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PARS IV 8x8 Technical Specifications

Data subject to change without notice.

GENERAL	
Power-to-weight Ratio	> 19 Hp/ton
Crew	9 + 3 (Inc. Gunner, Driver & Commander)
Length	< 8.4 m
Width	< 3.1 m
Height	< 2.5 m
MOBILITY	
Engine	Diesel
Transmission	Fully Automatic, 6 speed forward, 1 speed reverse
Max. Road Speed	> 100 km/h
Creep Speed	< 5 km/h
Range	> 600 km
Gradient	60%
Side Slope	30%
Angle of Approach	> 35°
Angle of Departure	> 35°
Vertical Obstacle	0.7 m
Trench Crossing	2 m
Turning Radius	< 8.5 m
Fording Depth	1.5 m
Suspension System	Independent, Double Wishbone, Hydro-Pneumatic Suspension with Ride Height Control
Number of Axles	4
Driven Axles	All Wheel Drive
Steered Axles	1, 2, 3, 4
Transfer Case	2 Speed
Service Brakes	Pneumatic and ABS at Each Wheel
Parking Brakes	Integral to Driveline, Spring Activated, Hydraulically Controlled

PROTECTION & LIFE SUPPORT SYSTEMS	
Ballistic Protection	STANAG 4569 (Level Classified)
Mine Protection	STANAG 4569 (Level Classified)
IED Protection	STANAG 4569 (Level Classified)
Laser Warning System	Optional
Gunshot Detection System	Standard
Smoke Grenade Dischargers	12
Automatic Fire Suppression System	Standard
CBRN Protection System	Standard
A/C and Heater	Standard

ARMAMENT	
Type	Manned and Remote Controlled Turrets, Mortar and/or Missile Systems from Various Types and Origin Can be Integrated

MISSION EQUIPMENT	
360° Situational Awareness System	Standard
Driver Vision System	Standard
Battlefield Management System	Standard
Navigation System	Standard
Communication Equipment	VHF/UHF Radios Crew Intercommunication System
Electrical System	MIL STD 1275, MIL STD 464 Isolated High Power for Mission Equipment
Auxiliary Power Unit (APU)	Optional



PARS IV 8x8

NEW GENERATION WHEELED ARMoured VEHICLE (NG-WAV)

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OVERVIEW

The PARS IV 8x8 New Generation Wheeled Armoured Vehicle (NG-WAV) was designed and produced with FNSS' equity, considering the technical features that have evolved according to future requirements and the demands from armies worldwide. The vehicle combines user ergonomics with protection and high mobility.

The PARS IV 8x8 NG-WAV has been renewed in order to adapt to different combat environments, and has been updated to accommodate constantly developing technologies and to offer its users tactical advantages on the battlefield. The vehicle is developed to adapt to today and future hybrid warfare conditions that bring together symmetric and asymmetric threats.

The elements that determine the operational capabilities of the PARS IV 8x8 in the field; protection, firepower, mobility and electronic infrastructure, were adapted to multiple operational scenarios.

Thanks to its modular structure, the PARS IV 8x8 has been designed to be configured in different variants that can serve as infantry fighting vehicle, reconnaissance, command and control, personnel carrier, mortar carrier, combat engineering, CBRN and recovery vehicles.

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The two-man driver's front cabin of the PARS IV 8x8, allows to operate day and night in all terrain and weather conditions, and provides more than 180° of visibility and a high level of driving safety under armour. Panoramic periscopes at the front of the vehicle, as well as driving and thermal cameras at the front and rear, provide high situational awareness to the driver and commander. This allows performing all kinds of tasks safely under armour protection, without opening the driver's hatch.

The PARS IV 8x8 superior mobility is due to its power unit, to the balanced load distribution and to the fully independent, height-adjustable, hydropneumatics suspensions designed to support every mission. Thanks to the all-wheel steering system, the vehicle can turn in a radius as long as its length and can easily manoeuvre in urban areas.

The modular armour system and special hull design provide the highest ballistic, mine and IED protection in its class. The ballistic protection level can also be increased according to users' requirements.

The PARS IV 8x8 NG-WAV offers a combination of the highest mobility and protection of the PARS family and the ability to engage the evolving threats of the modern battlefield.

