



EXCALIBUR ARMY

ARMoured PERSONNEL
CARRIERS AND INFANTRY
FIGHTING VEHICLES

www.excaliburarmy.cz



ARMoured PERSONNEL CARRIERS AND INFANTRY FIGHTING VEHICLES



Our **armoured APCs and IFVs** comprise a range of tracked and wheeled vehicles for battle engagement, area control and a variety of tactical and special operations.

Our Šternberk facility is renowned for its history and experience in repairs, service, renovation, modernization and production of **BMPs, T-55/T-72 MBTs** and other numerous **armoured, artillery, engineering, military and special logistic vehicles**. In the recent years we have successfully started to cooperate in cross-national projects, e.g. the **PANDUR APC**.

We also develop our own solutions for infantry support and mobility and we have lately introduced the **MEXCA IFV** or **PATRIOT APC** vehicles.

High level of protection, efficient controls and effective reliable weapon systems are at the core of our development engineering.

OUR MISSION

04-05

ARMoured PERSONNEL CARRIERS AND INFANTRY FIGHTING VEHICLES

06-21

PATRIOT II
PATRIOT
TRITON
PANDUR II 8x8
BMP / MEXCA
BMP-1
OT-64 / SKOT
BRDM-2



**PROTECT
YOUR WORLD**



We believe in a peaceful world where people are free to live by their traditions and feel safe so they can live to the full extent of their dreams. Yet freedom and security are values that need to be protected.

EXCALIBUR ARMY designs, develops and produces a wide range of military vehicles and equipment. We strive to offer only high quality products and provide a variety of services for our customers all around the world. Our production and repair facilities have decades long tradition that reaches back to 1950s. All these years we have never ceased to understand the importance of military industry for national and international security and we are still standing proud by the code that of freedom in defence of which so many lives were lost.

Just as the soldiers of today, we would never wish for history to repeat. We admire their motivation, we are grateful for their determination and thankful for their service. Our first mission is to equip and protect those who have decided to protect you, your future, your world, your way of life and your peaceful traditions and values.

We are here to help you protect everything that is dear to you.

EXCALIBUR ARMY

PROLONGED VERSION

PATRIOT II offers various upgrades over the original PATRIOT, one of them being the prolonged and wider cabin with higher capacity for crew or special equipment.

ON-ROAD/OFF-ROAD MOBILITY

TATRA FORCE chassis, clearance adjustment on the go, automatic transmission for exceptional terrain performance... Yet vehicle is perfectly fit for common road traffic.

VERSATILE PLATFORM

Mission kit can be modified as per customer request.

CREW COMFORT AND SAFETY

Ballistic and anti-mine protection, A/C, NBC filtration system.

SAFETY & ENDURANCE

Fire-extinguishing system for the cabin and engine, anti-mine seats, optional jammers coupled with a long range of 700 km.

PATRIOT II

MULTI-PURPOSE PLATFORM FEATURING SUPERIOR OFF-ROAD MOBILITY

★ NEW PRODUCT |
 1+1+6 |
 110 KM/H |
 TATRA

The PATRIOT II is an upgraded modular wheeled combat tactical vehicle that features excellent mobility in difficult terrain thanks to the unique TATRA chassis. It offers wide range of mission kits and armament choices - remote or manually controlled machine guns, or even a 20 mm cannon with superior firepower, grenade launchers or ATGMs.

The vehicle provides a unified platform for the „PATRIOT family“ of defence and civil safety applications, such as reconnaissance, special operations, communications, command and control, chemical, medevac, EOD, PSYOPS, riot control, and of course troops transport or direct combat. Any configuration is possible for the PATRIOT.

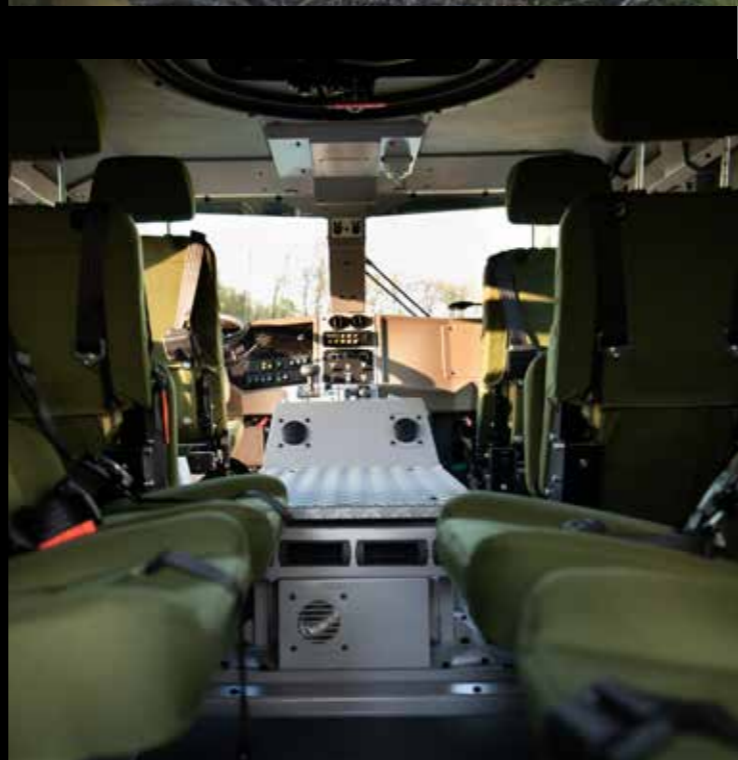
BALLISTIC PROTECTION

Level 2 - 4 STANAG 4569



ANTI-MINE PROTECTION

Level 2a/2b - 3a/3b STANAG 4569



TATRA CHASSIS - HIGH PAYLOAD & GREAT MOBILITY

Weapon station ARX 20 application by Nexter Systems

PARAMETERS		
weight		13.5 - 17.5 t (per vehicles type of protection and equipment)
dimensions	L	6,250 mm
	W	2,550 mm
	H	2,800 mm
engine	wheelbase	3,650 mm
	type A	Cummins ISL / water-cooled
	type B	Tatra T3C-928-90 / air-cooled
mobility	output A	270 kW
	output B	300 kW
	top speed - on road	110 km/h
	top speed - off road	45 km/h
	cruising range	700 km
	fording depth (instant)	1.2 m
	gradient	45°
	side slope	33°
	vertical obstacle	0.5 m
	trench crossing	0.9 m

SPECIFIC PARAMETERS		
armament	main	up to 20 mm RCWS
	options available	7.62 mm / 12.7 mm / 14.5 mm manned gun turret
		mortar (pick-up vehicle version)
		AG/SG launchers
		ATGM launchers

ON-ROAD/OFF-ROAD MOBILITY

TATRA FORCE chassis combined with the relatively light superstructure and compact size render PATRIOT a perfect fit for rapid deployment. Very stable even in high speeds and off the well paved roads – on which PATRIOT wouldn't drag behind either.

PATRIOT

MULTI-PURPOSE PLATFORM FEATURING SUPERIOR OFF-ROAD MOBILITY

VERSATILE PLATFORM

Mission kit can be modified as per customer request.

1+1+4 | 110 KM/H | TATRA | EA

PROTECTION

Crew comfort and safety - ballistic and anti-mine protection, A/C, NBC filtration system.

SAFETY & ENDURANCE

Fire-extinguishing system for the cabin and engine, anti-mine seats, long range of 500 km.

SUITABLE FOR EVERY ENVIRONMENT

Optional engines - air/water cooled, mission kits and other customization as required.



BALLISTIC PROTECTION

3 - STANAG 4569



ANTI-MINE PROTECTION

2a/2b - STANAG 4569



PARAMETERS

weight		12.0 t
dimensions	L	6,100 mm
	W	2,225 mm
	H	2,700 mm
engine	wheelbase	3,500 mm
	type A	Cummins ISBe / water-cooled
	type B	Tatra T3C-928 / air-cooled
mobility	output A	210 kW
	output B	230 kW
	top speed - on road	110 km/h
	top speed - off road	45 km/h
	cruising range	500 km
	fording depth (instant)	1.2 m
gradient	45°	
side slope	33°	
vertical obstacle	0.5 m	
trench crossing	0.9 m	

TATRA CHASSIS

Outstanding mobility and obstacle crossing capabilities - high speed in rough terrain conditions. Variable ground clearance thanks to air suspension system.

SOFT-TOP (CABRIO VEHICLE VERSION)

Special operations variant is available - an example of the PATRIOT's modularity.

SPECIFIC PARAMETERS

armament	main	14,5mm RCWS (Nexter)
	options available	7.62mm / 12.7mm / 14.5mm manned gun turret
		mortar (pick-up vehicle version)
		AG/SG launchers



CONTROL PANEL

Cabin driver control panel includes both NBC and A/C controls as well as Téléflow CTIS enabling change in tyre pressure during driving. The vehicle is further equipped with the all-round view camera system.

ACCESSORIES AND EQUIPMENT

The vehicle includes fire fighting items at the rear part of the superstructure storage compartment. Part of equipment is an electric winch with 5 tons pull, 30 m long rope and 10 m control cable.

PUMPING DEVICE

Vehicle is equipped with a pump with a 1,500 l/min nominal flow, 2,000 l water tank and bumper fire monitor.

SEARCHING LIGHT

Rotating searching light with a 3,000 lm luminous flux controlled from the crew cab is located at the vehicle rooftop. The searching light is rotating 270° horizontally and 120° vertically.

BUMPER FIRE MONITOR

The vehicle is equipped with the ALCO APF2-DC bumper fire monitor at the front-end section controlled from the crew cab.

SELF-PROTECTIVE NOZZLES

The vehicle is equipped with water cooling installation as a heat protection. Set of nozzles ensures surface cooling of superstructure body and crew cab with optional timer setting.

TRITON

CZS 15

SPECIAL EMERGENCY SERVICES SUPPORTING VEHICLE

★ NEW PRODUCT |
 2+2 |
 110_{KM/H} |
 2,000_L

TRITON is a specialty improved command-reconnaissance vehicle designed to support the civil sector emergency services. Specific vehicle design ensures operation at extreme terrain conditions and environment with high degree risk to safety of water engine, chassis and fire-extinguishing technology.

Vehicle has been designed to be deployed in:

- areas where unexploded explosive ordnance may occur
- areas where pressure bottles and containers may occur
- areas to remove residues after a terrorist attack
- chemical and petrochemical plants
- large-scale natural disaster especially forest fire
- contaminated zones for research and monitoring
- usual low-risk locations, if its service is required if needed

PARAMETERS

weight		13.5 - 15 t (per vehicles type of protection and equipment)
dimensions	length	6,250 mm
	width	2,550 mm
	height	2,800 mm
	wheelbase	3,650 mm
engine	type	TATRA T3C-928.90 / air-cooled
	power	300 kW
mobility	top speed - on road	110 km/h
	top speed - off road	45 km/h
	cruising range (no fuel cans)	600 km
	fording depth (instant)	1.2 m
	gradient	45°
	static side slope	30°
	vertical obstacle	0.5 m
trench crossing	0.9 m	

SPECIFIC PARAMETERS

pumping device - THT PJA 1500 pump	nominal flow	1,500 l/min
	nominal manometer pressure	1,0 MPa
	nominal suction head	3 m
tank		2,000 l
fender nozzle	type	ALCO APF 2-DC
	nozzle	MTV 2000
	foam extension	SWA 2000
	control	remote control (joystick)

BALLISTIC PROTECTION

Level 2



MINE PROTECTION

Level 2a/2b



OPTIMAL CREW SAFETY & COMFORT

Air-conditioning, comfortable seats, hydraulic ramp, independent wheel suspension. Optimized STANAG 4569 and NBC protection.

PANDUR II

MULTI-PURPOSE WHEELED ARMoured PERSONNEL CARRIER FEATURING SUPERIOR OFF-ROAD MOBILITY

* **4+7** | **105** KM/H | **10** KM/H | 

PANDUR vehicle was developed upon the Czech Army request but the platform has already been well-proven in the armies worldwide.

The amphibious wheeled armoured personal carrier with armour and waterproof body is capable of effective water gap, water reservoir or coastal water crossing. PANDUR vehicle has proven itself with superior off-road mobility, maneuverability and high reliability and resistance. In addition to the basic personal carrier function, the vehicle can be modified and fitted with various types of weapon stations up to 105 mm calibre, the mortar or other special equipment.

* Crew and troop capacity depends on the configuration. W/o turret the vehicle carries up to 2+12.

DESIGNED FOR OFF-ROAD

High off-road mobility capabilities, heavy duty chassis, break steering, CTIS and ADM for perfect power delivery and great swimming abilities.

EFFICIENT MOBILITY

Low fuel consumption extends the cruising range for easier long distance deployment.

UPGRADES AVAILABILITY

A range of upgrades for easier maneuverability (e.g. automatic transmission), firepower and protection enhancement.



BALLISTIC PROTECTION

Level 1-4 / STANAG 4569



ANTI-MINE PROTECTION

Level 1-4 - STANAG 4569



AVAILABLE CONFIGURATIONS

- AMPHIBIOUS INFANTRY CARRIER
- INFANTRY FIGHTING VEHICLE
- MORTAR OR ATGM CARRIER
- COMMUNICATION VEHICLE
- RECONNAISSANCE VEHICLE (RADAR OPTIONAL)
- ENGINEERING VEHICLE
- ARMoured AMBULANCE
- COMMAND POST

PARAMETERS

weight		18.7 t
dimensions	L	7,384 mm
	W	2,670 mm
	H	3,987 mm
engine	type	Cummins Diesel ISLe T450 HPCR
	output	335.6 kW
mobility	top speed - on road	105 km/h
	top speed - off road	32 km/h
	cruising range	700 km
	fording depth (instant)	1.5m / swimming ability (AMPH configuration)
	gradient	35°
	side slope	30°
	vertical obstacle	0.6 m
	trench crossing	2.2 m

RCWS SAMSON MK II ADVANTAGES

under armor reloading

- low silhouette
- wide range of weapons portable
- optional ATGM and SGL effectors
- 360° traverse, -20° to +70° elevation (vehicle restrictions may apply)



SPECIFIC PARAMETERS

armament (standard)	main	30 mm automatic cannon Mk 44 / SPIKE-LR ATGM
other options available	secondary	7.62 mm coaxial MG FN MAF (M240)
		76 mm SGL type Wegmann /8 units/

INCREASED PROTECTION

Level 2, optionally higher.

EASIER HANDLING

Automated transmission, decrease of driver's workload, easier vehicle handling.

ENLARGED INTERIOR

Bigger compartment and improved interior arrangement to transport the unit, advanced ergonomics, troops boarding and exit much more effective.

OPEN ARCHITECTURE

Enabled versatility to installation of weapon systems, passive and active protection, communication systems and other military technology.

PLATFORM CONSISTENCY

Spare parts and servicing procedures highly consistent with the original BMP-1 and BMP-2 platform, especially chassis and transmission mechanisms and vehicle turning mechanism.

MEXCA

A MODERN, STRONGER AND SAFER BMP YET WELL COMPATIBLE WITH BMP-1 AND BMP-2

3+6 | 65 KM/H | EA

The armoured tracked infantry fighting vehicle has been designed to transport infantry troops to the battlefield and to provide direct fire support, including engagement against enemy armoured vehicles.

Featuring the **increased level of ballistic protection**, high and easy maneuverability and possibility to fit wide range of special systems, the vehicle has been pre-determined for deployment at asymmetric missions.

The platform can be fitted with many different types of mission kits - recon, engineering, medical, recovery, workshop, communication and information, command and staff and other.

BALLISTIC PROTECTION

3 - STANAG 4569



ANTI-MINE PROTECTION

2a/1 - STANAG 4569



BACK RAMP

Removes the disadvantage of the original solution and allows an easy entry by the troops.



PARAMETERS

weight		18.8 t
dimensions	L	6,753 mm
	W	3,047 mm
	H	2,760 mm
engine	type	Caterpillar C9.3
	output	300 kW
mobility	top speed - on road	65 km/h
	top speed - off road	45 km/h
	cruising range	400 km
	fording depth (instant)	1.3 m
	gradient	35°
	side slope	30°
	vertical obstacle	0.7 m
	trench crossing	2.5 m

SPECIFIC PARAMETERS

armament	turrets	TURRA 30 turret
	options available	SAMSON MK II or DVK 30 gun turret
	weapons	stabilized 30mm 2A42 / CZ-30 autocannon
		7.62mm PKT coaxial machine gun

THOROUGHLY MODERNIZED INTERIOR

New ballistic seats and more space for the whole crew and new controls for driver, commander and gun operator.



BMP-1

MANEUVERABILITY

Excellent maneuverability and superior off-road capability, high travel speed.

A RENOWNED CLASSIC AND BATTLE PROVEN INFANTRY SUPPORT VEHICLE

3+8  |
 6-23MM  **ARMOUR** |
 65 KM/H  |
 7 KM/H 

VERY EFFECTIVE VEHICLE

Highly reliable, ease of control, simple design.

PROVEN DESIGN

Timeless concept and the overall arrangement whilst keeping the low-silhouetted vehicle profile.

The BMP-1 is an amphibious tracked infantry fighting vehicle designed to transport the troops to the battlefield and to provide direct fire support, including engagement against enemy armoured vehicles.

The platform features high maneuverability and excellent off-road capability. With regard to the vehicle armament / 73 mm 2A28 Grom gun firing HEAT rounds and launcher for the 9M14 Maljutka ATGM/ it is often classified as the „Tank Destroyer“.

AMPHIBIOUS CAPABILITY

Vehicle suitable for immediate fording and water obstacle crossing.

AMPHIBIOUS CAPABILITY

The BMP-1 is amphibious, propelling itself in the water using its tracks, assisted by hydrodynamic fairings on the track upper side covers.

Top swimming speed is 7 km/h.

LIFE-CYCLE EFFICIENCY

Large spare parts availability.



PARAMETERS

weight		13t
dimensions	L	6,735 mm
	W	2,940 mm
	H	1,924 mm
engine	type	UTD-20
	output	220 kW
mobility	top speed - on road	65 km/h
	top speed - off road	45 km/h
	cruising range	600 km
	fording depth (instant)	swimming ability
	gradient	35°
	side slope	25°
vertical obstacle	0.7 m	
trench crossing	2.0 m	

SPECIFIC PARAMETERS

armament	main	73 mm semi-automatic gun 2A28
		9M 14M ATGM (Maljutka) / optionally without the launcher
	secondary	7.62 mm PKT coaxial machine gun



UTD-20

6-CYLINDER
V 120 DEGREES
DIRECT INJECTION
4 STROKE
WATER COOLED

OT-64

RUGGED AND EASY-TO-HANDLE VEHICLE, USED IN 15 COUNTRIES OF EUROPE, AMERICA, ASIA AND AFRICA AS WELL AS FOR UNITED NATIONS MISSIONS

SPACE FOR TROOPS

Enabling transport of greater number of troops/crew members.

3+8  |
 6-15MM  **ARMOUR** |
 95 KM/H  |
 9 KM/H 

EASY TO HANDLE

Easily maneuverable.

AMPHIBIOUS CAPABILITY

Vehicle is suitable for immediate fording and water obstacle crossing.

GOOD MOBILITY

Superior floating capabilities. High road and off-road speed.

The OT-64 SKOT /“medium wheeled armoured carrier“/ is an amphibious armoured personnel carrier, developed jointly by Czechoslovakia and Poland.

The 8x8 buoyant four-axle platform featuring armoured and watertight hull has been designed to transport the infantry to the battlefield.

The SKOT 2A variant also provides direct fire support /fitted with the armoured movable gun turret from the BTR-60 PB armed with the 14.5 mm KPVT heavy machine gun and the 7.62 mm PKT coax machine gun/.

LARGE CAPACITY

This armoured personnel carrier has a crew of 2-3 and accommodates up to 18 fully-equipped troops (non-turreted version) - amount depending on the version of the vehicle.



LAYOUT

The troop compartment is located at the hull rear. Soldiers dismount via rear doors or roof hatches. Commander and driver dismount via their individual side or roof hatches. There are firing ports provided for the troops.



PARAMETERS

weight		12.2t
dimensions	L	7,440 mm
	W	2,500 mm
	H	2,060 mm / 2,780 mm with turret
engine	type	TATRA 928-14
	output	132.5 kW
mobility	top speed - on road	95 km/h
	top speed - swimming	9 km/h
	cruising range	700 km
	fording depth (instant)	swimming ability
	gradient	35°
	side slope	43°
	trench crossing	0.4 m

SPECIFIC PARAMETERS

armament	main	14.5 mm KPVT heavy machine gun
	secondary	7.62 mm PKT coaxial machine gun



BRDM-2

LIGHTWEIGHT, HIGH-MOBILITY AND AFFORDABLE SUPPORT VEHICLE

GREAT TERRAIN PERFORMANCE

Very agile in rural lands and various off-road terrain. Wider trench crossing capability.

4 crew | 105 KM/H on road | 10 KM/H in water

EASY ROAD DEPLOYMENT

High road speed and cruising range.

EASY TO PROCURE

Affordable vehicle and armament.

AMPHIBIOUS CAPABILITY

Vehicle suitable for immediate fording and water obstacle crossing.

The BRDM-2 is an amphibious armoured patrol vehicle featuring the 4x4 all-wheel drive conception. It has two pairs of belly wheels lowered by the driver to allow trench crossing.

The vehicle has been designed as light reconnaissance and command vehicle. The BRDM-2 well-proven platform was further deployed as a carrier of special mission kits intended mostly for combat reconnaissance and radiation and chemical reconnaissance and also as a carrier of fire support to combat arms, the 9P133 (9K11 Maljutka), 9P148 (9K113 Konkurs and 9K111 Fagot) ATGM and the 9P31M (9K31 Strela-1M) AAGM launching platform, artillery observation and other.



LAYOUT

The driver's and commander's stations are in the front of the vehicle, with the driver positioned on the left and commander on the right. Both of them sit in front of a bulletproof windscreen, which provides them with their primary view of the battlefield. When in combat, the windscreen can be additionally protected by twin shutters, armoured shutters.



HIGHLY MOBILE VEHICLE

It has two pairs of chain-driven belly wheels lowered by the driver, which allow trench crossing, and a centralized tire pressure regulation system, which can be used to adjust the tire pressure of all four tires or individual tires while the vehicle is in motion to suit to the ground conditions.

PARAMETERS

weight		7 t
dimensions	L	5,750 mm
	W	3,415 mm
	H	2,310 mm
engine	type	Gaz-41 V8
	output	103 kW
mobility	top speed - on road	95 km/h
	top speed - off road	30 km/h
	cruising range	750 km
	fording depth (instant)	swimming ability
	gradient	60°
	side slope	30°
	vertical obstacle	0.4 m
	trench crossing	1.25 m

SPECIFIC PARAMETERS

armament	main	14.5 mm KPVT heavy machine gun
	secondary	7.62 mm PKT coaxial machine gun



**PROTECT
YOUR WORLD**

www.excaliburarmy.cz



**EXCALIBUR
ARMY**

EXCALIBUR ARMY spol. s r.o.
Kodaňská 521
101 00 PRAHA 10
Czech Republic

EXCALIBUR ARMY spol. s r.o.
Olomoucká 1841/175
785 01 ŠTERNBERK
Czech Republic

e-mail: sales@excaliburarmy.cz
tel: +420 585 083 111

EXCALIBUR ARMY spol. s r.o.
Tovární 1553
535 01 PŘELOUČ
Czech Republic

EXCALIBUR ARMY spol. s r.o.
Čepí 101
533 32 ČEPI
Czech Republic

member of | **CSG**
CZECHOSLOVAK GROUP