

RG31

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Mine protected armoured personnel carrier



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REAL PROTECTION. REAL ADVANTAGE.

RG31

The RG31 Mine protected vehicle offers high mobility, ease of handling, and outstanding crew comfort combined with excellent mine and IED protection.



The RG31 has been successfully deployed with peacekeeping forces in several theatres and is also in service with the US Army and several other forces. Its excellent levels of protection against landmines and IEDs makes it a highly effective multi-role armoured vehicle capable of a variety of military applications. The RG31 Mk5 and Mk6, with increased power, mobility and protection for even more demanding roles, were developed specifically for modern assymetric warfare and to meet new and increasing demands.

The RG31 is available as an Armoured Personnel Carrier (APC) or Utility Vehicle. The latter can be utilised for cargo or the modular mounting of a variety of weapon systems such as 81 mm mortar, 106 mm RCL and 20 mm cannon. All variants are also readily adaptable to a variety of other applications including command and control, rapid intervention, urban or rural patrols and explosive ordinance disposal.

The RG31 has a V shaped monocoque welded steel hull. Access is through a wide rear door while roof hatches ensure emergency access and egress. RG31 is available with additional front doors. The APC variant is able to accommodate a driver and up to nine crew members. The powerful 205 kW diesel engine, all wheel drive and effective suspension system allow for excellent on-and off-road mobility. Commercial-off-the-shelf-components facilitate maintenance, repair and support.



Specifications (RG31 MK5)

OPERATIONAL CRITERIA

Dimensions		Protection Levels		Steering System	
Length	6,000 mm	Ballistic Protection	Per customer requirement	Type	Hydraulic assisted re-circulating ball
Width	2,470 mm	Mine and IED Protection	Highly effective wide spectrum protection	Axles	
Height (top of gun ring interface)	2,727 mm	Engine		Front and Rear	
Hump radius	2,946 mm	Make	Cummins	Axle Tech Series 4000	
Wheel Base	3,425 mm	Model	QSB	Type Rigid with hub reduction. CTIS ready	
Ground Clearance	389 mm	Displacement	6,700 cm ³	Suspension	
Angle of Approach	32°	Maximum power (DIN)	205 kW @ 2,500 rpm	Springs Semi-elliptic leaf	
Angle of Departure	45°	Maximum torque (DIN)	850 Nm @ 1200 to 2300 rpm	Shock absorbers Double acting	
Mass		Transmission		Brakes	
Tare	10,500 kg	Make	Allison 2500 SP Gen 4	Main Brake Systems Pneumatic, dual circuit, disc brakes with ABS	
Payload	3,700 kg	Type	5-speed automatic	Parking Brake Pneumatic releases - spring applied on rear axle	
GVM	14,200 kg	Transfer Box		Road Wheels And Tyres	
Seating	Driver +9	Make	Axle Tech T600	Rim type 11.0 x 20	
Performance		Type	2 speed; permanent 4-wheel drive	Tyres 365/80 R20 Michelin XZL	
Maximum Speed	105 km/h	RFI optional			
Gradeability	50% low range 25% high range	Options			
Turning Circle (Kerb to Kerb)	18 m	- CTIS			
Electrical System		- Larger alternator			
Voltage	24V DC				
Alternator	280A				

