

Self-Protection Mine Plough

Pearson Engineering's Self-Protection Mine Plough enables combat vehicles to rapidly force a passage through a mined obstacle by creating a cleared path for its tracks to follow.



SELF-PROTECTION MINE PLOUGH

The Pearson Engineering Self-Protection Mine Plough, or 'Track Width Mine Plough' as it is commonly known, moves concealed or buried mines and improvised explosive devices away from the vehicle's tracks to create a safe route.

Ground engaging tines are positioned across two track width blades to protect the vehicle's tracks. Fold out blade extensions to each side of the system ensure that mines are pushed well beyond the width of the cleared tracks.

This self-protection plough is designed to support the operations of Main Battle Tanks and other fighting vehicles. As such, it stows compactly when it is not deployed and it carefully avoids interference with the gun sweep when both stowed and deployed, even when the gun is fully depressed.

SCALABLE BATTLEFIELD MOBILITY

Integration with the vehicle is made via a Pearson Engineering Direct Fit Interface or Pearson Engineering Quick Connect.

The most suitable integration method depends on the mission requirements and vehicle capabilities. Our engineers will work closely with end-users and vehicle Original Equipment Manufacturers (OEMs) to define the most appropriate route. Decisions are often based on hydraulic and electrical availability as well as the required role of the vehicle.

Our interfaces enable vehicles to be configured to undertake wide ranging combat engineering, mobility and counter-mobility tasks. In this way, a single vehicle can be used to undertake breaching, earth moving and bridging activities to enhance operational flexibility.

Our approach is called 'Scalable Battlefield Mobility' and it intends to provide tactical advantage to our customers.



PRODUCT CHARACTERISTICS

- + Rapidly clears mines and IEDs from the track width of the host vehicle
- + Blast resistant and can remain fully operational after a mine detonation
- + Capable in a wide range of soil conditions
- + Low maintenance
- + Compatible with other accessories to mark cleared lanes or to interrupt alternatively fused mines
- + Palletised to support logistics
- + Battle proven with Armed Forces around the world

SUITABLE FOR:

- + Heavy weight tracked vehicles
- + Medium weight tracked vehicles

