



## MiniMod™

The MiniMod™ is a lightweight, user filled, versatile Improvised Explosive Device (IED) disruptor. Using high explosives to propel a water shaped charge, this versatile disruptor is capable of defeating hard cased IEDs - such as those in pressure cookers, and concealed IEDs - such as those encased in concrete.

MiniMod can also be used as an EOD Access/Breaching Tool, for example being used for opening car boots/trunks manually or remotely.

Each charge consists of two containers, a tamper and a projectile which are fitted together with the explosive charge sandwiched between them. End-caps urge the two containers together. These end-caps also have grooves to allow multiple charges to be joined side-by-side or end-to-end allowing the size to be adjusted according to the target.

### Features include:

- > Patented technology based on the same engineering principle as the renowned BootBanger™ & MLVD™
- > Each charge weighs less than 1kg when loaded
- > Multiple applications - C-IED/breaching/access
- > Minimal fragmentation & focused explosive power

## Performance

MiniMod produces a blade-like jet of water. Since this is much wider than a point focal jet it has a higher probability of striking and destroying the initiation system of a target whose location is not precisely known.

MiniMod can be deployed by remotely-operated vehicle (ROV), carried in the jaws of the robot and positioned. Or the charge can be placed by hand and attached to the target using Breacher's Tape™ or Hydro Tape™ (depending upon the type of surface it is being stuck to). MiniMod can also be deployed on a Rover Stand™ which stabilises the charge on four legs, and allows it to be rotated allowing for the charge to be precisely directed at the target.

## Safety

No metal is used in the construction of the MiniMod so few dangerous fragments are projected. The explosive is contained by water on all sides. This arrangement provides tamping for the explosive, lowers the overpressure and causes a higher proportion of the explosive energy to be imparted to the target structure. The water also suppresses the flash of the explosive.

This method of disruption is much less dangerous and damaging in use than barrel disruptors which constitute heavy projectiles if allowed to recoil without control.

## Special Forces (SF)

MiniMod can be provided without any branding and produced in a discrete grey colour for Special Forces use.

## Specifications

The explosive load is variable, but a typical load using 10g/m detonating cord as the propellant is 20g & using 2mm sheet explosive is 40g. US Patent 6,584,908 & others.

Dimensions	300 x 85 x 60mm (13 x 3½ x 2½ in)
Weight Empty	0.18kg
Weight Full	0.8kg
Total Water Content	0.65 litres
Volume of projected water	0.2 litres
NEQ Range	50g single layer of SX2 9g for 10g/m detcord (3 strands)
Colour	Metallic silver. Also available in Special Forces Grey.



MiniMod™ positioned on a car window



MiniMod™ against a propane cylinder



Regular & Special Forces MiniMod™

## Other products to consider:

DemiMod™ - for small IEDs

QMod™ & MajorMod™ - for medium to large sized IEDs

MLVD™ - for large vehicle IEDs

Breacher's Boot™ & Mini

Breacher's Boot™ - for small to medium breaching tasks

## For further information

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



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