



DemiMod™

The DemiMod™ is a lightweight explosively-driven water disruptor for use against small to medium sized Improvised Explosive Devices (IED). Used by Bomb Technicians all over the world, the DemiMod™ shares similar form and geometry with the MiniMod™ but is half the length, making it an ideal disruptor for mounting onto a small remotely operated vehicle (ROV) or carrying down to the target by hand.

Weighing less than 0.5kg (1lb) when loaded, the charge gives the equivalent disruption to that of a Pan Disruptor or PigStick. The DemiMod™ uses patented technology to produce a blade-like jet of water using sheet explosive or detonating cord as the propellant and water as the projectile. The tool is provided empty and is loaded with explosive by the user.

Features include:

- > Perfect against small to medium sized IEDs
- > Patented technology
- > IEDD & Breaching applications
- > Very lightweight, low NEQ, powerful effect

Applications

Deployable by hand or by ROV, a single module is capable of disrupting a small wooden, plastic or metal box of up to 30 litres in volume. The DemiMod™ is effective at removing concrete cladding from suspected IEDs which include projectiles cast in concrete and it has been shown to disrupt IEDs placed inside animal carcasses which are difficult to disrupt because of their composition. With a heavy explosive load, DemiMod™ is capable of disrupting IEDs in steel fire extinguishers or barrels. The DemiMod™ can also be used in breaching as an irritant injector by placing the charge against a window or door and CS or pepper being added to the liquid within the charge.

Charge Composition

Each module consists of two containers; a tamper and a projectile, which are fitted together, sandwiching the explosive charge. Endcaps hold the elements together and allow separate modules to be joined side-by-side or end-to-end according to the size and shape of the target.

Safety

The charges have been constructed with no metal components, ensuring minimal projection of dangerous fragments. The explosive is contained by water on all sides. This arrangement provides tamping for the explosive, causing a higher proportion of the explosive energy to be imparted to the jet. The water tamping also suppresses the flash of the explosive and reduces the shockwave generated by the charge. This is much safer than the uncontrolled recoil of heavy disruptors.

Special Forces (SF)

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

For further information

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

Specifications

Dimensions	170 x 70 x 50mm (6.5 x 2.75 x 2in)
Weight Empty	0.2kg
Weight Full	0.5kg
Total Water Content	0.3 litres
Volume of Projected Water	0.1 litres
NEQ Range	Single layer of SX2 – 20g 10g/m Detcord (3 strands) – 4.5g



Regular & Special Forces DemiMod™



DemiMod™ in the Rover Stand™



DemiMod™ 3 array positioned at a target

Other products to consider:

QMod™ & MajorMod™ – for medium sized IED disruption

Breacher's Boot™ – for window or door breaching

Vulcan™ – for point-focal disruption



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