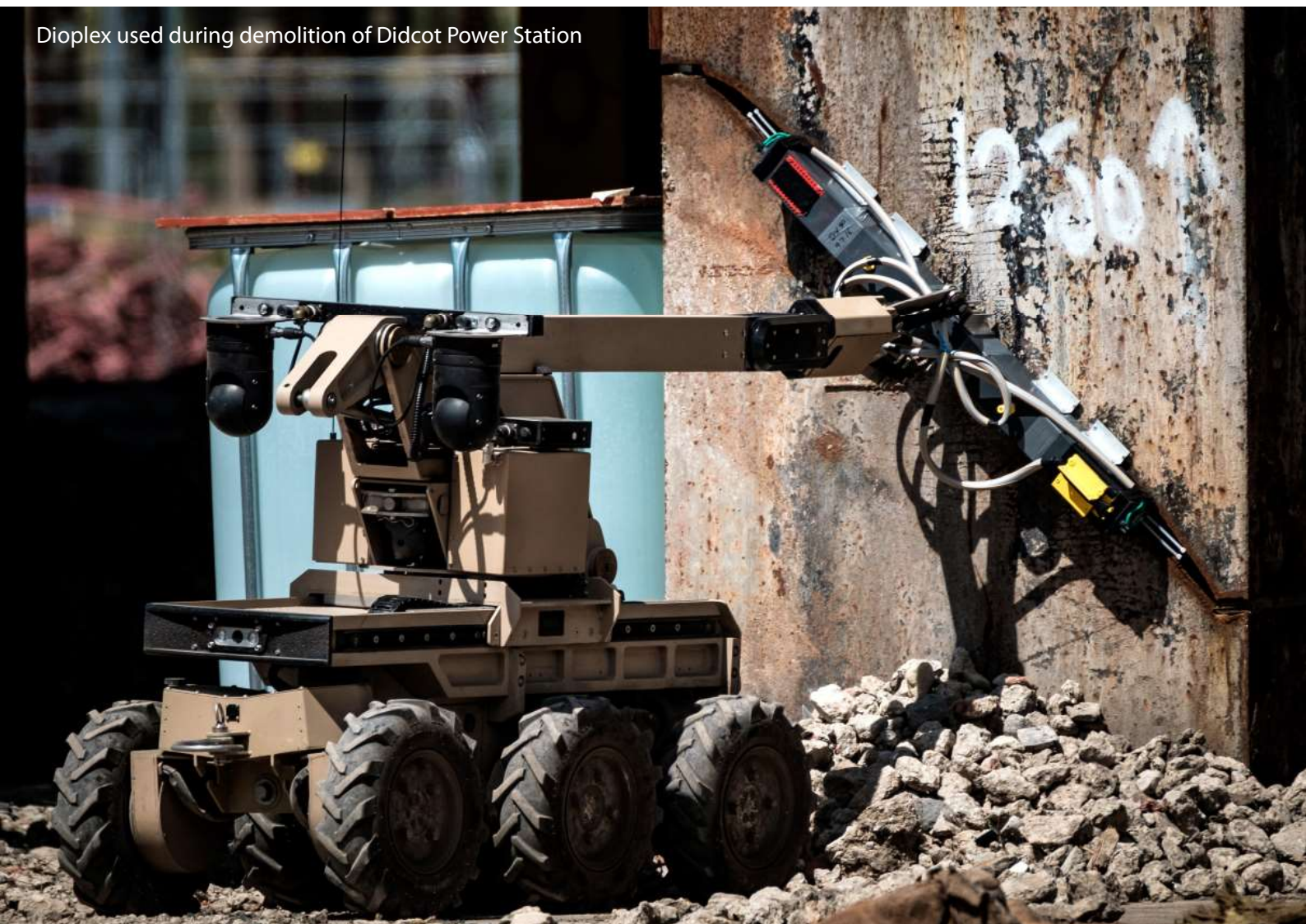


Dioplex used during demolition of Didcot Power Station



USER-FILLED EXPLOSIVE CHARGE CONTAINERS & DISRUPTOR TOOLS

Product Catalogue

2017 Issue 1

ALFORD
WHEN YOU CAN'T AFFORD TO FAIL

INDEX

Introduction.....	page 4
C-IED / IEDD.....	page 5
Vehicle-Borne IED Disruptors.....	page 5
Package / Parcel Bomb Disruptors.....	page 5
Omni-Directional Disruptors.....	page 7
Conventional Munitions Disposal (CMD) / Shaped Charges.....	page 9
Vulcan™ System.....	page 9
Vulcan™ Projectiles and Accessories.....	page 9 - 10
Humanitarian Demining Vulcan™ (HDV™).....	page 10
Vulcan Counter-Limpet Mine System™ (VCLMS™).....	page 11 - 12
Pluton™ System.....	page 13
Pluton™ Projectiles and Accessories.....	page 14
Magma™	page 14
Krakatoa™.....	page 15
Krakatoa™ Projectiles and Accessories.....	page 15
Vesuvius™ System.....	page 15
Breaching / Explosive Method of Entry (EMoE).....	page 16
Gatecrasher™ Mk4.....	page 16
Gatecrasher™ Modular - Type 1 & 2.....	page 16
Breacher's Boot™ & Mini Breacher's Boot™.....	page 17
Alford Strip™.....	page 17
Demolition / Steel Cutting Charges.....	page 18
Bar & Cable Cutting.....	page 18
Linear Cutting Charges.....	page 18
Bangalore Blade - Pre-filled charge.....	page 19
Explosive Capability Kits.....	page 20
Improvised Explosive Device Disposal (IEDD) Kit.....	page 20
Breaching Kit.....	page 20
Conventional Munitions Disposal (CMD) Kit.....	page 21
Maritime Kit.....	page 21
Explosive Dems Shaped Charge and Steel Cutting Kit	page 22
Adhesive Tapes.....	page 22
Accessories.....	page 23



ALFORD TECHNOLOGIES Ltd.

Alford Technologies - winner of the Business Innovation Category at the 2017 Construction News Specialists Awards.

Alford Technologies has won the prestigious award on the strength of innovative remote demolitions techniques used at Didcot Power Station. Alford were brought in to carry out the blowdown of the remaining structure of the boiler house that had earlier collapsed with the loss of four lives.

The firm's experience in explosives engineering allowed it to develop an original solution that would enable a structure to be surveyed, demolition charges to be placed and the blowdown initiated entirely using remote operated vehicles (ROVs).

Alford Technologies is now joining with Arcadis and AR Demolition to launch a new entrant into the UK's power station demolition market.

The collaboration, named Atom, would use the expertise of Alford and AR Demolitions to carry out specialised demolition elements required with the decommissioning of power stations and other demolition projects.

Traditional demolition techniques employ cuts to structural supports made by hand, followed by explosive charges to push the supports in a particular direction. In the event of a failure to reduce the structure supports adequately, standard industry practice usually requires a person to enter a structure to inspect and replace explosive charges for a second attempt at blow down.

Alford's new methods will provide a safer option in this area of explosive demolition by using patented explosives charges, laser scanning, surveys and explosives modelling, and with use of remotely operated vehicles to demolish large structures.



The judges comments on why they awarded Alford Technologies as winner:

"Alford Technologies demonstrated a very impressive approach to innovation. They encompassed technology transfer ideas including the invention of a unique magnetic bunch connector. The project comprised a sensitive demolition solution under the scrutiny of many stakeholders, who initially considered the task impossible. An inspiring example of what the construction industry can achieve at its best."



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ALFORD
 WHEN YOU CAN'T AFFORD TO FAIL

INTRODUCTION

INNOVATIVE EXPLOSIVE TOOLS

Alford Technologies is the global market leader for innovative explosive charge containers and disruptor tools. Founded by Dr. Sidney Alford in 1985, the company now called Alford Technologies has been at the forefront of water-disruption techniques since the 1970s when Dr. Alford invented the world's first liquid-lined explosive disruptor. Alford explosive tools are now some of the most highly regarded tools in the industry.

WORLDWIDE COVERAGE

Alford products are fielded throughout the globe in operational theatres by the military, and in peace-time operations by major humanitarian demining organisations, and are widely used to support domestic security programmes. The range of versatile charge containers and disruptors includes products chosen by the Counter-Improvised Explosive Device (C-IED) / Improvised Explosive Device Disposal (IEDD), Breaching / Explosive Method of Entry (EMoE), Conventional Munitions Disposal (CMD) and Explosive Demolition communities from around the world.

SUPERIOR EXPERTISE

Alford couples a wealth of knowledge with unrivalled scientific and engineering expertise, which delivers supremely precise and efficient explosive products. Not only are the products optimised for performance, they are extremely affordable. Spanning a wide range of applications, Alford explosive tools deliver omni-directional, linear and point-focal disruptive effects suitable for most explosive cutting tasks.



C-IED/IEDD



BREACHING / EMoE



**CONVENTIONAL
MUNITIONS DISPOSAL (CMD)**



**COMMERCIAL
DEMOLITION**

Alford Counter-Improvised Explosive Device (C-IED) / Improvised Explosive Device Disposal (IEDD) tools are recognised as some of the best in the world. Renowned for delivering explosive accuracy for a minimal net explosive quantity (NEQ), the Alford range of charges offer superb performance. Used by Military and EOD professionals across the globe.

VEHICLE-BORNE IED DISRUPTORS BootBanger™

BootBanger™ is a powerful water disruptor for use against vehicle-borne IEDs (VBIEDs) which are typically in the boot/trunk of the vehicle. Using patented technology, BootBanger™ projects a jet of water which penetrates and ejects the contents of the boot/trunk. Component parts of a device are disrupted and separated by the jet without initiation.

Contents:	1 product
NSN:	1385-99-503-3673
Part No.:	BB4001
Dimensions:	460 x 340 x 110mm
Weight Full:	16kg
Total Water:	13.8 litres
NEQ:	250g (8.8 oz) single layer of 10g/m detcord 225g (8 oz) of sheet explosive 450g (16 oz) C2 675g (24 oz) SX2



MLVD™

MLVD™ is a powerful modular water disruptor used against vehicle-borne IEDs which are typically in the load carrying area of the vehicle. Using patented technology, the MLVD™ projects a jet of water which penetrates the vehicle and expels its contents without causing detonation. Modularity allows the charges to be configured in multiples dependent upon target size.

Contents:	1 set of 3 charges
NSN:	1375-99-315-0156
Part No.:	ML2001
Dimensions (per charge):	565 x 150 x 120mm
Weight Full:	5.5kg
Total Water:	4 litres
NEQ:	145-720g per module

MLVD™ Deployment Stand

A trolley stand on wheels for delivering the MLVD™ charges. Can be deployed by a remotely operated vehicle (ROV).

Contents:	1 per pack
NSN:	1385-99-820-6759
Part No.:	MS2001

MLVD™ Connecting Strips

Wooden strips for connecting the MLVD™ charges.

Contents:	5 per pack
Part No.:	MS2302



PACKAGE / PARCEL BOMB DISRUPTORS DemiMod™

DemiMod™ is a lightweight water disruptor for use against small to medium sized IEDs. Sharing the same patented geometry as the MiniMod™ but half the length, DemiMod™ has a more cutting and penetrating projectile than the QMod™ or MajorMod™. DemiMod™ can be mounted on an ROV or manually deployed and provides disruption equivalent to that of barrelled water disruptors. Weighs 0.5kg when loaded.

Contents:	3 charges per pack (incl. filler cap)
NSN:	1375-99-880-3695
Part No.:	DM1001
Dimensions:	170 x 70 x 50mm
Weight Empty:	0.2kg
Weight Full:	0.5kg
Total Water:	0.3 litres
NEQ:	20g Single layer of SX2 4.5g for 10g/m Detcord (3 strands)

DemiMod™ Special Forces (SF)

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

Contents:	4 charges per pack (incl. filler cap)
NSN:	1385-99-159-9324
Part No.:	DM1002



MiniMod™

MiniMod™ is a lightweight water disruptor for use against small to medium sized IEDs. Shares the same patented design as the renowned MLVD™ and DemiMod™. MiniMod™ has a more cutting and penetrating projectile than the QMod™ or MajorMod™, it can be deployed on an ROV but is light enough to be deployed manually. Weighs less than 1kg when loaded.

Contents:	3 charges per pack (incl. filler cap)
NSN:	1375-99-551-5882
Part No.:	MM2001
Dimensions:	300 x 85 x 60mm
Weight Empty:	0.18kg
Weight Full:	0.8kg
NEQ:	50g single layer of SX2 9g for 10g/m detcord (3 strands)

**MiniMod™ Special Forces (SF)**

MiniMod™ without any branding is produced in a discrete grey colour.

Contents:	4 charges per pack (incl. filler cap)
NSN:	1375-99-476-6328
Part No.:	MM2002

**QMod™**

QMod™ is a medium sized explosively driven water disruptor for use against medium sized IEDs such as fire extinguishers, gas cylinders or for direct attack through car doors. Sharing the same geometry as the MLVD™, the QMod™ is a quarter of the length making it easily deployable while packing a powerful punch. The projectile is more blunt than the DemiMod™ or MiniMod™ good for punching and crushing larger targets. QMod™ can also be used as an alternative charge for breaching steel doors.

Contents:	1 product
NSN:	1375-99-488-8038
Part No.:	QM1001
Dimensions:	160 x 135 x 100mm
Weight Empty:	0.3kg
Weight Full:	1.9kg
Total Water:	1.6 litres
NEQ Range:	95g single layer of SX2 (C3 equivalent) 35g for 10g/m detonating cord (27 strands)

**QMod™ Special Forces (SF)**

QMod™ without any branding and produced in a discrete grey colour for Special Forces use.

Contents:	1 product
NSN:	1375-99-974-3047
Part No.:	QM1002

**ACCESSORIES****Rover Stand™**

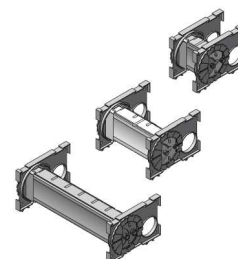
Is a two piece stand for the DemiMod™ and MiniMod™ which gives the charge four stable legs. The stand can be rotated 360 degrees to assist with positioning against the target. Breaching Tape™ or HydroTape™ can be affixed to the feet to support firm placement.

Contents:	4 stands per pack
NSN:	1375-99-173-1227
Part No.:	MM4918

**Rex Stand™**

A larger stand for use with the larger mod charges (QMod™, MajorMod™, MLVD™). The stand can be rotated 360 degrees to assist with positioning against the target.

Contents:	1 stand per pack
Part No.:	MM3901



MajorMod™

MajorMod™ is a medium sized explosively driven water disruptor for use against medium sized IEDs such as fire extinguishers or gas cylinders. It is based upon geometry similar to that of the MLVD™ and QMod™. MajorMod™ can be used as a large water-impulse charge for breaching heavy steel doors.

Contents: 1 product
 NSN: 1375-99-134-8606
 Part No.: MJ1001
 Dimensions: 320 x 135 x 100mm
 Weight Empty: 0.45kg
 Weight Full: 4kg
 NEQ Range: 230g single layer of SX2 (C3 equivalent)
 70g for 10g/m detonating cord (27 strands)

**MajorMod™ Special Forces (SF)**

MajorMod™ without any branding is produced in a discrete grey colour.

Contents: 1 product
 NSN: 1375-99-151-6381
 Part No.: MJ1002

Mod Family Tripod Mount Set

Fits to all Mod charges, this mount set utilises a universal camera thread which allows a tripod to be mounted to the product for improved positioning with respect to the target.

Contents: 5 per pack
 NSN: 1375-99-729-9647
 Part No.: CP1901

**OMNI-DIRECTIONAL DISRUPTORS
Bottler™**

For use against small to medium sized IEDs. The Bottler™ family of omni-directional charges is available in three sizes: 0.25 litre, 0.5 litre and 1 litre. Predominantly used for bursting open vehicles or other containers and disrupting the contents, or for disruption of suspect objects such as bags or suitcases when there is no need for accurate aim. Available in a small charge size: see Bottler Lite™ for details.

Product	Contents per pack	Part No.	NSN	Dimension	NEQ
0.25 litre	1	BO2003	1385-99-402-2147	Height 125mm Diameter 60mm	20-110g (0.7-4 oz) PE
0.5 litre	1	BO2002	1385-99-134-8651	Height 150mm Diameter 80mm	20-140g (0.7-5 oz) PE
1 litre	1	BO2001	1385-99-571-3276	Height 200mm Diameter 100mm	20-200g (0.7-7 oz) PE



Bottler Lite™

Bottler Lite™ carries less explosive than the standard Bottler to provide a more controlled disruption with less collateral damage. This patented omni-directional charge is available in three sizes: 0.25 litre, 0.5 litre and 1 litre, and each comes with three different explosive cartridges to give a range of power. Predominantly used for disruption of suspect objects such as bags or suitcases.

Product	Contents per pack	Part No.	NSN	Dimension	NEQ
Bottler Lite 0.25 litre	1	BL1003	1375-99-727-3793	Height 125mm Diameter 60mm	10g, 20g, 40g
Bottler Lite 0.5 litre	1	BL1002	1375-99-553-7923	Height 150mm Diameter 80mm	10g, 20g, 40g
Bottler Lite 1 litre	1	BL1001	1385-99-494-2310	Height 200mm Diameter 100mm	10g, 20g, 40g

**VEHICLE ACCESS****Van Trepan™**

Van Trepan™ is an access charge, used to gain access to the inside of a vehicle explosively in order to examine the interior and deliver a second disruptor. It can be deployed on a remotely operated vehicle or manually.

Contents: 1 product
NSN: 1375-99-253-4558
Part No.: VT3001
NEQ: 11-22g (10g/m, 50 grains/foot) detcord

**WindowBreaker™**

WindowBreaker™ is a single shot explosive window breaker designed for gaining access to vehicles while causing minimal shock or vibration to the vehicle.

Contents: 5 per pack
NSN: 1385-99-968-8325
Part No.: WB1005
Dimensions: 150 x 30mm
Weight Full: 50g
NEQ: 1g (single detonator)

**FireBreak™**

FireBreak™ is a low cost, disposable, explosively driven cutter, typically used for cutting command wires with minimal collateral damage. Firebreak comes in two versions: a standard cutter using metal or ceramic blades, or an underwater version using a ceramic blade only.

Contents: 5 per pack
NSN: 1375-99-993-1363 (Metal Blade Version)
Part No.: FB1901
Dimensions: 122mm length x 25mm width
Weight Full: 20g
NEQ: 1g (Single detonator) / Sound Unit



Vulcan System™

The smallest of the Alford shaped charges, the patented Vulcan™, is a highly versatile, user-filled, modular 30mm diameter shaped charge system which is in service around the world. Used as a tool for producing low-order disruption of target munitions, it has an almost 100% success rate - certainly more than any other competing system - therefore giving confidence to operators in urban or vulnerable places. The Vulcan™ is small, lightweight and requires a very low NEQ for the performance it delivers.

Vulcan™ Basic Kit

The Vulcan™ Basic Kit provides 10 charges per pack which can support an EOD Team for multiple tasks or missions. A variety of projectile is available. Projectiles must be purchased separately.

Contents: 10 charges per pack
(incl. 30 aluminium
legs & loading kit)
NSN: 1385-99-833-2491
Part No.: VU0001

Dimensions: 30mm diameter
Weight Loaded: 0.07-0.11kg per charge
NEQ: Min. 10g Plastic Explosive (PE)
Max. 50g Plastic Explosive (PE)



Vulcan™ Projectiles

Copper Cone Set, Jet-Forming

This cone produces a jet used to pierce holes through approx. 75mm (3in) mild steel or correspondingly thicker concrete or brickwork, or to cause detonation or deflagration of steel-cased munitions.

Contents: 10 cones per pack
NSN: 1385-99-285-4051
Part No.: VU0012
NEQ: 20g-50g



Magnesium EFP Set

This cone 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. It ignites as it forms it may be used to ignite the explosive or composition in the target.

Contents: 10 per pack
NSN: 1385-99-147-5891
Part No.: VU0042
NEQ: 20g-50g



Copper EFP Set

This cone generates an explosively-formed projectile (EFP) which may be used to penetrate robust targets at much greater ranges than the jet-forming cone. Enables Vulcan™ to be used as a de-armor and disruptor device. Punctures 10mm thick steel at a range of at least 1500mm.

Contents: 10 EFPs per set
NSN: 1385-99-131-4488
Part No.: VU0022
NEQ: 20g-50g



Aluminium EFP Set

This cone delivers a powerful blow to remove fuses and bomb pistols or jam their mechanisms. Provides a low-cost disposal alternative to de-armers that use heavy steel barrels.

Contents: 10 per pack
NSN: 1385-99-837-0017
Part No.: VU0052
NEQ: 15g-50g



Magnesium Cone Set, Jet-Forming

This cone is less penetrating than copper but capable of penetrating even the thickest walled projectiles or bombs and igniting the explosive or pyrotechnic fill. It has a low probability of causing a 'high-order' detonation, and is used for low-order deflagration.

Contents: 10 per pack
NSN: 1385-99-925-0172
Part No.: VU0032
NEQ: 20g-50g



Liquid Projectile Set

Comprises a pair of thin-walled plastic cones with water between them and constitutes a composite projectile which penetrates steel-cased munitions with wall thickness of up to 10mm. Used to eject fuses and disperse charge contents with minimal risk of detonation.

Contents: 10 per pack
NSN: 1385-99-131-4430
Part No.: VU0082
NEQ: 10g-30g



Vulcan™ Projectile Combo Set

This product is a combination set of projectiles containing two of each Vulcan™ projectile including copper, magnesium, aluminium and liquid projectiles.

Contents: 2 Copper Cone Jet Forming,
2 Copper EFPs, 2 Magnesium
Cone Jet Forming,
2 Magnesium EFPs, 2 Aluminium
EFPs, 2 Liquid Projectiles
NSN: 1385-99-447-3037
Part No.: VU0093



Vulcan™ Accessories

Nozzle Set™

Used to provide stand-off distance from a target and to assist with aiming with pinpoint accuracy, reducing risk of stray projectile fragments. Includes integral sights.

Contents: 10 nozzles (incl. 10 sights)
NSN: 1385-99-225-7926
Part No.: VU0004



Underwater Stand-off Capsule Set™

In order to use Vulcan™ underwater, a stand-off capsule must be attached to the front of the Vulcan™ creating an air-filled space into which the projectile can be formed before it strikes the target.

Contents: 10 per pack
NSN: 1386-99-724-1710
Part No.: VU0018



Trepanning Attachment Set™

This attaches to the Vulcan™ to enable a large diameter hole to be cut from the munitions. Allows for inspection, flooding or venting (hole size approx. 37mm diameter).

Contents: 10 per pack
NSN: 1385-99-383-2166
Part No.: VU0005



Vulcan™ Loading Kit

This provides all the tools required for measuring explosive and loading it into the charge.

Contents: Stemming rod, loading
plate, measuring ring
& mandrel
NSN: 1385-99-314-3114
Part No.: VU0006



Flash Suppressing Water Jacket Set™

This may be used in environments where fragmentation and flash created by the detonation need to be suppressed e.g in urban or inflammable environments. Provides an approx. 90% reduction in flash.

Contents: 10 per pack
NSN: 1385-99-497-2299
Part No.: VU0003



Humanitarian Demining Vulcan™ (HDV™)

Based on the design of the Vulcan™, the Humanitarian Demining Vulcan™ (HDV™) is a 30mm diameter charge which offers similar performance and has been developed specifically for Non-Governmental Organisations (NGO). HDV™ is essentially a simplified version of the Vulcan™ designed to provide basic capabilities at reduced cost while retaining the same explosive geometry to give identical performance characteristics. The magnesium jet-forming cone provides a high success rate for low order deflagration.

Contents: 10 charges per pack (incl. 40 aluminium legs & a loading kit)
Part No.: HV1901
NEQ: Min: 20g Plastic Explosive (PE)
Max: 50g Plastic Explosive (PE)



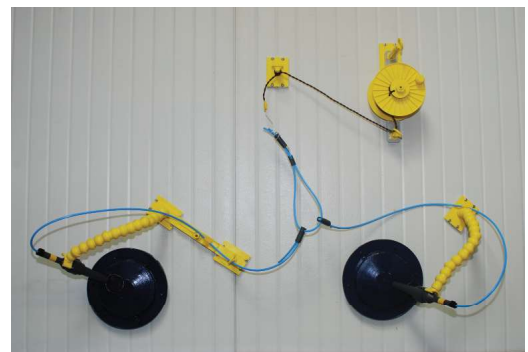
Vulcan Counter-Limpet Mine System™ (VCLMS™)

Based on the renowned Vulcan™, the VCLMS™ is a user-filled modular shaped charge system used against underwater threats including unexploded ordnance. VCLMS™ can be used stand-alone or linked together with detonating cord. Provided as a comprehensive kit which includes all accessory packs, or can be purchased as a VCLMS™ Tool Roll Set.

Vulcan Counter-Limpet Mine System™ (VCLMS™) – Complete System

The complete system provides enough equipment to support an EOD Team for multiple missions. It includes 5 VCLMS™ Tool Roll Sets & multiple quantities of all accessory packs. It provides the basic kit for an EOD Team dealing with underwater threats and can be replenished as stocks are consumed. It is provided in a high-quality robust transit case. Replacement charges can be purchased as they are consumed, see VCLMS™ Charge & Stand Assembly, Part No. VS1021.

Contents: 5 VCLMS™ Tool Roll Sets, 1 VCLMS™ Cable Reel Set, 1 VCLMS™ Accessory Pack 2, 1 VCLMS™ Accessory Pack 3, 1 VCLMS™ Accessory Pack 4, Supporting Manuals & 1 transit case
NSN: 1386-99-341-4411
Part No.: VS1103



Vulcan Counter-Limpet Mine System™ (VCLMS™) – Tool Roll Set

The VCLMS™ Tool Roll Set is the same compact and comprehensive set of equipment found in the VCLMS™ Complete System which can be hand-carried and used in the field. It can be augmented using the accessory kits. Replacement charges can be purchased as they are consumed: see VCLMS™ Charge & Stand Assembly, Part No. VS1021.

Contents: 4 charges per pack (incl. 4 magnet sets, 2 Vulcan™ Projectile Combo Sets, 1 loading kit, 1 pack of Mini Detcord Clips, 1 pack PDAs, 1 tool roll and 1 marker pen)
NSN: 1386-99-334-5513
Part No.: VS1020



Vulcan Counter-Limpet Mine™ (VCLMS™) Accessories

Vulcan Counter-Limpet Mine System™ (VCLMS™) – Cable Reel Set

The VCLMS™ Cable Reel Set is an accessory to the VCLMS™ Complete System or the VCLMS™ Tool Roll Set and provides a lightweight cable reel system designed for use with a remote firing system or Shock Tube.

Contents: 2 Cable Reels (incl. 2 Underwater Weapon Stands, 2 Threaded Eye Bolts & Nylon Pouch)
 NSN: 8130-99-681-6001
 Part No.: CR1012



Vulcan Counter-Limpet Mine System™ (VCLMS™) – Charge & Stand Assembly

This consists of 1 VCLMS™ charge and stand supplied in its own pouch and can be attached to the Tool Roll Set with Velcro. It can be purchased to restock the VCLMS™ Tool Roll or VCLMS™ Complete System. (Requires VCLMS™ Accessory Pack 1).

Contents: 1 Charge (incl. 1 Underwater Weapon Stands, 2 Threaded Eye Bolts, 3 Aluminium Legs & Nylon Pouch)
 NSN: 1386-99-585-8903
 Part No.: VS1021



Vulcan Counter-Limpet Mine System™ (VCLMS™) – Accessory Pack 1 - Projectiles & Loading Tools

This is used in conjunction with the VCLMS™ System or VCLMS™ Tool Roll Set. Provides a full set of projectiles for the VCLMS™ System, Loading equipment, Detcord Clips, Plain Detonator Adaptors (PDA) and a marker pen.

Contents: 4 Magnesium Jet Forming Cones, 4 Magnesium EFPs, 4 Copper Jet Forming Cones, 4 Copper EFPs, 4 Aluminium EFPs, 4 Liquid Projectiles, 1 pack of Detcord Clips, 1 pack of PDAs, 1 Loading Kit, 1 marker pen & 1 nylon pouch.
 NSN: 1386-99-668-0069
 Part No.: VS1018



Vulcan Counter-Limpet Mine System™ (VCLMS™) – Accessory Pack 2 - Stand Fittings

This is used in conjunction with the VCLMS™ System or VCLMS™ Tool Roll Set. Provides Spare Extension Tubes, Eye Bolts, Bolts & Nuts to allow the stand system to be reconfigured or to replace components.

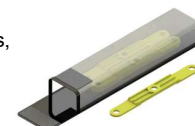
Contents: 4 Threaded Extension Tubes, 4 Threaded Eye Bolts, 4 Hexagonal Nuts, 1 nylon pouch.
 NSN: 1386-99-668-0071
 Part No.: VS1019



Vulcan Counter-Limpet Mine System™ (VCLMS™) – Accessory Pack 3 - Stand Spares

This is used in conjunction with the VCLMS™ System or VCLMS™ Tool Roll Set. Provides spare Main Section Arms, used to reconfigure the Weapon Stand by adding magnetic pads or screw attachments.

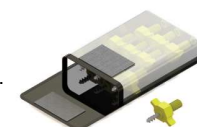
Contents: 5 Main Section Arms & 1 nylon pouch
 NSN: 1386-99-245-9270
 Part No.: VS1022



Vulcan Counter-Limpet Mine System™ (VCLMS™) – Accessory Pack 4 - Screws

This is used in conjunction with the VCLMS™ System or VCLMS™ Tool Roll Set. Provides Screw Attachments to enable the VCLMS™ to be attached to non-ferrous structures such as wooden jetties or anechoic tile clad submarines.

Contents: 10 Screw Attachments & 1 nylon pouch
 NSN: 1386-99-386-9102
 Part No.: VS1023



Magnet Pad Set

This is used in conjunction with the VCLMS™ System or VCLMS™ Tool Roll Set. Provides additional Magnetic Pads which can be used to reconfigure the stand, or can be used as target markers or to secure firing cable close to the ship's hull. Provided in a nylon pouch which can be fitted into the VCLMS™ Tool Roll Set.

Contents: 5 Magnet Pad Assembly, 5 Threaded Eye Bolts, 5 Hexagonal Nuts & 1 nylon pouch.
 NSN: 1386-99-987-6027
 Part No.: VS1005



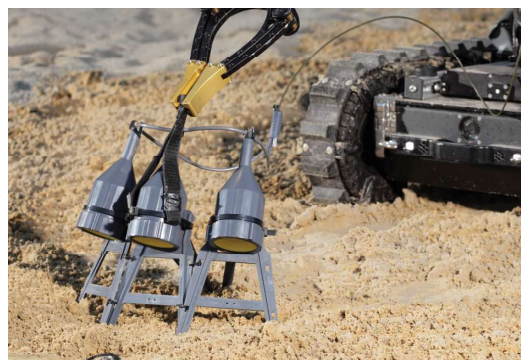
Pluton™ System

The Pluton™ System is a 65mm user-filled shaped charge system, larger than the Vulcan™ System, and is designed to support EOD operations. The charge can be used against unexploded ordnance and conventional munitions. The Pluton™ Basic Kit provides a comprehensive kit which can be augmented with capsules and five types of projectile.

Pluton™ Basic Kit

The Pluton™ Basic Kit provides a comprehensive kit for an EOD Team to enable them to undertake numerous tasks. It provides 3 charges and the ability to load the charge with varying loads of explosive.

Contents: 3 charges per kit (incl. 3 Split Screw Adaptors, 12 Spacer Rings, 3 Compression Rings, 9 Aluminium legs.
NSN: 1385-99-310-1032
Part No.: PL2906
NEQ: Min: 50g Plastic Explosive (PE)
Max: 300g Plastic Explosive (PE)



Pluton Maritime EOD Kit™ (PLMEOD™)

The PLMEOD Kit™ which is provided in a robust transit case, will equip a maritime or underwater EOD Team with all the tools needed to perform multiple EOD tasks. It contains 3 Pluton Tool Roll Sets which each contain 3 complete charge systems with projectiles, along with supporting ancillary items to assist in positioning and attachment to the target. Replacement charges can be purchased as they are consumed, see Pluton™ Charge & Stand Assembly PL2904. Common parts make this ideal to use in conjunction with the VCLMS™.

Contents: 9 Charges, 9 Underwater Stand-off Capsules, 9 Modular Weapon Stands, 9 Copper Jet Forming Cones, 9 Magnesium Jet Forming Cones, Loading Tools, Aluminium Legs, 3 nylon pouches & 1 transit case
Part No.: PL2902
NSN: 1385-99-668-7497



Pluton™ Tool Roll Set

The Pluton™ Tool Roll Set is the same compact and comprehensive set of equipment as found in the PLMEOD KIT™ used for EOD tasks and can be hand-carried and used in the field. Replacement charges can be purchased as they are consumed, see Pluton™ Charge & Stand Assembly PL2904. It can be augmented using the accessory kits.

Contents: 3 Charges, 3 Underwater Capsules, 6 Modular Weapon Stands incl. bolts, 3 Copper Jet Forming Cones, 3 Magnesium Jet Forming Cones, 1 Loading Kit, Aluminium Legs, 1 pack of PDAs & 1 nylon pouch
Part No.: PL2903
NSN: 1385-99-297-9375



Pluton™ Maritime EOD - Charge & Stand Assembly

This provides 1 Pluton™ charge and stand supplied in a pouch which attaches to the Tool Roll Set with Velcro. It can be purchased to restock the Pluton™ Tool Roll or Pluton™ EOD Kit (PLMEOD™). Projectiles purchased separately.

Contents: 1 Charge, 1 Underwater Stand-off Capsule, 1 Modular Weapon Stand & bolts, Aluminium Legs & 1 nylon pouch
Part No.: PL2904
NSN: 1375-99-851-2189



Pluton™ Projectiles

Copper Jet-Forming Cone Set

This cone produces a jet which may be used to pierce holes through steel, thick concrete or brickwork, or to cause the detonation or deflagration of steel-cased ammunition.

Contents: 3 cones per pack with sabots
NSN: 1385-99-837-6720
Part No.: PL2901



Copper EFP Set

This projectile generates an explosively-formed projectile (EFP) which may be used to penetrate robust targets at much greater ranges than the jet-forming cone. This enables Pluton™ to be used as a de-armor and disruptor device.

Contents: 3 EFPs per pack
NSN: 1385-99-255-6759
Part No.: PL2015



Magnesium Jet-Forming High Performance Cone Set

A high performance Magnesium Jet Forming cone. Less penetrating than a copper cone. Used to penetrate top cover to attack buried IEDs or for low-order deflagration.

Contents: 3 cones per pack
NSN: 1385-99-410-5245
Part No.: PL2013



Magnesium Jet-Forming High Performance Cone Set

A high performance Magnesium Jet Forming cone. Less penetrating than a copper cone but used to penetrate top cover to attack buried IEDs or for low-order deflagration.

Contents: 3 cones per pack
NSN: 1385-99-410-5245
Part No.: PL2013



Pluton™ Accessories

Magnet Pad Set

This is used in conjunction with the PLMEOD Kit™ or Pluton™ Tool Roll Set. This set provides additional Magnetic Pads which can be used to reconfigure the stand, or can be used as target markers or to secure firing cable close to the ship's hull. Provided in a nylon pouch which can be fitted into the Pluton™ Tool Roll Set.

Contents: 5 Magnet Pad Assembly, 5 Threaded Eye Bolts, 5 Hexagonal Nuts & 1 nylon pouch.
NSN: 1386-99-987-6027
Part No.: VS1005



Pluton™ 45 Degree Weapon Stand Set

This is used in conjunction with the Pluton™. This cone provides an adjustable stand for the Pluton™ charge to allow for improved positioning at the target.

Contents: 3 Stands & Cable Ties
NSN: 1375-99-840-5796
Part No.: PS3901



Pluton™ Loading Kit

This product includes a stemming rod and loading plate for loading explosive into the charge.

Contents: Stemming rod & loading mandrel
Part No.: PL2907
NSN: 1385-99-183-3216



Pluton™ Underwater Stand-off Capsule Set

In order to use Pluton™ underwater, a stand-off capsule must be attached to the front of the Pluton™ creating an air gap that allows the charge to function underwater.

Contents: 3 capsules per pack
Part No.: PL2002
NSN: 1385-99-412-2147



Pluton™ Maritime EOD – Accessory Pack 2

This product is an essential purchase if you are buying the Pluton™ Charge & Stand Assembly. It provides two types of cones, aluminium legs and accessories to better configure your charge or to support multiple charge arrays.

Contents: 3 Copper Jet Forming Cones, 3 Magnesium Jet Forming Cones, 1 Loading Kit, 9 Aluminium Legs, 1 pack of Detcord Clips, 1 pack of PDA & 1 nylon pouch
Part No.: PL2905
NSN: 1385-99-856-4664



Magma™ System

Magma™ Basic Kit

Based on the same basic design as the Vulcan and Pluton, the Magma has a typical NEQ of 250-500g which is roughly double that of the Pluton.

Contents: 3 Bodies, 9 Legs, 1 Loading Mandrel
Part No.: MG1901



Magma™ Projectile Copper EFP Set

This cone generates an explosively formed projectile (EFP) which may be used to penetrate robust targets at much greater ranges than a jet-forming cone.

Contents: 3 cones per pack
Part No.: MG1903



Krakatoa™

The 90mm diameter Krakatoa™ is a highly versatile modular user-filled charge system for EOD and demolition for both on land and underwater tasks, which is larger than the Pluton™ and smaller than the Vesuvius™. Used in a horizontal orientation the Krakatoa™ can be used with a copper EFP or a fragmentation projectile called the Gladius™. Used for penetrating thick sheet steel objects, it can be used for demolition, decommissioning and in underwater tasks.

Krakatoa Basic Kit™

The Krakatoa Basic Kit™ contains 3 charges, aluminium legs, a loading kit and sights. A tripod mount allows charges to be used with any standard photographic tripod. The user then selects the desired projectile and fills the charge ready for use. Projectiles must be purchased separately.

Contents: 3 Charges, 12 Aluminium Legs,
1 Loading Kit, 3 Sights, 3 Sabots
NSN: 1385-99-344-3750
Part No.: KR1001



Krakatoa™ Projectiles

Copper Jet Forming Cone Set

This conical copper liner is able to penetrate 300mm of mild steel with a hole diameter of 18mm. It is similar conceptually to the obsolete UK charge 'Demolition No1' (CD1 – 6" Beehive) though more explosively efficient.

Contents: 3 cones per pack
NSN: 1385-99-445-0357
Part No.: KR1003

Copper EFP Set

This EFP has a shallow copper dish-shaped charge liner which is able to produce a hole of 40mm diameter in 30mm steel plate at 30m stand-off.

Contents: 3 EFPs per pack
NSN: 1385-99-256-3518
Part No.: KR1005

Gladius Fragmentation Projectile Set

This projectile is a plastic container holding 480 steel balls which act as projectiles.

Contents: 3 Projectiles per pack
NSN: 1385-99-375-9486
Part No.: KR1007



Krakatoa™ Accessories

Krakatoa™ Underwater Stand-off Capsule

In order to use Krakatoa™ underwater, a stand-off capsule must be attached into the front of the Krakatoa™ creating an air gap into which the projectile can be formed before it enters the water.

Contents: 3 capsules per pack
NSN: 1386-99-354-0592
Part No.: KR1010



Underwater Stand-Off Capsule Set 1

An optional extra, the application of the nozzle will provide the ability to use the shaped charge underwater.

Contents: 3 Projectiles per pack
NSN: 1386-99-354-0592
Part No.: KR1010



Vesuvius™ System

The Vesuvius™ System is the largest of the Alford shaped charges. It is a user-filled modular charge which is supplied in kit form. Vesuvius™ is used for engineering and assault tasks, or when explosive delivery is required into difficult to reach areas. This 150mm diameter charge Vesuvius™ can be loaded with approximately 4kg of plastic explosive and can be mounted onto a mini-tripod to improve aiming.

Vesuvius™ Basic Kit

This product provides a basic kit which includes one charge body, aluminium legs which can be bent into position, a Picatinny rifle sight mount and a loading tool.

Contents: 1 Charge, 4 Aluminium Legs,
1 Loading Tool
Part No.: VV1001



Copper EFP Projectile

The liner has a slight inflection which allows it to make a hole at least 80mm in diameter through a 60mm steel target at more than a 60m stand-off.

Contents: 1 Projectile
Part No.: VV1012



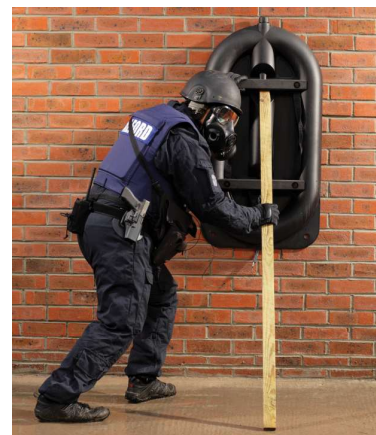
Alford water-tamped breaching charges are engineered to deliver powerful performance for a minimal net explosive quantity (NEQ). The water tamping ensures that the explosive effect is focused and the fragmentation is reduced to protect the breacher. These products are widely used by the breaching community to successfully breach walls, doors and windows.

Gatecrasher™ Mk4

Gatecrasher™ is a water-tamped breaching charge renowned for its superb performance. It is used to produce man-sized holes in walls up to 50cm (20in) thick. Its explosive power is greatly enhanced by water tamping which contains the power and minimises fragmentation.

Contents:	1 product
NSN:	1375-99-895-4034
Part No.:	GC4001
Dimensions:	Height 580mm x Width 1090mm x Depth 60mm
Weight Empty:	4kg
Weight Full:	21kg
Water Quantity:	14.25 litres
NEQ:	35g single strand 10g/m detonating cord 3kg plastic explosive (PE)

Typical Loads:	
Single Brick:	8 strands of 10g/m detcord
Double Brick:	6mm sheet explosive
Triple Brick:	9mm periphery, 12mm centre
	Full load of PE4 with inserts in
Quadruple Brick:	12mm periphery, 15mm centre
Above 50cm (20in):	Full load of PE4 without inserts



Gatecrasher™ Modular

Used as an alternative to the Gatecrasher™, the Gatecrasher™ Modular is a water-tamped breaching charge used to breach walls or other solid structures. Available in two variants, one of which includes a linear cutting effect. It can be scaled up or down depending upon the size of the target. The charge is supplied with a Tactical Sleeve which can be rolled up for quick and easy transportation.

Type 1 - Water Tamped Breaching Charge

Type 1 is a water tamped breaching charge and has 3 x 15mm pockets which can accommodate plastic or sheet explosive with an NEQ from 20g to 300g.

Contents:	4 Modules per pack & 1 Tactical Sleeve
NSN:	1375-99-241-8238
Part No.:	GM1901
NEQ:	300g



Type 2 - Water Tamped Breaching Charge with Linear Cutting

Type 2 has a specially designed linear cutting charge with an NEQ of 300g with plastic explosive or bundled detcord.

Contents:	4 Modules per pack & 1 Tactical Sleeve
NSN:	1375-99-368-1324
Part No.:	GM1902
NEQ:	300g



Gatecrasher™ Modular – Tactical Sleeve

Used as a spare and in conjunction with the Gatecrasher™ Modular – Type 1 or Type 2, the Tactical Sleeve can accommodate up to 4 charges at any one time. The sleeve contains 4 removable Velcro pockets which hold the charges and can be repositioned on the sleeve to suit the target. Once loaded the charge can be held in place using a broom handle or other prop. The Tactical Sleeve GM2005 can be used with up to 4 Gatecrasher™ Type 1 or Gatecrasher™ Type 2 modules.

Contents:	1 sleeve
NSN:	1375-99-498-9674
Part No.:	GM2005



Breacher's Boot™

The Breacher's Boot™ is a high-efficiency water-tamped breaching "water impulse charge" used to open steel, wooden or plastic (uPVC) doors. The explosive load can be easily tailored to suit the target. Breacher's Boot™ has been successfully used in the UK in counter-terrorist operations and is widely used throughout the world.

Contents: 1 Charge
 NSN: 1375-99-219-8421
 Part No.: BR1001
 Dimensions: 350 x 100 x 75mm
 Weight Full: 2.15kg
 NEQ Min.: 3g (46 grains) – single strand of 10g/m (50 grain) detcord
 NEQ Max.: 27g (416 grains) – 9 strands of 10g/m (50 grain) detcord



Mini Breacher's Boot™

Mini Breacher's Boot™ is a water-tamped "water impulse" charge used to open wooden or plastic (uPVC) doors. The Mini Breacher's Boot™ is a lighter charge than the Breacher's Boot™ and the Mini Breacher's Boot™. It is specifically designed to fit the side panels of doors or where size and weight are critical. Mini Breacher's Boot™ has been successfully used in the UK in counter-terrorist operations and is widely used throughout the world.

Contents: 1 Charge
 NSN: 1375-99-190-7498
 Part No.: BR1002
 Dimensions: 200 x 75 x 60mm
 Weight Full: 800g
 NEQ Min.: 1.5g (23 grains) using a single strand of 10g/m (50 grain) detcord
 NEQ Max.: 4.5g (70 grains) using 3 strands of 10g/m (50 grain) detcord



Alford Strip Charge™

Alford Strip™ is a high-efficiency tamped strip charge used to split wooden doors, windows and to cut laminated glass or to breach plastic or wooden doors. It can be used both to cut targets and to push like a compact water impulse charge. The Alford Strip™ is a lightweight low-fragmentation plastic strip filled with an inert water-based gel which acts as the tamping medium. Can be cut to length with a hacksaw. Available in two widths; 25mm and 42mm, in various lengths with connectors available to assist in making shaped frame charges.

Product	Part No.	NSN	Contents
Alford Strip 25mm - Set 1	AS3011	1375-99-814-3893	2 x 1m lengths
Alford Strip 25mm - Set 2	AS3021	1375-99-553-3258	3 x 0.65m lengths
Alford Strip 25mm - Set 3	AS3041	1375-99-175-1767	4 x 0.25m lengths
Alford Strip 25mm - Set 4	AS3901	1375-99-241-8192	2 x 1m, 3 x 0.65m, 3 x 0.25m lengths, 1 x corner set, 2 x t-joint, 4 x End Caps
End Cap Set	AS3031	1375-99-152-0436	4 per pack
Corner Set	AS3032	1375-99-168-5280	4 per pack
T-Joint Set	AS3033	1375-99-308-1394	4 per pack

1 Metre Length Dimension: 1000mm x 25mm x 15mm

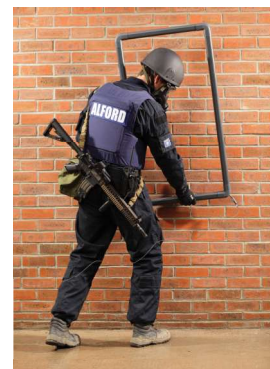
NEQ Min.: 5g/m (25 grains/foot) detcord

NEQ Max.: 20g/m (100 grains/foot) detcord

Product	Part No.	NSN	Contents
Alford Strip 42mm - Set 1	AK1901	1375-99-219-9090	2 x 1m lengths, 2 x 0.5m lengths, 4 x Corners, 2 x Det Cord Clips
Alford Strip 42mm - Set 2	AK1902	1375-99-188-6019	2 x 1m lengths
Alford Strip 42mm - Set 3	AK1903	1375-99-840-5171	3 x 0.5m lengths
Corner Set	AK1904	1375-99-553-9475	4 per pack
End Cap Set	AK1905	1375-99-906-3560	8 per pack

1 Metre Length Dimension: 1000mm x 42mm x 27mm

May be loaded with detcord, strips of sheet explosive or plastic explosive (250g/m)



Alford Technologies are innovators in delivering efficient metal cutting charges with linear cutting, bar and cable cutting and blast charges. The Alford range of demolition and steel cutting charges are used by commercial demolition companies, by military demolition and EOD professionals to deliver effective results. Charges can be used both on land and underwater.

Re-bar Cutter™

Available in 15mm, 32mm & 50mm, the Re-bar Cutter™ consists of a plastic cased shaped charge which is designed to clip on and sever steel bars or cables. Can be used individually or in an array for larger targets or enhanced cutting.

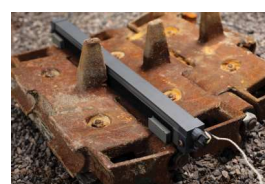
Product	Qty per pack	Part No.	NSN	NEQ
15mm	6	RB1500	YES	18g Plastic Explosive (PE)
32mm	3	RB3200	YES	70g Plastic Explosive (PE)
50mm	3	RB5000	YES	175g Plastic Explosive (PE)



Dioplex™

Dioplex™ is a range of linear cutting charges which are user-filled and supplied in kit form. Charges are assembled from pre-formed lengths of extruded aluminium with the copper liner factory fitted and sealed in place. Charges are filled with explosive by the user. Lengths can be cut to size using a hacksaw and endcaps are provided to seal the explosive in place. Available in 20mm, 30mm, 40mm, 60mm & 80mm widths in 1m or ½ metre lengths.

Product	Qty per pack	Part No.	NSN	Performance	NEQ
Series DX300	1	DX1202	TBC	12mm max. cut	0.3kg/m
	1	DX1201			
Series DX450	1	DX0452	TBC	20mm max. cut	0.4kg/m
	1	DX0451			
Series DX900	1	DX1302	TBC	30mm max. cut	0.9kg/m
	1	DX1301			
Series DX1200	1	DX5402	YES	40mm max. cut	1.2kg/m
	1	DX5401			
Series DX3000	1	DX3012	TBC	60mm max. cut	3.0kg/m
	1	DX3011			
Series DX5000	1	DX5802	YES	80mm max. cut	5.0kg/m
	1	DX5801			



Universal Demolition Block (UDB)™

The UDB™ is a modular charge container which is filled by the user. Developed to hold pre-formed blocks of PE or to be hand filled with plastic explosive. Containers can be slotted together lengthways or widthways to provide a charge sized to suit the target. The flat surface of the charge allows the charge to be affixed using Breacher's Tape™ or HydroTape™ depending upon the type of surface. UDB™ is ideal as a general demolition or breaching charge.

Product	Qty per pack	Part No.	NSN	Colour	NEQ
UDB 250g	1	DB1001	YES	Beige	250g
	12	DB1002			
UDB 500g	1	DB5001	YES	Grey	500g
	8	DB5002			



Neptunex (UDB)™

Neptunex™ is a range of linear cutting charge designed exclusively for use underwater and which are user-filled and supplied in kit form. Charges are assembled from pre-formed lengths of extruded aluminium with the steel liner factory-fitted and sealed in place. The charges are assembled from pre-formed extruded aluminium, with a sealed steel box liner and they are supplied in 1 metre and 0.5 metre fixed charge lengths.

Product	Qty per pack	Part No.	Performance	NEQ
Series NX450	1	NX0452	severs 20mm	0.45kg/m
	1	NX0451		
Series NX1200	1	NX1202	severs 35mm	1.2kg/m
	1	NX1201		
Series NX3600	1	NX3602	severs 45mm	3.6kg/m
	1	NX3601		
Series NX5600	1	NX5602	severs 65mm	5.6kg/m
	1	NX5601		



Bangalore Blade™

The Bangalore Blade is a modern replacement for the Bangalore Torpedo. It is used by assault engineers to clear a path through obstacles such as barbed wire entanglements that would otherwise have to be removed by hand, possibly under fire. Bangalore Blade is especially effective since it uses several linear explosively formed projectiles capable of cutting razor wire beyond the reach of conventional Bangalores. The factory-filled version can also be supplied with an aluminised plastic-bonded explosive with greater blast effect than conventional Bangalores.

Features include:

- Construction from modern lightweight materials to reduce the loads carried by assault engineers and logistic support
- Construction of modern durable materials to provide a long shelf-life
- Shorter length, allowing great versatility against a wider range of obstacles, for example combat in urban areas
- Connections to allow the Bangalores to be joined into very long lengths
- High efficiency in that Bangalore Blade gives more cutting effect than conventional Bangalores requiring more explosive
- Factory pre-filled units



Advantages of factory pre-filled Bangalore include:

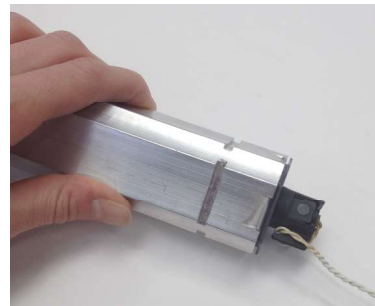
- Light and efficient packaging to reduce logistic burdens.
- The 8m kit is supplied in two boxes each containing eight 0.5m lengths with nose cones, connecting joints, and 30m of integrated shocktube for initiation
- Insensitive explosive filling
- High-blast aluminised plastic bonded explosives (PBX) filling



Specifications:

Contents: 8 x 0.5m Charge, 4 x couplings,
2 x nose cones, 2 x Shocktube
Systems 50 m

Bangalore Blade dimensions: H 40mm, W 40mm, L 500mm
Main charge: FPX V40 (W: 750g)
NEQ per module: 0.75kg per 0.5m unit
Package weight: 18kg
Package dimensions: H 300mm, W 340mm, L 590mm
Box NEQ: 6kg
Hazard Division: 1.1D



FORCIT

D E F E N C E

Alford Technologies is in partnership with world renowned explosives manufacturers ForcIT Defence who will provide the user with the factory pre-filled explosive charge.

For further information on user-filled or pre-filled charges contact sales@explosives.net.



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ALFORD
WHEN YOU CAN'T AFFORD TO FAIL

Improvised Explosive Device Disposal (IEDD) Kit

The Improvised Explosive Device Disposal (IEDD) Kits are specifically for Explosive Ordnance Disposal (EOD) Operators and Bomb Technicians. These kits provide teams with comprehensive kits of user-filled charges which will be suitable for the full spectrum of complex IEDD tasks.

The range of IEDD Kits include:

- Lightweight IEDD Kit - Contains a range of modular user-filled charges for use against IEDs
- Heavyweight IEDD Kit - Configured for use against large IEDs or IEDs in hardened containers such as gas cylinders or vehicles.
- Expeditionary IEDD Kit - Configured for operations where conventional IEDD procedures cannot be applied or where the use of large remote vehicles is considered impractical
- VBIED Kit - Configured for use to counter a variety of vehicle-bourne IED scenarios
- Assault IEDD Kit - Configured for the IEDD operator who is patrolling in an IED environment



Restock and replacement items are available to reorder.



The IEDD Kits contain five types of user-filled explosive charges, including:

- Water-tamped charges
- Omni-directional charges
- Shaped charges with a variety of projectiles
- Command wire / detcord cutters
- Range of accessories to assist with positioning, fixing and aiming charges

Breaching Kit

The Breaching Capability Kits provide breaching teams with a comprehensive selection of user-filled explosive charges supporting all breaching tasks and all Explosive Methods of Entry (EMoE):

- Law Enforcement Breaching Kit
- Lightweight Breaching Kit
- Heavy Breaching Kit
- Large Building / Hotel Breaching Kit



Restock and replacement items are available to order upon request.



The Breaching Kits contain a variety of cutting, pushing and highly penetrative charges. Charge types include:

- Water-tamped charges
- Tamped strip/frame charges
- Demolition charges
- Range of accessories, detonator clips and adhesive tapes

Standard Kits are available for all Explosive Capability Kits. Kits can also be tailored to suit the type of customer, the threat faced and the type of explosive used in country. For further information contact sales@explosives.net.



Conventional Munitions Disposal (CMD) Kit

The Conventional Munitions Disposal (CMD) Kit has been developed for EOD Operators and Bomb Technicians who dispose of conventional munitions, explosive remnants of war (ERW) and unexploded ordnance (UXO). The CMD Kit contains tools which can undertake a variety of explosive tasks, including bomb disposal, trepanning, low-order deflagration, demolitions and deliberate ordnance detonation. The kit includes the highly-renowned Vulcan™ shaped charge. Vulcan™ is truly versatile and can be loaded with the chosen projectile depending upon the required task.

Charges in the kit include:

- Copper lined linear-cutting charges
- Shaped charges
- Projectiles and accessories

Contents
NEQ Min:

Available on Request
Various

Restock and replacement items are available to reorder upon request.



Maritime Capability Kits

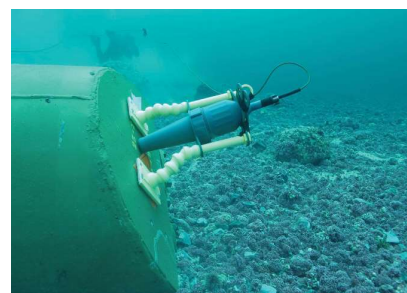
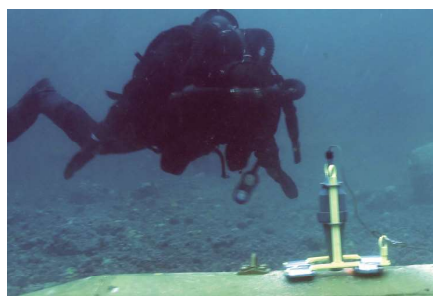
A range of Kits that provide Navy Explosive Ordnance Dive teams with a comprehensive selection of user-filled explosive charges.

- Pluton Limpet Mine System - Configured for Mine Clearance Diving Operations
- Maritime Command Wire Kit - Configured for Maritime IEDD Operations
- Maritime Explosive Demolitions Kit - Configured for small scale underwater Demolitions Operations
- Maritime Explosive Ordnance Disposal Kit - Configured for a wide range of Maritime EOD Operations

The Maritime Capability Kits support a variety of explosive tasks including countermining, low-order deflagration, demolitions and flooding.

Charges include a variety of:

- Shaped charges
- Copper lined linear-cutting charges
- Demolition charges
- Projectiles, stands and accessories



Contents
NEQ Min:

Available on Request
Various

Restock and replacement items are available to reorder upon request.

Standard Kits are available for all Explosive Capability Kits. Kits can also be tailored to suit the type of customer, the threat faced and the type of explosive used in country. For further information contact sales@explosives.net.



Explosive Demolitions Shaped Charge and Steel Cutting Kit

The Explosive Demolitions Shaped Charge and Steel Cutting Kit provides users with a comprehensive set of user-filled explosive charges to conduct a wide variety of explosive applications. A range of projectiles are included in kit such as Copper Jet Forming Cones, Copper EFPs and the anti-vehicle Gladius projectile. Linear Cutting charges supplied are Dioplex™, and Neptunex™ for underwater applications. Included is a comprehensive selection of accessories to provide the means of positioning, fixing and aiming the charges.

Charge types include:

- Water-tamped charges
- Large shaped charges with a variety of projectiles
- Copper-lined linear cutting charges
- Demolition charges
- Range of stands and accessories that provide a means of attachment

Contents
NEQ Min:

Available on Request
Various



Restock and replacement items are available to order upon request.

Standard Kits are available for all Explosive Capability Kits. Kits can also be tailored to suit the type of customer, the threat faced and the type of explosive used in country. For further information contact sales@explosives.net.

The images used for the Capability Kits are for illustrative purposes only. Full details of Capability Kits content can be provided upon request.

Adhesive Tapes

HydroTape™

Specially formulated for Alford Technologies, this high-tack double-sided adhesive tape which creates an immediate strong bond between the charge and the target. Can be used on the majority of surfaces, particularly good for wet, dirty, dusty surfaces or if you need to reposition the charge the tape will easily lift yet still provide you with a strong bond.

Contents: 1 roll per pack
Part No.: HT1015
NSN: 7510-99-153-6251



Breacher's Tape™

A high-tack double-sided adhesive tape which creates an immediate strong bond between the charge and the target. Can be used on the majority of surfaces, particularly good for dry, clean surfaces or where you need an aggressively tacky adhesive.

Contents: 1 roll per pack
Part No.: TP1501
NSN: 7510-99-497-9503



Squid Tape™

A self-bonding silicone based tape which can be used on land and underwater. Does not contain adhesive. Is heat resistant and stretches up to 300%. Can also be used to form an air/water tight seal.

Contents: 1 roll per pack
Part No.: TP1602



Plain Detonator Adaptor (PDA)TM

The Plain Detonator Adaptor (PDA)TM crimps into a plain detonator, providing a reliable way of linking charges and a secure method of attaching to the detonating cord. Available in packs of 20 or 1000.

Product	Part No.	NSN
Pack of 20	DA1020	1375-99-668-6505
Pack of 1000	DA1920	1375-99-613-8174



Detcord ClipTM

Used to connect detonating cord when rigging multiple charges or to clip sections of detcord together. Manufactured from soft plastic, can be used when wearing gloves. Includes a loop to secure free trailing detonator leads and a clip for creating a junction of detcord.

Product	Part No.	NSN
Pack of 20	DC1901	1375-99-601-9851



Mini Detcord ClipTM

Used to connect narrow diameter detonating cord when rigging multiple charges or to clip sections of detcord together. Manufactured from soft plastic, can be used when wearing gloves. Includes a clip for creating a junction of detcord.

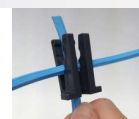
Product	Part No.	NSN
Pack of 20	DC2901	1375-99-155-5887



Detcord Clip JunctionTM

Used in cooperation with the Mini Detcord ClipTM and Detcord ClipTM, the Detcord Clip JunctionTM allows the operator to change direction with the detcord in order to rig up multiple charges.

Product	Part No.	NSN
Pack of 20	DJ1901	1370-99-153-9369



Split ScrewTM

The Split ScrewTM used in conjunction with the Plain Detonator Adaptor (PDA)TM provides an effective way of securing the detonator into the charge without risk of the detonator becoming loose or falling out (detonator not included).

Product	Part No.	NSN
Pack of 1	CP0011	1385-99-471-2589



Dummy Detonator SetTM

The Dummy Detonator SetTM allows you to set up the charge with a dummy detonator to ensure the explosive can accommodate the detonator effectively. When ready, the dummy detonator is replaced with the live detonator. Assists operator safety.

Product	Part No.	NSN
Pack of 1	CP0014	1385-99-833-2410



Magnet Assembly Set

A set of 10 magnets (size 50mm x 20mm x 8mm each), with Velcro loop attached to one side. For affixing charges to metal targets.

Product	Part No.	NSN
Pk 10 Magnets	CP0007	1385-99-770-6189



Detcord Cutter

This cutter fits neatly into the hand and is made with a steel cutting blade. It has a unique automatic lock to keep the tool closed when not in use and can fit into standard pouches. The blade does not cut against a hard surface ensuring against the risk of friction while cutting.

Product	Part No.
Pack of 1	MT1001



Detcord Loop BoosterTM

This plastic clip enables reliable initiation of RDX based sheet and plastic explosives from detonating cord. It forms the detcord into a loop into which plastic explosive is packed to assist with initiation. Assists operator safety.

Product	Part No.
Pack of 20	DB1901



Detonator ClipTM

This clip allows "sensitised detcord" (plain detonator crimped onto detcord) or plain detonators crimped onto safety fuze to be inserted and gripped firmly into Alford charges without the risk of the detonator being pulled out by accident. Assists operator safety.

Product	Part No.
Pack of 20	MC1901



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WO2, British Army

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Managing Director, UK EOD equipment provider

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Issue: 01/2017. Due to ongoing development products and descriptions may be subject to change
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