THERMAL SHOCK INDUCED DEFLAGRATOR

TSID – 3 standard sizes available

Disarmco's TSID blocks are designed to neutralise High Explosive (HE) filled munitions rapidly with reduced risk of 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 shock.

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

As TSID blocks and TIS igniters, are not classified as explosive items (both 4.1 flammable solids) transportation and security procedures are greatly simplified

ADVANTAGES OF TSID:

- **Reduced fragmentation hazard Reduced blast over-pressure**
- **Reliable against a wide range of HE fillings Electrically initiated**
- **Reduced risk of detonation**
- **UN Classification 4.1 flammable solid**

STANDARD SIZES

Three standard TSID blocks are available for cylindrical ammunition:

TSID A and TSID B1 for projectiles of a diameter around 100mm and 155mm respectively. TSID C for HE filled air delivered ordnance, torpedoes and warheads with a diameter of around 250mm.

When disposing of large ammunition use of more than 1 block may be required. Other sizes/types can be made for specific targets.

DEMILITARISATION: The decommissioning of ammunition is an international challenge. 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 blocks offer an alternative Low Order neutralisation option.

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