



## Pluton™

Pluton™ is a user-filled shaped charge system. More powerful and of larger diameter than the Vulcan™ System. Pluton™ can have a variable NEQ from 50g to 300g depending upon the required effect. Renowned for its versatility, Pluton™ is a multi-role tool that can be used for:

- the low-order destruction of conventional munitions,
- the extraction and destruction of buried IED main charges,
- with the addition of a component it can also be used under water against Explosive Remnants of War (ERW).

The charge body can be loaded with a range of projectiles including a Magnesium Cone or a Copper EFP or jet-forming cone, or a liquid projectile, depending upon the target. The maritime version of the Pluton™, (the Pluton™ Maritime EOD Kit) is in service with a Navy

### Features include:

- > Multiple applications - disruption, deflagration, mine clearance, decommissioning
- > Variable explosive load & highly modular
- > Powerful effect for a low NEQ
- > Accommodates several projectile types

## Pluton™ – Kit Contents

The Pluton™ Basic Kit comes with three charge bodies and three aluminium legs per charge which can be angled for better positioning the target. A stemming tool is included for loading the explosive into the body of the charge. Projectiles must be purchased separately.

## Projectiles

Magnesium Cone Set, Jet Forming: Less penetrating than a copper cone but capable of penetrating even thickest walled shells or bombs and igniting the explosive or pyrotechnic fill. Much less likely to cause 'high-order' detonation than copper cones, and used for low-order deflagration.

Magnesium Cone Set, Jet Forming, High Performance: For slightly higher performance than the regular Jet Forming cone. Less penetrating than a copper cone. Used to penetrate even thick-walled shells or bombs and ignite the explosive or pyrotechnic filling. Less likely to cause 'high-order' detonation, and used for low-order deflagration.

Copper Jet Forming Cone Set: Produces a jet which may be used to pierce holes through steel or thick concrete or brickwork, or to cause the detonation or deflagration of steel-cased ammunition.

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 Pluton™ to be used as a de-armer and disruptor device.

Liquid Projectile Set: A pair of thin-walled plastic cones with water between them constitutes a composite projectile which penetrates steel-cased munitions. Used to eject fuses and disperse munition contents with minimal risk of detonation.

## Accessories

Pluton Underwater Stand-off Capsule Set™

Pluton™ – Accessory Pack 2Pluton™ – Magnet Pad Set

Pluton™ 45 Degree Weapon Stand Set

## For further information

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

## Specifications

Weight Empty	0.16kg
Weight Loaded	0.415-0.465kg
Height	173mm
Diameter	81.25mm
NEQ	250-300g Plastic Explosive (PE)



Pluton™ Basic Kit Contents



Placing a Pluton™ Charge



Range of Projectiles

## Other products to consider:

Vulcan™ System – for a smaller shaped charge

Magma™ System - for a larger sized shaped charge

Krakatoa™ Basic Kit – for use with alternative shaped charges



[www.explosives.net](http://www.explosives.net)  
T +44(0)1249 65 1111

E [info@explosives.net](mailto:info@explosives.net)  
F +44(0)1249 65 6444

Alford House, Epsom Square, White Horse Business Park, Trowbridge,  
BA14 0XG, United Kingdom



Certificate Number 8111  
001/001, 002/001, 003/001