

RG21

MINE PROTECTED VEHICLE



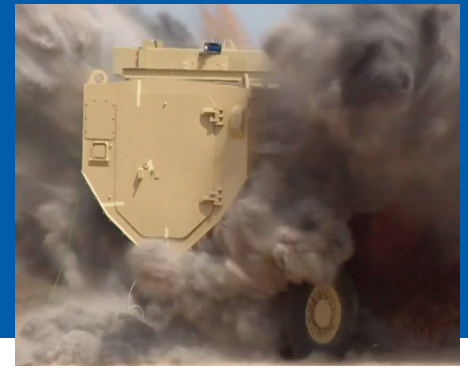
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DENEL VEHICLE SYSTEMS

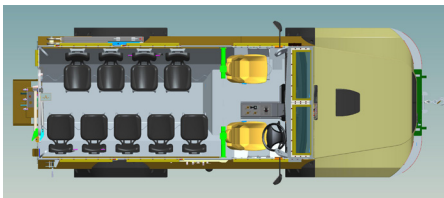


The RG21 combines the battle proven protection and quality of the RG series of armoured vehicles with the maturity and availability of commercially available host vehicle components such as driveline, running gear, dashboard and electronics.

The result is a highly protected vehicle at a very cost effective price, available as a left or right hand drive variant with modular interior and serviceable throughout service centres worldwide.

Key features:

- Proven quality and reliability with a wide range of options based on the large amount of commercially of the shelf (COTS) items used in all the automotive sub-systems.
- All aspects of the Value Chain are embedded in the system design which includes design for cost, manufacturability and supportability.
- Spacious driver and co-driver area with adjustable steering and excellent visibility,
- The vehicle can be easily re-configured for different missions due to the modular interior layout facilitated by the rail mounting system allowing repositioning of seats, radio racks, stretcher brackets and C4I equipment.
- A standard CANNBUS electrical system is fitted allowing easy to maintain diagnostics.
- Can be air transported in a C130 (with preparation).
- The roof interface can be configured for various weapon systems such as a manual turret, remote turret, smoke launchers, cupola or seated one man turret.



Dimensions

Length (with spare wheel)	6,490 mm
Width	2,454 mm
Roof height	2,930 mm
Ground clearance	450 mm
Angle of approach	36°
Angle of departure (step folded)	36°

Transportability

Air (with preparation)	C130 with turret
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Mass and payload

Tare (excluding options)	9,800 kg
Combat mass (all options)	13,800 kg
Total payload	5,200 kg
GVM (Host truck)	15,000 kg

Interior layout

APC	Up to 12 Seats
	Left or right hand drive
	APC, Command and Ambulance variants

Performance

Maximum speed	110 km/h
Gradeability	60%
Turning circle (kerb to kerb)	15 m

Crew Protection

Ballistic protection	7.62x51 mm NATO and 7.62x39 mm AK, 5.56x45mm SS109 Ball
Mine protection	21 kg TNT @ any wheel and 14 kg TNT under the hull without any hull rupture or fatal crew injuries

Engine

Make	Turbo, Intercooled 5.88L
Emmissions / Fuel	Euro 3 / Diesel, 115 l tank
Maximum power	176 kW; 240 hp; 2,700 rpm
Maximum torque	810 Nm @ 1,200-2,100 rpm

Transmission

Make and gears	ZF 6S800, 6 spd manual
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Steering System

Model	Adjustable steering wheel
Type	Power assisted, ball

Suspension

Type	Parabolic leaf spring
Shock absorbers	Dual/wheel (option)
Anti roll bars	Front and rear fitted standard

Axles

Type	Beam axle, hub reduction
Diff locks	Front and rear (option)

Wheels and Brakes

Wheels	395/85 R20, steel rims
Service Brake	Drum brakes (meet EEC)
ABS and EBL	Fitted, 2 circuits
Engine brake	Standard exhaust brake

Electrical System

Electrical Capacity	90 Amp, 24 Volt
Control system	Digital (CAN-based)

Vehicle Options

Air conditioner and demister - front
Air conditioner and extractor fan - rear
Interior seat storage
Rifle brackets
Radio rack and antennae mountings
Transmission PTO drive
Front mounted winch - 9000 kg
Rear Mounted Spare wheel and side winch
Run Flat Inserts (RFI)
Add-on armour and spall liner
Fording kit
Hot climate customization
PA System, search light and roof security lights
Blackout system, convoy, marker and IR Lights
Dual battery system
Rear view camera
Pintle mount weapon mount - 7.62 / 5.56 mm
Remote 7.62mm turret
One man manual turret
Smoke launchers
Emergency evacuation stretcher loading system
C130 air transportability preparation kit
External stowage bins

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