



World leaders in diving equipment technology

DEFENCE  
COMMERCIAL



**The Arvest Cutter is a portable cutting set which enables the wearer to cut ferrous and non-ferrous metals and most other materials rapidly, with accuracy and with control.**

The set uses the proven Ultrathermics Cutting Rods which are precision made mini thermic lances (i.e. iron wires and tube being fed with oxygen).

The rods are ignited by a specially designed battery ignition system arcing between the rod and the handheld striker. Once alight the Ultrathermics Cutting Rod can be transferred to the material to be cut.

The rod is effective and will burn both on the surface and underwater to depths of over 450msw (1,500fsw).

**NOTE:** The oxygen cylinder supplied is 10 litre steel, 232 Bar, cleaned and valved for oxygen use (manufactured to BS5045). Weight: 13.8 kg approx. However, some users may prefer to use an industrially available cylinder from their own country, such as a PT10. (Weight: 18.5 kg approx.). Please specify the 'no cylinder' option when ordering.

For operational purposes the unit may be hung in readiness for rapid deployment or otherwise stored in the aluminium packing case.

The waistcoat style harness supports all components and evenly distributes the weight across the body. The four straps are easily adjusted and provide a secure fit in all attitudes. The attention to detail on this set is also superb with velcro to tidy up and position the webbing tails.

## Arvest Cutter

Once the harness is on and secured, the cutting torch and striker can be released from their securing loops.

The battery power supply is permanently 'on' when the set is worn but until the cutting rod is inserted into the cutting torch, no electrical 'short-circuit' or contact is likely.

Upon insertion of an Ultrathermics Cutting Rod into the Divex Torch, the rod tip can be inserted into the striker cup. This specially developed item optimises the amount of battery power required for ignition. Once the rod is arced, a gentle squeeze on the oxygen valve and you are cutting!

The oxygen cylinder chosen by the British Royal Navy is a steel 10-litre, 230 Bar, PT10. Other cylinders may be substituted either on a size or weight basis. The adjustable cylinder pouch will accept cylinders from 3-litre to 15-litre. Approximately ten rods can be burned from a PT10 cylinder.

One Ultrathermic rod will cut approximately 15" (40cm) of  $\frac{3}{4}$ " (2cm) steel (dependant on operator).

The standard system can be used in water to 1 metre deep. This will permit its use in many rescue or battle damage control situations.

Proper training and utilisation of this powerful piece of equipment is, of course, essential. Divex offers training courses. Please contact us for further information.

### HEAD OFFICE

Enterprise Drive  
Westhill  
Aberdeen  
AB32 6TQ

T: +44 (0)1224 740145  
F: +44 (0)1224 740172

### GLOBAL LOCATIONS

Aberdeen  
Chertsey  
Portsmouth  
Bremen  
Dubai  
Cape Town  
Perth  
Sydney

discover more  
[www.divexglobal.com](http://www.divexglobal.com)

#### Arvest Cutter

Order Code A5000

#### Arvest Cutter (no Cylinder) NSN: 3433-99-010-0609

Order Code B5000