

Route Proving Roller

Pearson Engineering's Route Proving Rollers provide protection against live pressure initiated Improvised Explosive Devices across the full width of the vehicle.



ROUTE PROVING ROLLER

Pearson Engineering's Route Proving Rollers are designed to exert the necessary forces to initiate live pressure fused Improvised Explosive Devices across the full width of the vehicle. By applying a mass to the ground ahead of the vehicle, a safe route can be found for convoy vehicles within that weight category and within the same width of the cleared lane, providing a high level of assurance.

Our family of Route Proving Rollers are designed with different functionality, dependent on the threat they will face, their host vehicle, maintenance capability and terrain that they are likely to encounter. They can be configured as follows:

- With different wheel configurations to deal with different types of terrain
- To exert different wheel loads into the ground
- With greater or lesser degrees of adaptation and flexibility
- To have emergency jettison capability
- To have variable stand-off capability
- To have additional steering capability
- To have roller lift capability

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

- + Verifies the presence of pressure-fused Improvised Explosive Devices on a route
- + Stand-off ahead of the vehicle increases survivability
- + Jettison capability ensures that a blast damaged roller does not serve as an obstacle for further mobility
- + Configurable suite of threat detect capabilities provides tactical flexibility and scalable capability
- + Battle proven with Armed Forces around the world
- + Provided during Urgent Operational Requirements and Peacetime

SUITABLE FOR:

- + All military vehicles

