

# TSID – 1000 AND 2000 THERMAL SHOCK INDUCED DEFLAGRATOR



Disarmco's TSID Units are designed to neutralise High Explosive (HE) filled munitions rapidly without detonation as a Low Order Technique. TSID minimises fragmentation, blast over-pressure and acoustic pollution by initiating rapid combustion of the munitions filling by deflagration through thermal induction.

## Applications

**Demilitarisation:** The decommissioning of ammunition is an international challenge especially in the area of HE filled Ordnance. Open detonation has become increasingly difficult due to environmental pressures and constraints.

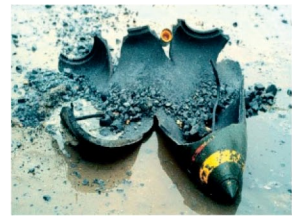
**EOD:** The reduction of collateral damage and environmental impact are often significant considerations in EOD operations. TSID units offer an alternative Low Order neutralisation option. TSID units are not classified as Class 1 explosive items.

## Sizes

The following standard TSID units are available:  
TSID 1000: Projectiles over 155mm, warheads up to 25kg  
TSID 2000: HE filled air delivered ordnance, torpedoes and warheads over 25kg  
Special TSIDs can be manufactured for specific applications:  
Electrically initiated  
Reduced risk of detonation  
Intrinsically safe to store, transport and use  
Simple, safe and reliable to deploy.

## Advantages of TSID:

- Reduced fragmentation hazard
- Reduced blast over-pressure
- Reliable against a wide range of HE fillings
- Electrically initiated
- Reduced risk of detonation
- Intrinsically safe to store, transport and use



TSID units are designed to fit common ammunition profiles to ensure intimate contact but can be further contoured by the user where required. They are initiated electrically using a Disarmco Thermit Initiated Starter (TIS), which is inserted into the block by the user.

As TSID units, without igniters, are not classified as explosive items (under NATO explosive regulations) transportation and security procedures are greatly simplified.