



TGS-MIL PROTECTED

MILITARISED TRUCK EXCELLENCE

Rheinmetall MAN Military Vehicles offers the militarised, protected TGS platform in 6x6 and 8x8 configuration based on the latest Trucknology Generation, “TGS-Mil Protected” for short. The heavy range sets standards in safety, ergonomics and reliability. The TGS-Mil Protected incorporates a wide range of new features, remains true to the DNA of the TGS-Mil (unprotected) platform, and stands for uncompromising excellence in military trucks.

MILITARY FEATURES

Crew Survivability & Tactical Superiority

- Protected cabin available according to STANAG
- Fully integrated blackout lighting according (STANAG and Mission Mode)
- Protective grille for headlights and taillights
- Customized weapon mounts
- Military paint finish according to STANAG

Unmatched Mobility & Performance in Extreme Conditions

- Engine qualified for low grade/high sulphur fuels (F34)
- Climatic operational range from -32°C up to $+49^{\circ}\text{C}$
- 750 mm fording without preparation according to STANAG
- NATO shackles (front and rear), inter-vehicle slave start, trailer sockets and trailer couplings

ADDITIONAL HIGHLIGHTS

Maximum Operational Reliability & Mission Effectiveness

- Robust inline six-cylinder engine for global operations: a real power house for any use-case
- Excellent load handling on- and off-road through the low torsion ladder frame
- Cabin with driver oriented dashboard, significantly increasing driver ergonomics and safety
- Cabin body structure reinforced in order to comply with safety requirements of ECE R29-3

Long-Term Availability & Reduced Lifecycle Costs

- High degree of parts commonality with our HX series for maximum service quality
- Benefit from our through life support utilising existing OEM networks wherever possible
- Upgradeability with add-ons, PDS tasks & safety updates by System House Rheinmetall

DRIVE TRAIN

Engine

- MAN engine
 - 6 cylinders in-line, 12.4 l displacement
 - Up to 382 kW (520 hp)
 - Up to 2650 Nm
- Euro II, V and VI emission standard
- Compatible with both diesel & military fuels (F-34)

Transmission

- 12-speed automated manual transmission or 6-speed fully automatic transmission with torque converter

Transfer case

- 2-speed transfer case with optional neutral position
- All-wheel drive – permanent or selectable

RUNNING GEAR

Brakes

- Electronic brake system (EBS) with hill-climbing brake and ABS for off-road applications

Axles

- 13 t rear axles
- Single tyre design
- MAN planetary hub reduction axles with large ground clearance and differential locks

Tyres ¹⁾

- 395/R20 single tyres
- Options include 14.00 R20
- Central Tyre Inflation System (CTIS) or Semi-Automatic Tyre Inflation System (STIS)

Suspension

- Leaf springs
- Shock absorbers and anti-roll bars

CABIN

- Protected cabin in accordance with STANAG 4569
- 2 seats
- Modern TGS-Mil series dashboard

CHASSIS

Dimensions ¹⁾

Height	approx. 3,550 mm
Wheelbase 6x6 ²⁾	3,900 or 4,200 or 4,500 + 1,400 mm
Wheelbase 8x8 ²⁾	1,800 + 3,600 or 3,900 + 1,400 mm
Overall width	2,550 mm
Transportability	Designed for rail, road, sea

Body examples

Cargo, Crane, Container carrier, Fire fighter, Load handling system carrier, Recovery, System carrier, Tanker, Tipper, Troop carrier

¹⁾ Depending on chassis configuration and equipment

²⁾ Other wheelbase options on request front axle spread + wheelbase + rear axle spread

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