Tape™

Window Breaker

MLVD™ – for Vehicle-Borne IEDs (VBIED)



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