



LMDE

The Limpet Mine Disposal Equipment (LMDE) has been developed to disrupt thin cased mines that have been attached to the hull / structure of a ship or underwater installation.

The LMDE comprises a disruptor system mounted in a stand which is attached to the hull or structure using magnets. The LMDE is diver depl oyable and has buoyancy blocks fitted to the stand to assist carrying and placement.

The system would normally be prepared on deck or land then positioned adjacent to the target. Once in position the stand has features to allow the barrel to be accurately adjusted and positioned against the target.

In operation, the LMDE projects a "slug" of water at high velocity into the target. This water penetrates the box of the target and disrupts the explosive filling and detonation mechanism providing

a high degree of confidence that detonation will be avoided. The energy required to project the water is derived from an electrically initiated power cartridge.

The power cartridge may be initiated from a safe distance either on land or the ships deck using an electronic exploder such as ABP's Minex.

The LMDE is manufactured from corrosion resistant materials throughout, the stand being of hard anodized aluminium and stainless steel construction. The disruptor is of stainless steel construction which is pressure tested and flaw detected before supply.





COMPLETE EQUIPMENT

DESCRIPTION:	PART NUMBER:	QUANTITY:
Box 1	100091-0014-ASSY	1
Box 2	100167-0000-ASSY	1

TECHNICAL DATA

MAXIMUM OPERATING DEPTH:

30m

THE LMDE EQUIPMENT IS SUPPLIED IN 2 BOXES, CONTENTS AS BELOW:

BOX 1

Contains the stand, buoyancy blocks, spare accessories and maintenance tools.

Dimensions of the box 500mm x 300mm x 300mm, Weight 15Kg

BOX 2

Contains 2 barrel and breech assemblies, cleaning brush, water container, screwdriver and operators handbook.

Dimensions of the box 500mm x 300mm x 100mm, Weight 7.5Kg

PT1589 TRAINING CARTRIDGE & PT1590 WARSHOT CARTRIDGE

A training cartridge is available which limits operating pressure and avoids barrel damage such that operational equipment can safely be used in training.

The cartridges used to operate the LMDE are supplied in warshot and training variants each packaged in multiples of 18 in an H83/M2A1 container. When operated in service using a warshot cartridge the barrels are sacrificial due to the large pressures generated.

TRAINING:

PART NO: PT1589
NSN: 1385 99 551 5965

WARSHOT:

PART NO: PT1590
NSN: 1385 99 613 3571

