



Vulcan™

The Vulcan™ is a highly versatile user-filled shaped charge which is in wide service around the world. Used as a low-order tool, it has probably been used against a wider range of munitions than any other system, and has a virtually unrivalled success rate. It is the only tool that can reliably low-order a BLU-109 deep penetration bomb and has been used against everything from grenades to rockets and even cruise missiles. The Vulcan™ forms the backbone of the new Counter-Limpet Mine System that is in service with one of the five-eyes countries.

The Vulcan™ is a modular shaped charge which can be used for many different tasks including low-order disruption, deliberate ordnance detonation and trepanning for inspection and is suitable for both land and underwater use.

Features include:

- > Highly modular and versatile shaped charge system
- > Disintegrates on firing, no dangerous fragment projection and no recoil
- > Low NEQ & an accurate explosive effect
- > Easy to load & configure

ALFORD
WHEN YOU CAN'T AFFORD TO FAIL

The Vulcan™ Shaped Charge System can be used for multiple tasks depending upon which projectile or accessory is used. The Vulcan™ Basic Kit incorporates 10 charge bodies.

Projectiles

Copper Cone Set, Jet Forming: Produces a jet which may be used to pierce holes through about 75mm (3in), mild steel or thicker concrete or brickwork, or to cause the detonation or deflagration of steel-cased ammunition. NEQ 20g-50g. 10 cones per pack. NATO Stock No. (NSN): W8 1385-99-285-4051.

Copper EFP Set: Generates an explosively-formed projectile (EFP) which may be used to penetrate robust targets at much great ranges than the jet-forming cone. Enables Vulcan™ to be used as a de-armor and disruptor device. NEQ 20g-50g. 10 EFPs per set. NATO Stock No. (NSN): W8 1385-99-131-4488.

Magnesium Cone Set, Jet forming: Less penetrating than a copper cone, but still easily able to penetrate even thick-walled shells or bombs and ignite the explosive or pyrotechnic filling. NEQ 30g-50g. 10 per pack. NATO Stock No. (NSN): W8 1385-99-925-0172.

Magnesium EFP Set: Generates an explosively-formed projectile (EFP) which may be used to form large (20mm diameter) holes in 5mm thick steel targets from at least 2500mm stand-off. NEQ 20-50g. 10 per pack. NATO Stock No. (NSN): W8 1385-99-147-5891.

Aluminium EFP Set: Delivers a powerful blow to remove shell fuses and bomb pistols or jam their mechanisms. Provides a low-cost disposal alternative to de-armers that use heavy steel barrels. NEQ 15-50g. 10 per pack. NATO Stock No. (NSN): W8 1385-99-837-0017.

Liquid Projectile Set: A pair of plastic cones shapes a water projectile which penetrates steel-cased munitions with thickness of up to 10mm. NEQ 10g-30g. 10 per pack. NATO Stock No. (NSN): W8 1385-99-131-4430.

Vulcan Projectile Combo Set: A combination set containing two of each Vulcan™ projectile including copper, magnesium, aluminium and liquid projectiles. NATO Stock No. (NSN): W8 1385-99-447-3037.

Accessories

Nozzle Set™

Underwater Stand-off Capsule™

Trepanning Attachment Set™

Flash Suppressing Water Jacket Set™

For further information

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

Specifications

NEQ	Min. 10g Plastic Explosive (PE) Max. 50g Plastic Explosive (PE)
NSN	1385-99-833-2491



Before and After



Vulcan™ Basic Kit



A successful Low-Order

Other products to consider:

Humanitarian Demining
Vulcan™ – for NGOs & demining organisations

Vulcan™ Counter-Limpet Mine System – for maritime EOD tasks

QMod™ & MajorMod™ – for a medium sized water-tamped disruptor



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