

MINK MODULAR COMBAT SUPPORT VEHICLE



CAPABILITY DESCRIPTION



 MINK SCORPION 2

MODULAR COMBAT SUPPORT VEHICLE

DESIGN AND SAFETY

PROTECTION LEVELS

- Protected passenger monocoque cell
- Ballistic protection on passenger cabin is STANAG level 2 as standard with STANAG level 3 optionally available.
- The blast frame and cabin floor act as a blast attenuating double skin, energy absorbing mechanism and provides exceptional safety characteristics for the occupants of the vehicle.

Mine & IED protection up to STANAG levels 3A & 3B

Protected engine compartment

- Radiator grill and engine compartment sides protected to STANAG level 2.
- Bonnet protected to STANAG level 2 at 45 degrees angle of incidence.



MODULAR COMBAT SUPPORT VEHICLE

TECHNICAL SPECIFICATIONS

| Parameter | MINK SKORPION2 Specification |
|---------------------|---|
| Engine | 6.7 l Cummins / 300 hp/ 223 kW 6.8 l MAN (OPTION) 340 hp/ 253 kW |
| Torque | 1100Nm/ 1200NMm @1200 - 1800rpm |
| Transmission | Allison 6-speed Automatic |
| Engine Idle | 750 - 850 rpm |
| Range | 700 km |
| GVW/ Payload: MINK2 | 12,000 kg/ 2.700 kg, 2.000 kg (STANAG 2, 3) |
| GVW/ Payload: MINK3 | 20,000 kg/ 9.000 kg, 8.000 kg (STANAG 2, 3) |
| Alternator | 24 V/ 360 A Standard: 1 st belt: Alternator, Engine, water pump 2 nd belt: AC system and auxiliary equipment |
| Batteries | x 2 at the front, inside engine compartment x 2 in the v-hull compartment (option) |

| Parameter | MINK SKORPION2 Specification |
|------------------------------|---------------------------------------|
| Dimensions (LWH): MINK2 | 6.120 x 2.370 x 2.640 mm |
| Dimensions (LWH): MINK3 | 7.000 x 2.370 x 2.640 mm |
| Track Width/ Axle | 1.908 mm/ 4x4 independent front/ rear |
| Wheel Base: MINK2 | 3.600 mm |
| Wheel Base: MINK3 | 3.830 mm |
| Ground Clearance | 484 mm |
| Angle of approach/ departure | 40 degrees |
| Obstacle Crossing | 484 mm |
| Crew Capacity: MINK2 | 6-8 |
| Crew Capacity: MINK3 | 10-12 |
| Protection Level | STANAG 4569 3A/3B |

MODULAR COMBAT SUPPORT VEHICLE

TECHNICAL SPECIFICATIONS

PERFORMANCE MINK SKORPION2 STANDARD

| | |
|-----------------------|----------|
| Range | 700km |
| Maximum Speed on Road | 120km/h* |



*Limited to tire manufacturer specifications

MODULAR COMBAT SUPPORT VEHICLE

STANDARD AND OPTIONAL EQUIPMENT

| Standard Equipment | Optional Equipment | |
|---|---|---|
| <ul style="list-style-type: none"> ▪ CAN Bus Electrical System ▪ Forward and Rear View Cameras ▪ Air Conditioning Unit, tropical or extreme desert options ▪ Central Tire Inflation System (CTIS) ▪ Run-flat inserts in all tires ▪ Anti-Locking Brake System (ABS) ▪ Central Main Switch ▪ Battery protection system ▪ Mine blast certified seats ▪ Multipoint seat belts ▪ Towing Eyes ▪ Black out lighting ▪ Engine fire suppression system | <ul style="list-style-type: none"> ▪ Customer equipment integration ▪ Self Recovery Winch ▪ NBC overpressure filtration system ▪ Sniper detection system ▪ Fire suppression system underbody ▪ Smoke grenade launchers ▪ Weapon mount* ▪ Turret options ▪ Strobe lights ▪ IED Jamming systems ▪ Night Vision System ▪ Fit for radio and navigation system | <ul style="list-style-type: none"> ▪ PA /Intercom system ▪ Converter 24V to 220-230V ▪ Window wire mesh protection ▪ Antenna mounts ▪ Rifle holders ▪ Wire cutters ▪ Camera recording system with DVR ▪ FLIR and thermal vision systems |

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Capability Overview

The MINK Scorpion 2 System as a Counter mobility mine laying system is an advanced engineering tool designed to rapidly create anti-tank minefields, typically in minutes. This system enhances defensive or offensive operations by restricting, delaying, channeling, or blocking enemy armored forces, reducing the need for manual, time-intensive, and dangerous mine placement.

Modern, automated mine-laying technology is considered crucial for modern, high-intensity land operations, offering significant tactical advantages in both defensive maneuvering and offensive counter-attacks as proven in the Russian-Ukrainian War.



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Mission Role

MINK SKORPION2 System supports the following operational roles:

- Rapidly Variable Minefields: This system can quickly deploy different types of mines (anti-tank) to suit the tactical situation.
- Enhancing Firepower: By slowing down or forcing enemy vehicles to stop, the counter-mobility system allow friendly units to destroy them with direct or indirect fire, often by channeling them into pre-planned kill zones.
- Protecting Flanks and Rear: It is used to secure flanks, prevent rear-area infiltration, and protect critical, static, or high-value infrastructure.
- Reducing Operational Time: the Scorpion 2 as advanced, mechanized mine-layer system, reduce the time and manpower needed for obstacle construction, enabling quicker operational tempos.



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Key Performance Characteristics

- **Rapid Deployment & High Capacity:** The system is capable of deploying patterns of AT2+ mines across a wide area. Reports indicate it can disperse up to 400 mines in 10 minutes.
- **Advanced Munition (AT2+):** The system uses AT2+ anti-tank mines, which are designed for maximum destruction.
- **Intelligent Trigger Mechanisms:** The mines feature sensors that do not require direct track contact; they can be triggered by the magnetic influence of a tank's hull passing over them.
- **Operational Security:** All AT2+ mines are equipped with a programmable self-destruct mechanism, allowing for the creation of temporary barriers that safely deactivate over time, ensuring, with 99% reliability, that the zone is safe for civilians after a conflict.
- **Digital Integration & Remote Control:** The Skorpion 2 integrates with digital command and control networks, enabling remote planning, activation, and real-time reporting.
- **Operational Flexibility:** The system can be used for pre-planned defensive positions or dynamically in response to real-time battlefield developments.
- **Modularity & Mobility:** The system features a modular design allowing for integration into various vehicle platforms, enhancing its ability to operate in complex, rugged terrain, such as the Baltic region.

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CAPABILITY DESCRIPTION

Platform and Integration

The Skorpion 2 System is platform-agnostic and can be integrated on:

- MINK 4x4 Single Cabin in STANAG 2 or STANAG 3
- MINK 6x6 Single Cabin in STANAG 2 or STANAG 3

The system is designed for rapid integration into NATO-standard vehicle architectures and battle management systems.

Survivability and Force Protection

- Supporting combined army breaching operations
- Provides rapid counter mobility capability for land forces
- Networked enabled capability via direct integration into COP

These features significantly enhance force survivability in high-threat environments.

Interoperability and Networking

- Compatible with NATO C2 and ISR networks
- Supports joint and combined operations
- Direct integration into Engineer layer in every BMS

Operational Advantages

- Rapid Defensive Response
- Strengthen own defence
- Enhanced Survivability and Protection
- Operational Flexibility
- Improved Logistical Support

MODULAR COMBAT SUPPORT VEHICLE – MINK 2

SKORPION² MINE DISPENSER SUPERSTRUCTURE

| | |
|----------------------|---|
| Power Output | 6.7 l Cummins / 300 hp/ 223 kW 6.8 l MAN (OPTION) 340 hp/ 253 kW |
| Torque | 1.1007 1.200 Nm @ 1200-1800 rpm |
| Speed | 120 km/h |
| Gearbox | Allison 6-speed fully automatic |
| Gradeability | 60% |
| Side Slope | 45% |
| Length | 6.370mm |
| Gross Vehicle Weight | 15t |

- Protected passenger monocoque cell
- Radiator grill and engine compartment sides protected to STANAG level 2
- Ballistic/ Blast protection on passenger cabin is STANAG level 3A/ B

| | |
|--|--|
| Modular dispenser system to emplace an obstacle in a matter of minutes | |
| Four dispenser units | Each adjustable in rotation & elevation |
| Weight per dispenser unit | Appr. 400kg |
| Capacity per dispenser unit | Five magazines (each with 20 AT2+) |
| AT2+ Magazine | launch-container for 20 AT2+ |
| AT2+ Sensors | Multi-sensor suite |
| AT2+ Warhead Performance | > 140 mm RHA |
| AT2+ Laying Time | Fully programmable with highly reliable self-destruction at the end of laying time |



TÁRS SKORPION2

STANDARD FEATURES

- Extra storage compartment for 2nd and 3rd load of AT2+ (800 mines)
- SKORPION² Mine-Dispenser Superstructure, Programmable Scatterable Anti-Tank Munition

| | |
|----------------------|---|
| Dimensions | (LWH) 4.200 mm × 2.483 mm × 2.500 mm |
| Coupling | NATO - 15t (UNECE R55), STANAG 4103 |
| Side Slope | min. 40 % |
| Wheels | 285/70 R22.5 |
| Track Gauge | 1900 mm |
| Ground Clearance | 600 mm |
| Center Distance | 1360 mm |
| Brake System | Full pneumatic drum with ABS |
| Axles/ Suspension | 2 × 4.5t tandem (bogie), BPW air suspension |
| Electrics | STANAG 4007, 12 PIN connector 24V/ 12V, ETC1224-7 interface (800 W) |
| Gross Vehicle Weight | 9.000 kg |



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Summary Statement

The MINK Skorpion 2 and 3 are modern, fast-acting remote mine-laying systems developed by Dynamit Nobel Defence and GermanTec Automotive. Designed to support and protect own combined arms operations and to counter enemy operations and mobility, particularly for NATO's eastern flank.



PARTNERSHIP & CONTACT

SECTOR FOCUSED SOLUTIONS



Our platforms support European defense autonomy and NATO interoperability, contributing directly to national security and industrial strength. Designed for seamless integration with allied forces, GermanTec vehicles align with EU strategic goals and compliance requirements.

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GermanTec Automotive vehicles deliver modular, mission-flexible mobility and certified crew protection for peacekeeping, tactical, and border security operations. Our designs prioritize survivability and adaptability in demanding operational environments.

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Open system architecture and standardized interfaces enable collaboration on next-generation vehicle systems. GermanTec Automotive is committed to co-development with European suppliers and supports local production networks.

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EMPOWERING MISSION SUCCESS THROUGH CERTIFIED GERMAN ENGINEERING



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