

## INTRODUCTION AND USE

The Disarmco Dragon™ is a thermite lance designed as a standoff solution for the disposal of landmines, sub-munitions and other articles deemed “no touch”. The Dragon is supplied with individual stands to maintain the lance at the correct distance and angle to the target.

## LIMITATIONS OF USE AND GENERAL SAFETY

Based on the items to which it operates, a person qualified to work with explosive substances determines a safe distance and zone. Only Explosive Ordnance Disposal (EOD) operators or those who have the necessary competence/training should use this product. The product is intended for use within the render safe procedure applicable to UXOs only. Before using the Dragon Lance, personnel unfamiliar with thermal EOD techniques should undertake a course of training. During training on inert targets, maintain a minimum safety distance of 10 m whilst also using filtered safety goggles. **Must be used and integrated into end user’s SOP’s.**

## STANDARD OPERATING PROCEDURE (SOP)/INSTRUCTIONS

1. These instructions are not intended for standalone use; they are for inclusion into relevant customer SOPs.
2. Please also read the Information/SOP sheet for the Disarmco TIS starter.
3. To ensure the Dragon remains dry, only remove from the bulk packing when use is imminent. (Figs 1)
4. Using your thumb, pierce the red cross on the starter end of the Lance. (Figs 2)
5. Open the TIS packing and extend the leads of a TIS starter insert the TIS starter into the end of the Dragon where indicated on the label (Figs 3). Gently press in place. Tape the TIS in place and also tape the TIS wires to the Dragon body to provide strain relief (Figs 4). The TIS starter require an energy >6J at a voltage of >350V.
6. Prepare the Dragon stand (Figs 5). This is achieved by bending the wire using hands or pliers. Place the Dragon within the stand and secure using cable ties supplied (Figs 5). Ensure that a stand-off of at least 9-12cms from the boundary line marked on the Dragon and the target; arrow indicates direction of Dragon flame. The stand has flexible wire legs that can be bent and pushed into the ground **or use a sandbag to provide a firm footing, if above ground. This applies to any stand deployed when using the Dragon Lance.**
7. Connect the TIS wires to the firing cable, no polarity required.
8. Move to safe distance from target.
9. Follow organizations SOP’s in relation to safety distances and sentries. At the firing point, connect firing cable to firing device.
10. Activate firing device when ready.

## HAZARDS:

Burns with a jetting flame > 2000°C, do not inhale fumes.

Do not view from under 30m without protective goggles (filtered).



Figs 1



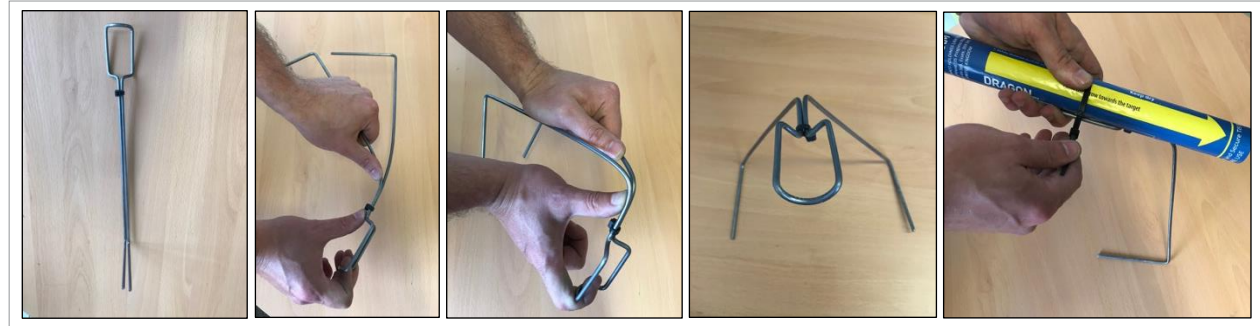
Figs 2



Figs 3



Figs 4



Figs 5

