

The Springback Mine Resistant Ambush Protected (MRAP) range from DCD Protected Mobility is already delivering on its immense potential on the African continent.



This proven South African-developed ballistic and landmine protected all-terrain vehicle has been built with simplicity, crew comfort and protection, and cost-effectiveness in mind. The Springback delivers on its promises of ease of operation, maintenance and repair, while harnessing internationally available drive-line components for assured performance and parts availability.

The Springback derives its name from the iconic African antelope, known for its toughness and sure-footed dexterity and has been designed around the ergonomics of the driver and crew – specifically for the African market. This makes it ideal for a broad spectrum of security applications.

This family of vehicles is simplistic in design, easy to operate by users, affordable (purchasing costs and life cycle costs) and can be produced in different variants (applications). The concept in design is modular and interior fits can easily be changed.

To ensure that the customer benefits value for money during the useful life of the product, a long-term relationship is formed with the customer. Product support is supplied with professional training, the development of publications (manuals), supply of spares, implementation of Engineering Change Proposals (ECPs) and field support close to the customer.

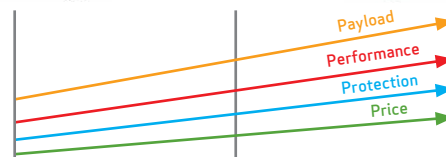
POWER & ADAPTABILITY

Depending on users' requirements, the Springback is available as a Standard (SD) version, Heavy Duty (HD) version and Xtra Duty (XD) version. The performance, payload and protection increases with each model. The Springback family of vehicles (Springback SD, HD and XD) is ideal for South Africa and the African continent. Peacekeeping missions can strategically benefit from this innovative and affordable concept.



SPRINGBACK XD

The permanent 4 x 4 Springback XD features a powerful Cummins 6 cylinder diesel turbo charged and intercooled engine and carries a driver and nine personnel. With ballistic protection upgradeable to STANAG level 3, the all-steel armoured V-shaped hull is certified against STANAG level 4a under any wheel and 3b under the hull. The standard configuration can be easily adapted to suit various applications including an ambulance, cash-in-transit, riot control or tactical patrol vehicle. With the addition of turret-mounted weaponry, the vehicle can also be effectively used in combat.



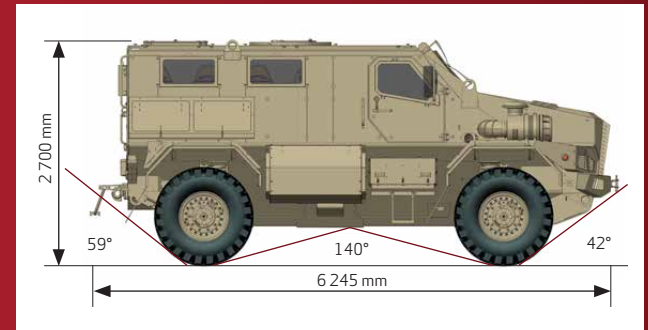
PPP data of DCD PM product range



DCD PROTECTED MOBILITY

PROTECTION

- 1 Ballistic Protection**
Up to STANAG level 3 by addition of exterior and interior add-on armour.
- 2 Blast Protection**
V-shape hull protects crew and driveline.
STANAG level 4a and 3b certified.
- 3 Weapon Platform**
Remote or manual type weapon station.
Available as an option.
- 4 Fire Protection**
Optional cabin and engine bay AFES.
Automatic or manual activation.



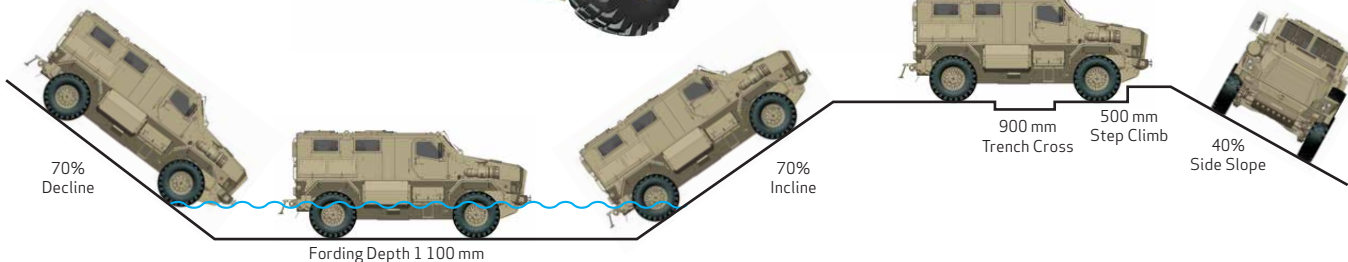
MOBILITY

- 1 Recovery**
Front and rear tow points.
Steel tow bar.
Optional A-frame to replace tow bar.
Optional 18 000 lb electric winch.
- 2 Suspension**
Double wishbone independent.
Coil over shock-absorbers.
Progressive coil springs.
350 mm travel (14 inch).
Superb ride quality.
- 3 Transportability**
One vehicle per 6 m container.
One vehicle per C - 130.
Lifting points.
Tie down points.
- 4 Steering**
Power assisted.
Four wheel steering option.
12.5 m turning radius.



VERSATILITY

- 1 Seating Options**
Standard 2 + 8 = 10 in total.
- 2 Storage**
Two large lockable side bins for equipment and spares.
Dedicated lockable tool bin including all basic tools and jack.
- 3 Cabin Access**
Two side doors. One rear door and two roof hatches.
- 4 Maintenance**
Platform type fenders and bumper provide easy access to engine bay.
- 5 Multi-role**
Lights, PA systems, smoke launchers and various other optional sub-systems allow the Springback to be used in a variety of roles.



Mass

Curb Weight:
16 500 lb (11 500 kg)

Payload:
7 700 lb (3 500 kg)

GVWR:
33 000 lb (15 000 kg)

Performance

Max Speed:
68 mph (110 km/h)

Max Acceleration:
0-30 mph (0-48 km/h) 11 sec

Power to Weight Ratio:
18 kw/ton at GVWR

Max Gradient:
35° (70%)

Max Side Slope:
22° (40%)

Range:
375 mi (600 km)

Operating Temp:
-26° F (-32° C) to 135° F (57° C)

Width:
2 510 mm

Ground Clearance:
350 mm

Turning Circle:
19 m

Electrical

24V / 200 A alternator

Powertrain

Engine:
Cummins ISB, 6 700 cm³

6 cylinder turbo diesel
intercooled

360 hp (268 kW) 810 lb-ft
(1 100 Nm)

Transmission:
Allison 3000SP 6 speed auto

Transfer Case:
2 speed for high and low range

Axles:
Independent solid axles with
front wheel steer
Option of CTIS

Brakes

Pneumatic dual circuit
Disc brakes all round
ABS

Wheels

14.00R20 with aluminium rims
3 piece run flat inserts as
standard

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