Carpet™
Minefield Clearing and IED Neutralization/Detonation System

Benefits
- High clearing efficiency
- Operational in all types of terrain
- Operational flexibility: manual, semi- and fully-automatic modes
- Fully qualified and operational with the Israel Defense Forces and the French army
- Safe system for the crew

Minefield Clearing and IED Neutralization
The Carpet is a modern minefield clearing and IED neutralization system that can clear a path of 100 meters in a minefield with high mine clearance efficiency and can neutralize all types of IED’s

In order to achieve maximum crew survivability, the system is operated by two soldiers from within the vehicle compartment.

Easily Assembled Launcher
The Carpet system consists of a launcher that contains 20 rockets equipped with FAE (Fuel-Air-Explosive) warheads. The launcher is an autonomous add-on kit that can be assembled easily and quickly in the field onto any main battle vehicle or suitable military vehicle. The system is self contained, with no hydraulic power required from the host vehicle. The system needs only 24V-28V power.

The Carpet is the most efficient system for minefield clearing and IED neutralization/detonation in any terrain and in all weather conditions, while maintaining crew safety.
### Technical Specifications

| Launcher (MBT mounted option) | Total weight (fully loaded): 3.05 tons  
|                             | Launcher dimension (including mounting frame): 3.0m X 2.0m X 1.32m  
|                             | Rocket pod dimensions: 0.92m X 1.32m X 2.4m  
|                             | Mounting frame dimensions: 3m X 1m  
| Rocket dimensions & weight   | Weight: 46 kg  
|                             | Length: 1390 mm  
|                             | Outer diameter: 265 mm  
|                             | Fin span: 350 mm  
|                             | Firing range: 65-165 m  
|                             | Firing modes: Automatic, semi-automatic and Single-shot  
| Launcher installation options| Mounted on the rear of a vehicle (easily transferred from vehicle to vehicle)  
|                             | Towed behind an APC  
|                             | Installation inside an APC  

### Operational Characteristics
- Main Control Unit (MCU) controls firing and self testing from within the cabin
- Cleared path is marked with rocket fins
- No prior operation is required
- Takes only one minute to clear the mine field
- Quick reloading in battlefield conditions
- Crew practice is enabled with training rockets

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