

# RG41

WHEELED ARMoured COMBAT VEHICLE



DENEL OMC

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DENEL VEHICLE SYSTEMS



RG41 is a new generation combat vehicle, that meets demanding mobility, protection and firepower requirements, with the emphasis on combat power.

The RG41 has a high payload capacity, a class leading protection to weight ratio and a unique field-repairable hull.

RG41 is designed as an affordable and highly-mobile, wheeled combat vehicle, suitable for modern warfare.

**Key features include:**

- A modular, field-repairable mine protected design
- High mobility with good ride comfort
- Best value for money in comparison to existing similar products
- ITAR free design comprising mainly of COTS (commercial-off-the-shelf) components
- High payload capacity (10 tonnes)

High mobility is achieved through the inclusion of a specifically adapted hydro-pneumatic suspension.

**Dimensions**

Length	7,780 mm
Width (hull)	2,800 mm
Height (hull)	2,380 mm
Hump radius	900 mm
Wheelbase	1,693 mm (1st – 2nd axles) 2,257 mm (2nd – 3rd axles) 1,550 mm (3rd – 4th axles)
Ground clearance	440 mm
Angle of approach	64°
Angle of departure	54°

**Mass**

Curb	18,200 kg
Payload	9,800 kg
Gross Vehicle Mass (GVM)	28,000 kg

**Seating**

Qty	11 (1 x driver, 1 x vehicle commander, 1 x gunner, 1 x section commander and 7 x section crew)
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\*For conventional turret layout

Safety belt	4 point harness
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**Performance**

Maximum speed	100 km/h
Gradeability	70%
Turning circle (kerb to kerb)	19 m

**Electrical System**

Voltage	24 v
Alternator	3 x 200 A

**Protection Levels**

Ballistic protection	STANAG 4569 Level 2 (Optional to Level 4/5)
Mine protection	STANAG 4569 Level 4A/3B (Optional to Level 4B)
IED protection	Protection level undisclosed

**Engine**

Make	Deutz
Model	2015TCD V6
Displacement	12 l
Maximum power (DIN)	390 kW @ 2,100 rpm
Maximum torque (DIN)	2,130 Nm @ 1,300 rpm

**Transmission**

Make	ZF5HP902
Type	5-speed with integral 2-speed drop-down

**Transfer Box**

Make	Denel (Gear Ratio)
Type	17,000 series

**Steering System**

Type	Twinsteer, power-assisted, fully-integral system
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**Wheel Heads**

Make	AxleTech
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**Suspension**

Type	Independent
Springs	Hydro-pneumatic strut
Shock absorbers	Hydraulic

**Brakes With integral shock absorber**

Main brake systems	Pneumatic disk brakes with ABS
Parking brake	Spring activated, air release disc brakes on all 4 rear wheels

**Road Wheels and Tyres**

Rim type	10.00R20 Aluminium
Tyres	16.00R20 Michelin XZL
RFI	Fitted (100 km range @ 50 km/h)

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