

# RG35(4x4)

MINE PROTECTED MOTORISED INFANTRY VEHICLE

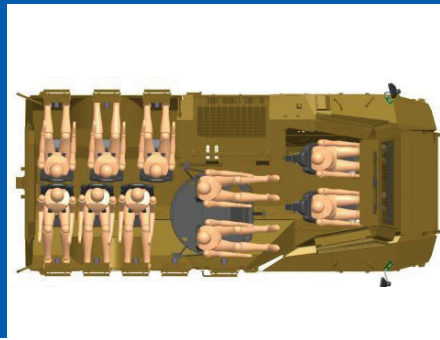


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DENEL VEHICLE SYSTEMS



The RG35 provides the essential balance between firepower, survivability, mobility and cost for modern, conventional and asymmetric operations.

Crew survivability is centred around a RG battle-proven "crew citadel" protection system, protecting against mine, IED and ballistic threats.

The RG35 vehicle architecture supports multiple missions. The vehicle can accommodate a full motorised infantry section, with a manned turret or remote weapon system.

The vehicle also provides cost-effective solutions for recce, patrol, utility and specialist roles, such as the ambulance variant.

#### Key features:

- Proven RG-survivability
- Extremely compact
- High internal volume
- High mobility
- Modern suspension and powertrain
- High power to weight ratio
- Modularity
- Excellent situational awareness
- Future technology insertions
- Powertrain growth path to 600hp
- RG35 4x4/6x6 family of vehicles

#### Dimensions

Length	5,964 mm
Width	2,600 mm
Roof height - dynamic	2,407 mm
Roof height - transport	2,250 mm
Hump radius	2,368 mm
Wheelbase	3,350 mm
Ground clearance	443 mm
Angle of approach (min)	53°
Angle of departure (min)	38°

#### Mass and payload

Tare (Stanag 4569A,L1)	14,100 kg
Payload	6,900 kg
Gross Vehicle Mass (GVM)	21,000 kg
Volume under armour	12 m3

#### Seating

Qty	Driver + 9
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#### Performance

Maximum speed	105 km/h
Gradeability	>60%
Turning circle (kerb to kerb)	15 m
Step climbing	600 mm
Trench crossing	1,050 mm

#### Protection Levels

Ballistic protection	Up to STANAG 4569 A Level 4
Mine protection	Up to STANAG 4569 B Level 4A/3B
IED side protection	Yes

#### Engine

Make	Cummins ISL
Maximum power	336 kW / 450 hp
Maximum torque	1,620 Nm @ 1,995 lbf.ft

#### Transmission

Make	ZF HP602; 6-speed automatic Integrated retarder
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#### Transfer Case

Make	BAE Systems LSSA
Type	2-speed; permanent

#### Steering System

Type	ZF Servocom Hydraulically assisted
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#### Axles

Make	AxleTech
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#### Suspension

Type	Double wishbone, independent
Spring damper	Hydro-pneumatic strut
Ride height adjustment	4-stage with display

#### Brakes

Service brake	Wabco air actuated disc brakes
Emergency brake	Spring actuated Pneumatic release; 60% gradeability

#### Road Wheels and Tyres

Type	Michelin 16.00R20 XZL
Run-flat	Hutchinson RFI
CTIS	Syegon 4-circuit

#### Electrical System

Voltage	28V DC
Power generation	600A
Digital body control system	
Onboard diagnostics	

#### Available Vehicular Options

- Fire suppression system (crew and engine compartments)
- Winterisation kit
- 1 250A engine-driven generator

#### Disclaimer

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