



TGS-MIL PROTECTED | DEMONSTRATOR

MILITARISED TRUCK EXCELLENCE

Rheinmetall MAN Military Vehicles presents its militarised, protected version in 6x6 and 8x8 of the latest Trucknology Generation, “TGS-Mil Protected” for short. The heavy range sets standards in safety, ergonomics and reliability. Despite the multitude of new functions, the new TG-Mil remains true to the characteristic qualities of its predecessors and stands for uncompromised militarized truck excellence.

MILITARY FEATURES

- Protected cabin available according to STANAG
- 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
- Fully integrated blackout lighting (visible & IR) according to STANAG and mission mode
- NATO shackles (front and rear), inter-vehicle slave start, trailer sockets and trailer couplings
- Protective grille for headlights and taillights
- Customized weapon mounts
- Self recovery winch
- Military paint finish according to STANAG

ADDITIONAL HIGHLIGHTS

- The D26 engine: a real power house for any use-case
- Cabin body structure reinforced in order to comply with safety requirements of ECE R29-3
- Excellent load handling on- and off-road through the low torsion ladder frame
- Cabin with driver oriented dashboard, significantly increasing driver ergonomics and safety
- 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

DRIVE TRAIN

Engine

- MAN D2676 Diesel engine
 - 6 cylinders in-line, 12.4 l displacement
 - Up to 382 kW (520 hp)
 - Up to 2650 Nm
- Euro II, V and Vle emission standard
- Compatible with both diesel & military fuels (F-34)
 - (Euro Vle with retrofit kit)

Transmission

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

Transfer case

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

CHASSIS	
Dimensions¹⁾	
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
Performance¹⁾	
Approach angle	up to 32°
Departure angle ³⁾	up to 40°
Gradeability at GVW	up to 60%
Fording	up to 0.75 m
Temperature range	-32°C to +49°C operable in climate zones A1, A2, A3, B3, C0, C1 (STANAG 2985)
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

³⁾ Depends on rear overhang and rear underride

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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

Tyres¹⁾

- Up to 14.00 R20 single tyres
- Options include 395/R20 and 525/65 R20.5
- Central Tyre Inflation System (CTIS)
- 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