



EXPERIENCE THE DIFFERENCE
YOUR SECURITY & SAFETY PRODUCTS

APC4i

ARMoured PERSONNEL CARRIER RANGE





THE ARMoured PERSONNEL CARRIER (APC) RANGE

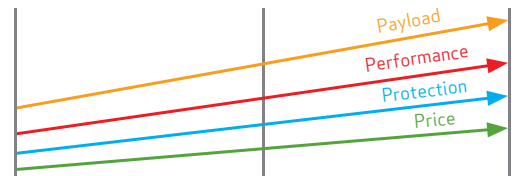
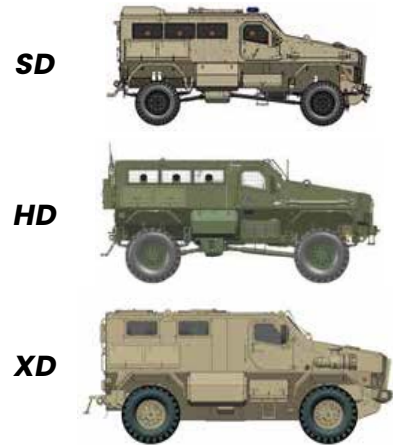
ballistic and landmine protected all-terrain vehicle has been built with simplicity, crew comfort and protection, and cost-effectiveness in mind. The APC4i delivers on its promises of ease of operation, maintenance and repair, while harnessing internationally available drive-line components for assured performance and parts availability.



The APC4i 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.



PPPP data of APC4i product range

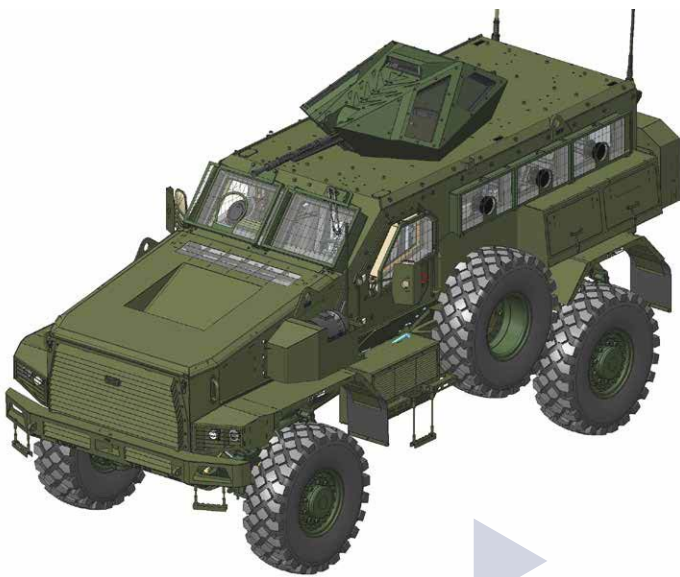
POWER & ADAPTABILITY

The permanent 4 x 4 APC4i HD features a powerful MWM 6 cylinder diesel turbo charged engine and carries a driver and ten personnel. With B6 ballistic protection upgradeable to STANAG level 3, the all-steel armoured V-shaped hull is designed to withstand a TM57 landmine directly under the hull, or two under any wheel. 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 turretmounted weaponry, the vehicle can also be effectively used in combat.

APC4i HD

Depending on users' requirements, the APC4i 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 APC4i family of vehicles (APC4i SD, HD and XD) is ideal for the African continent.

Peacekeeping missions can strategically benefit from this innovative and affordable concept.



PROTECTION

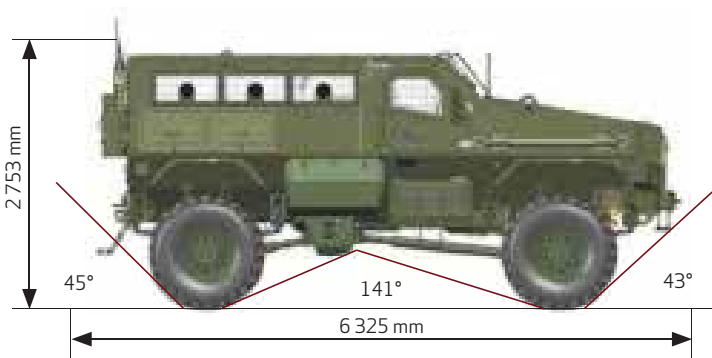
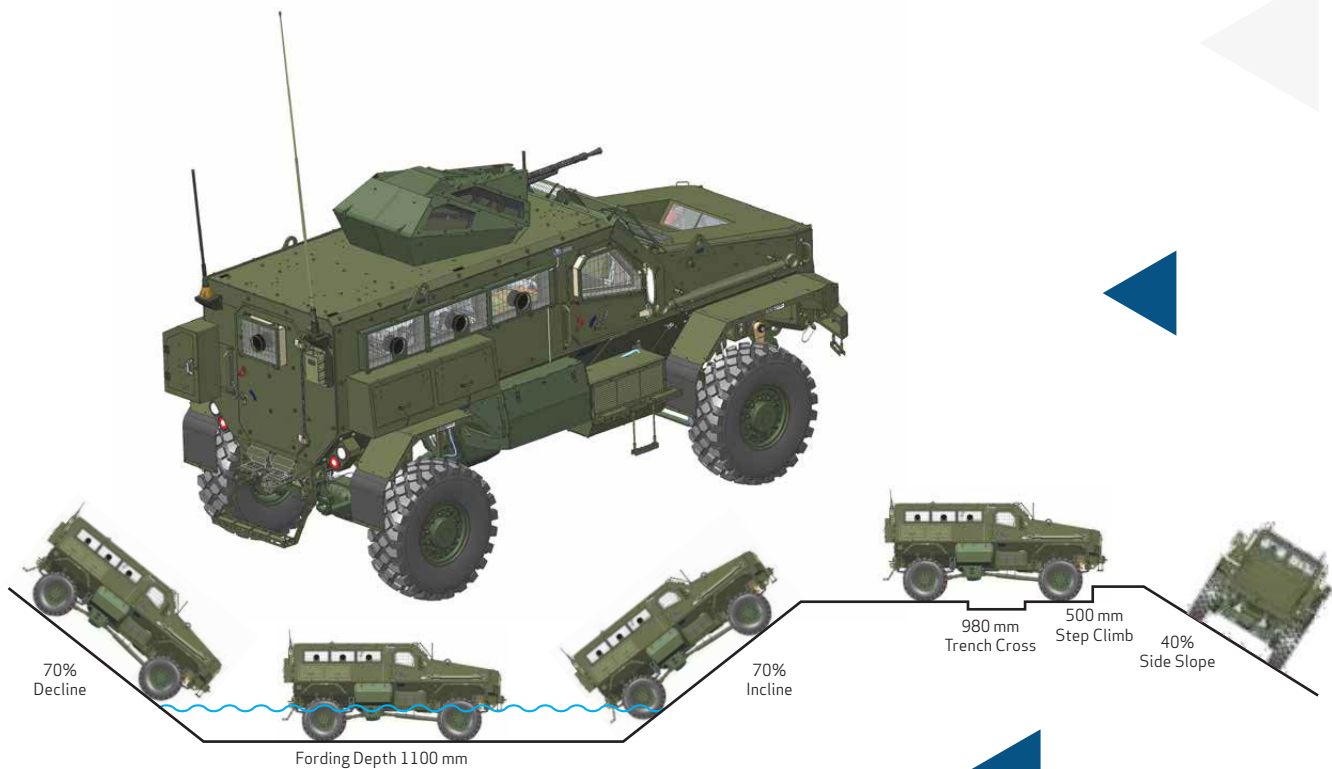
- 1 Ballistic Protection**
Up to STANAG level 3 by addition of exterior and interior add-on armour.
- 2 Blast Protection**
V-shape hull protects crew and driveline.
- 3 Weapon Platform**
Remote or manual type weapon station. Available as an option.
- 4 Fire Protection**
Optional cabin and engine bay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

MOBILITY

- 1 Recovery**
Front and rear tow points.
Steel tow bar.
Optional 18 000 lb electric winch.
Optional A-frame to replace tow bar.
- 2 Suspension**
Semi-elliptical robust leaf-springs.
Telescopic double-acting shock-absorbers.
- 3 Transportability**
Lifting points.
Tie down points.
- 4 Steering**
Power assisted.

VERSATILITY

- 1 Seating Options**
Standard 2 + 9 = 11 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 one roof hatch (depending on configuration).
- 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.



Payload:
4 400 lb (2 000 kg)

GVWR:
29 700 lb (13 500 kg)

Powertrain

Engine:
MWM 6.12 TCA, 7 200 cm³

6 cylinder turbo diesel
intercooled

286 hp (213 kW) 782 lb-ft
(1 060 Nm)

Transmission:
Allison 3000SP 5 speed auto

Transfer Case:
2 speed for high and low range

Axles:
Solid axles with front wheel
steer
Option of CTIS

Brakes

Pneumatic dual circuit
Disc brakes all round
ABS

Max Acceleration:
0-30 mph
(0-48 km/h) 15 sec

Power to Weight Ratio:
15.8 kw/ton at GVWR

Max Gradient:
35° (70%)

Max Side Slope:
22° (40%)

Range:
375 mi (600 km)

Operating Temp:
17° F (-8° C) to 104° F (50° C)

Width:
2 637 mm

Ground Clearance:
400 mm

Turning Circle:
21 m

Electrical

24 V / 120 A alternator

Wheels

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

APC4i SD

Depending on users' requirements, the APC4i 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 APC4i family of vehicles (APC4i SD, HD and XD) is ideal for the African continent.

Peacekeeping missions can strategically benefit from this innovative and affordable concept.



PROTECTION

- 1 Ballistic Protection**
En 1063 Level B6 as standard.
- 2 Blast Protection**
V-shape hull protects crew and driveline.
- 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.

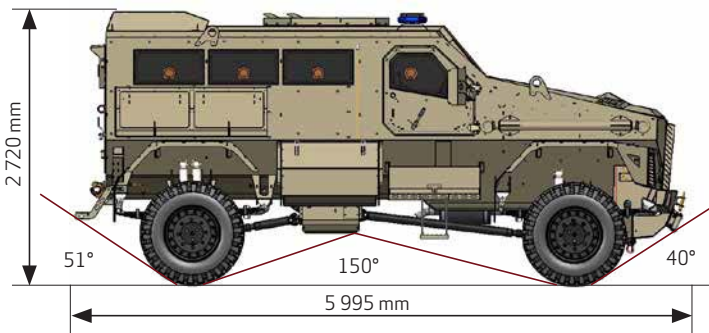
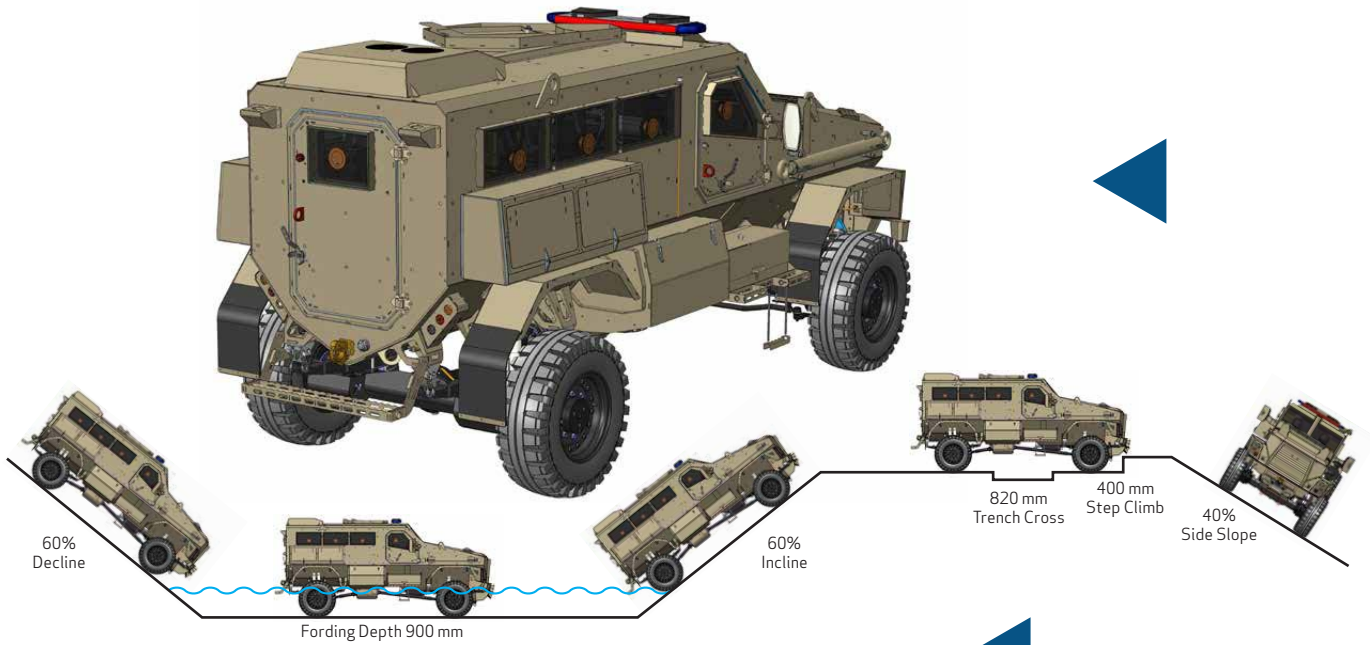


MOBILITY

- 1 Recovery**
Front and rear tow points.
Steel tow bar.
Optional 18 000 lb electric winch.
Optional A-frame to replace tow bar.
- 2 Suspension**
Semi-elliptical robust leaf-springs.
Telescopic double-acting shock-absorbers.
- 3 Transportability**
One vehicle per 6 m container.
Lifting points.
Tie down points.
- 4 Steering**
Power assisted.

VERSATILITY

- 1 Seating Options**
Standard 2 + 9 = 11 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 one roof hatch (depending on configuration).
- 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.



Curb Weight: 19 580 lb (8 900 kg)	Max Speed: 68 mph (110 km/h)
Payload: 1 760 lb (800 kg)	Max Acceleration: 0-30 mph (0-48 km/h) 16 sec
GVWR: 21 340 lb (9 700 kg)	Power to Weight Ratio: 14.8 kw/ton at GVWR
Powertrain	Max Gradient: 30° (60%)
Engine: MWM 6.10 T, 6 450 cm ³	Max Side Slope: 22° (40%)
6 cylinder turbo diesel	Range: 437 mi (700 km)
194 hp (144 kW) 466 lb-ft (632 Nm)	Operating Temp: 17° F (-8° C) to 104° F (40° C)
Transmission: Allison 1000SP 6 speed auto	Width: 2 360 mm
Transfer Case: 2 speed for high and low range	Ground Clearance: 350 mm
Axles: Solid axles with front wheel steer Option of CTIS	Turning Circle: 19 m
Brakes	Electrical 24 V / 80 A alternator
Pneumatic dual circuit	Wheels 335/80R20 with steel rims 3 piece run flat inserts as standard
Disc brakes all round	
ABS	

APC4i XD

The permanent 4 x 4 APC4i XD features a powerful Cummins 6 cylinder diesel turbo charged and inter-cooled 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.



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.

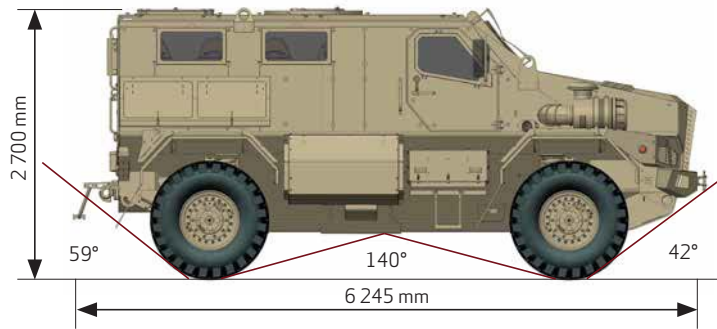
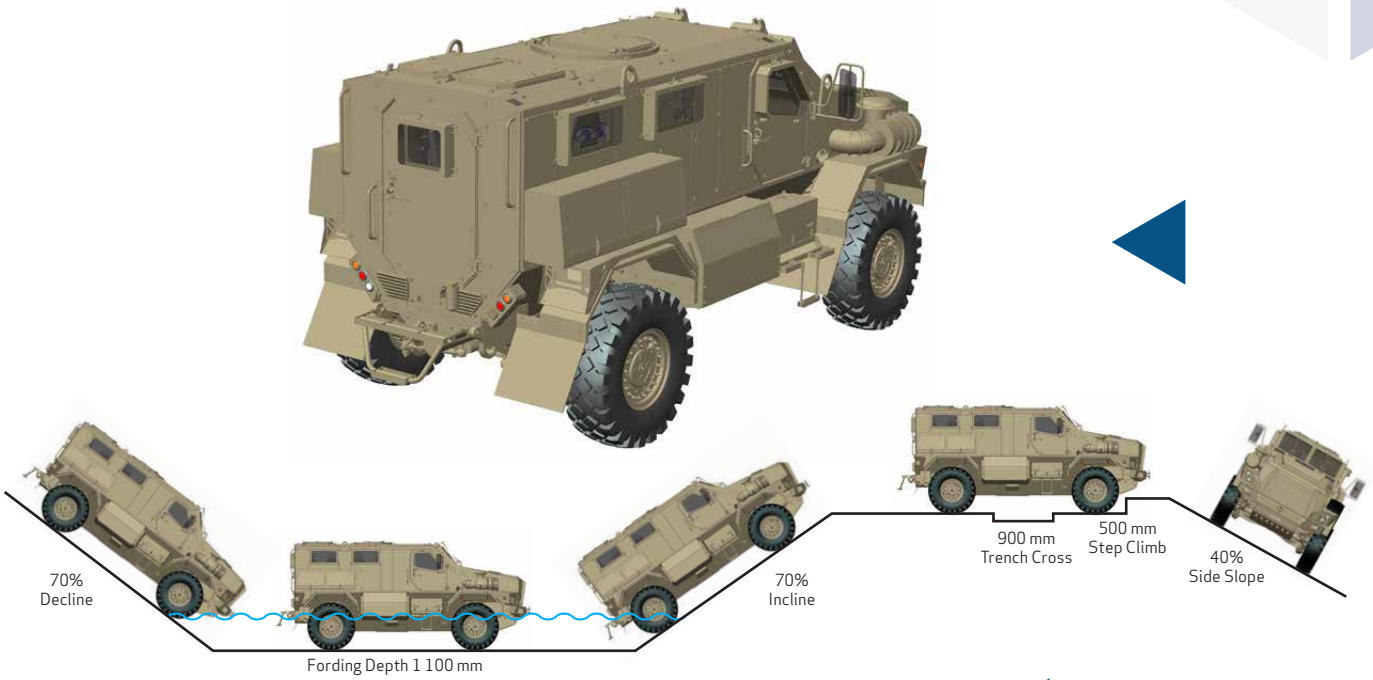


MOBILITY

- 1 Recovery**
Front and rear tow points.
Steel tow bar.
Optional 18 000 lb electric winch.
Optional A-frame to replace tow bar.
- 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 + 9 = 11 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 subsystems allow the APC4i 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)

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

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

Wheels

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



LEARN MORE: c4icommunication.com

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