GICHD

OTHER EQUIPMENT

HOT DROP SYSTEM

Applications

Demolition equipment

Types

Non-explosive demolition equipment (dearmers, disruptors, etc)

Last update

August 31, 2020

General description

Hot Drop System

The Hot Drop system is a stand-off method of melting a hole in an article of ordnance and burning the HE contents. The system consists of a crucible containing a charge of TD-A thermite, the crucible has a hole in the bottom covered in aluminium tape. When the TD-A is initiated using the TIS, the reaction progresses down through mixture resulting in a pool of molten iron. When the molten iron reaches the bottom, it melts the aluminium foil releasing the molten iron, this falls in a stream down to the munition. The force and temperature of the falling iron makes a hole in the munition which then causes the HE filling to burn. Variable TD-A charge to suit task. The crucible is normally reusable, 4 to 5 times.

Working characteristics

When the TD-A is initiated, the reaction progresses down through mixture resulting in a pool of molten iron. When the molten iron reaches the bottom, it melts the aluminum foil releasing the molten iron, this falls in a stream down to the munition. The force and temperature of the falling iron makes a hole in the

munition which then causes the HE filling to burn. Variable TD-A charge to suit task. The crucible is normally reusable, 4 to 5 times.

Dimensional data

Length	150 mm
Weight	4.2 kg
Transport case weight	4.2 kg
Transport case weight info	Box
Case dimensions	38 x 38 x 17cm

Price

Base price	100 €
Reduction for higher quantity	yes

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Other information

All the Disarmco products are classed as a flammable solid that complies to UN3178 Hazardous Class 4.1, UN Packing Group III – Flammable Solid Inorganic N.O.S. which allows them to be transported on commercial airlines as they are classed as non-explosive.

Therefore, easy to transport, handle and store without the associated administrative burden of explosives.

HOT DROP SYSTEM

Images