



TATRA TAKES YOU FURTHER

**TATRA
FORCE**

**MILITARY TRUCKS
FOR EVERY MISSION**



TATRA
FORCE

TATRA TAKES YOU FURTHER

OVER THE TERRAIN AND CROSS COUNTRY

TATRA trucks are designed for operation on extreme terrain and in severe climatic conditions, carrying out and supporting peacekeeping missions and deployment in combat operations.

TATRA trucks are designed with emphasis on military vehicle requirements according to the standards applied by NATO and armies worldwide, including the Czech Republic army. In addition, the vehicle design respects safety civilian legislation requirements, and these models can be used as a special-purpose chassis in the civilian sector, for example cranes, wreckers, firefighting trucks, or oil field vehicles.

TATRA FORCE
MUD EXPERT



BENEFITS

UNIQUE TATRA MOBILITY

The outstanding driving performance of the **TATRA chassis** on difficult terrains and its resistance to torsion, flexion and vibrations makes **TATRA** vehicles extremely suitable for transporting not only people, but also special and sensitive military material and special-purpose truck bodies, such as ammunition transport containers, electronic equipment, radars and other special containers and box bodies.



Reliable transport of crews, men and material in all weather and external climatic conditions



Universal chassis suitable for assembly with various special superstructures



Perfect, safe and always successful driving in any terrain, from improved roads and pavements, to unpaved roads, to the most difficult terrain where no roads exist



High level of powertrain options from in-house units to engines with global transmission units



High level of operational safety and security for crew lives when performing special tasks and dealing with complex foreseen and unforeseen situations



Above-average life and durability and low LCC (Life Cycle Cost)



High level of commonality of the chassis from 4x4 through 12x12 and more



Possibility to supply chassis to implement customer systems and solutions



CHASSIS

UNIQUE TATRA CONCEPT

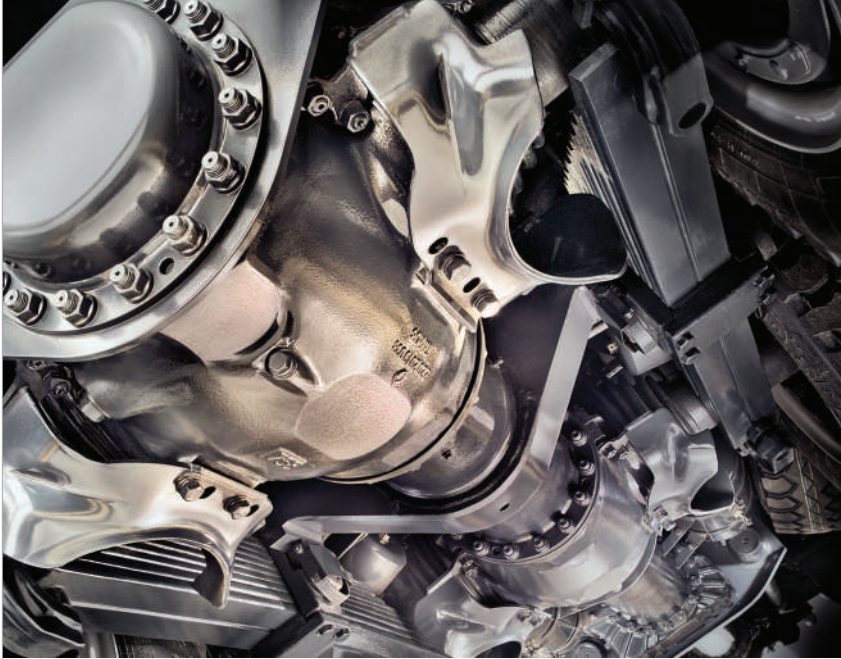
As a characteristic feature of the **TATRA** chassis is the central backbone tube, which houses the individual propeller shafts and differentials. This unique solution is complemented by **independently swinging half-axes** and **air suspension** on all axles, which give **TATRA** trucks unsurpassed driving characteristics.

Independently swinging half-axes

- Vibrations - reduced by up to 35% lower than on a rigid axle vehicle on rough roads
- Low tilting torque, high driving stability

Central backbone tube

- High torsional and bending rigidity
- Modular system allowing the production of multi-axle vehicles according to customer requirements
- Driveline shafts protected from external influences
- Low operating costs



Benefits

- The chassis is simple, robust, and is designed for limited maintenance over the life of the vehicle
- All driveline components are encased in the backbone tube and protected against damage and environmental contamination
- Due to the stiff chassis design, the superstructures can be hard mounted to the chassis
- The swinging axles have the best roll stiffness (over wishbone and rigid axles)
- In comparison with conventional vehicles, TATRA trucks provide exceptional performance, higher ride quality, durability, and reliability in off road conditions
- The limp-home function with a punctured tire or damaged wheel (except for two-axle trucks)

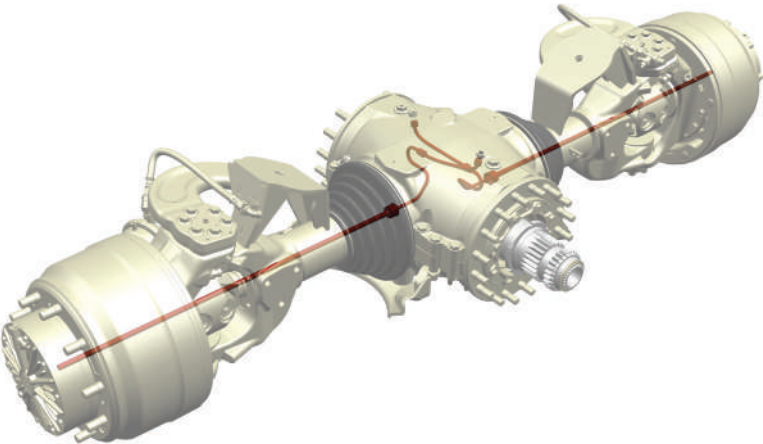
AXLES

The individual swing axles are independently **flexible to the terrain**. The chassis is able to reach higher speeds off-road and withstand difficult terrain conditions.

Further advantage of the axles, is the independent Central Tire Inflation System (**CTIS**). Guidance is built inside the axle routed through the inside of the axle shafts, to the individual tires. The CTIS allows the tires to be inflated during the drive, as required.

According to the chassis requirements, it is possible to choose axles with or without hub reduction gears.

- Axles without hub reduction gears are suitable for use on roads and lighter terrain
- Axles with hub reduction gears are designed for heavy terrain, higher level of off-road drive parameters and high payload or high GCW



The chassis can be configured with **steerable driven** or **non-driven rear axles**, depending on customer requirements, weight and CoG of the superstructure installed for the possible turning radius.

For all chassis configurations with all steerable axles, a „crab” operation gear option is also available.

4x4			
6x6			
8x8			
10x10			
12x12			



SUSPENSION

AIR SUSPENSION AS A STANDARD

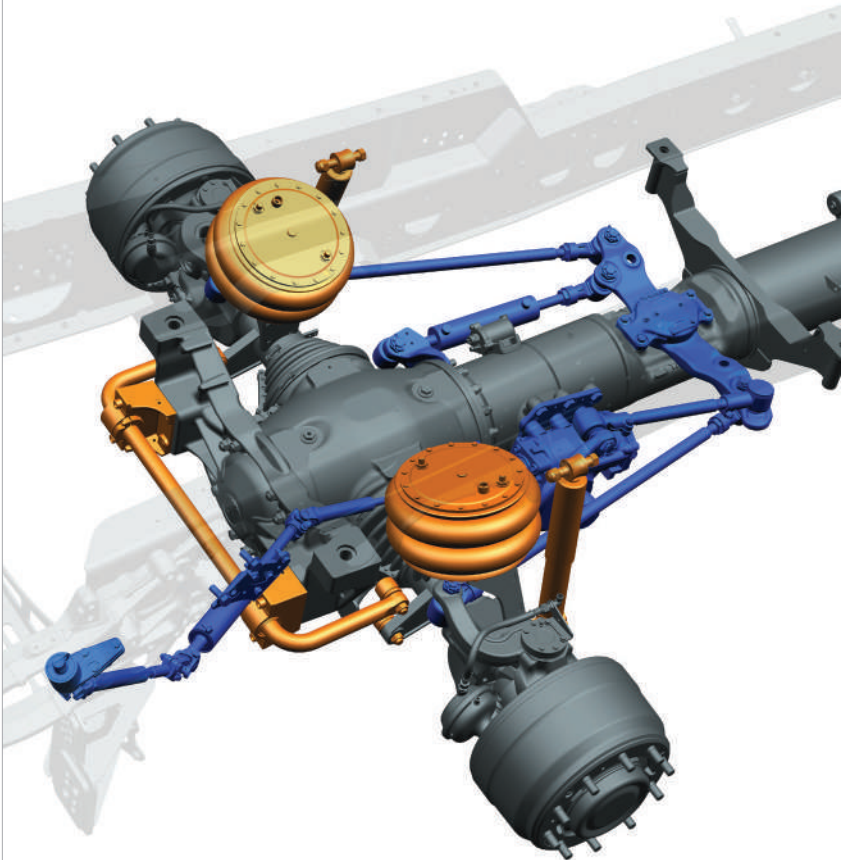
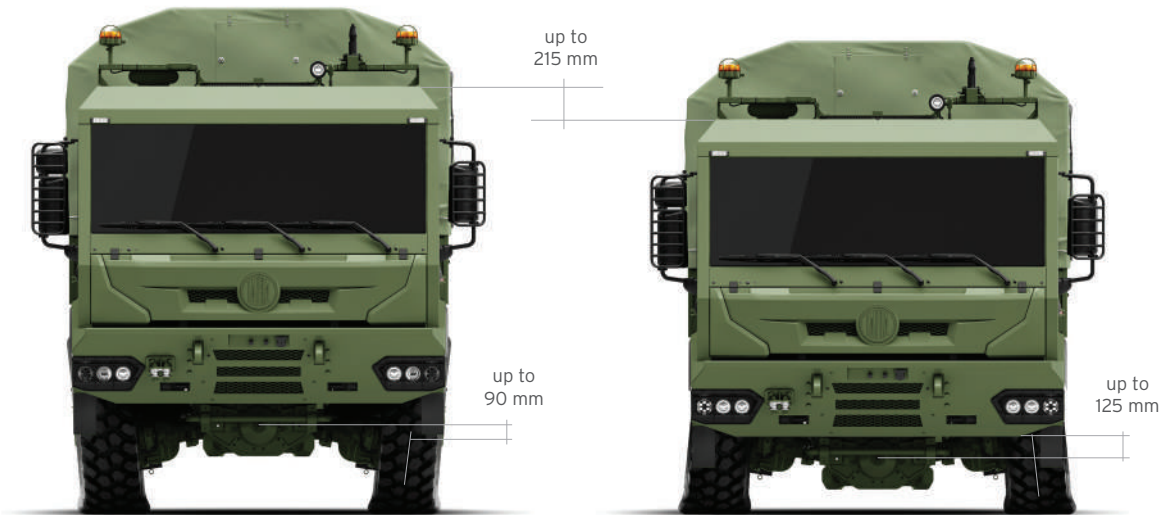
The **TATRA FORCE** vehicles primarily use air suspension or so-called combined suspension, where air bellows are combined with mechanical elements - coil or leaf springs.

The suspension of steerable axles is always air-type or combined. The rear axles can be equipped with air-type or combined suspension, and leaf spring suspension is also available for vehicles with stable and constant loads.

For very specific applications and on special request, hydropneumatic suspension can also be offered.

Benefits of chassis air suspension

- Low vibration levels and high driving comfort
- High cornering stability
- Constant ground (and overall) clearance for unladen and fully laden vehicles
- Possibility to change ground clearance (and overall height) and thus approach and crossing angles
- Possibility to lock the suspension from the driver's seat while driving



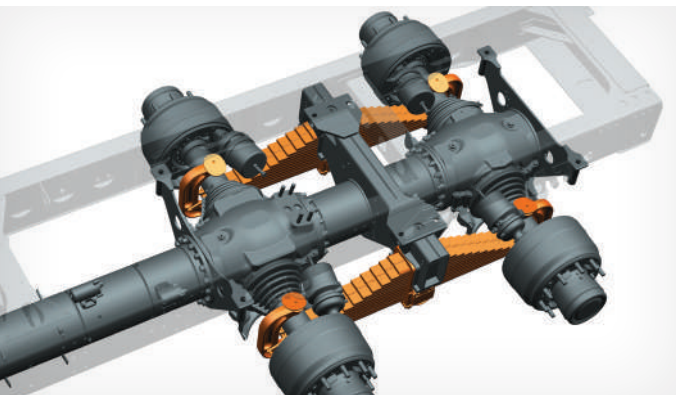
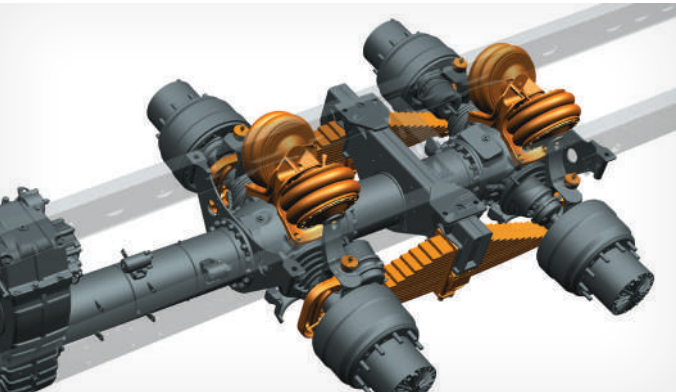
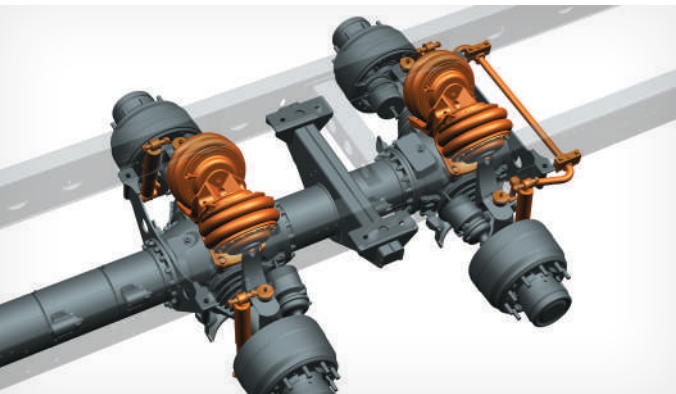
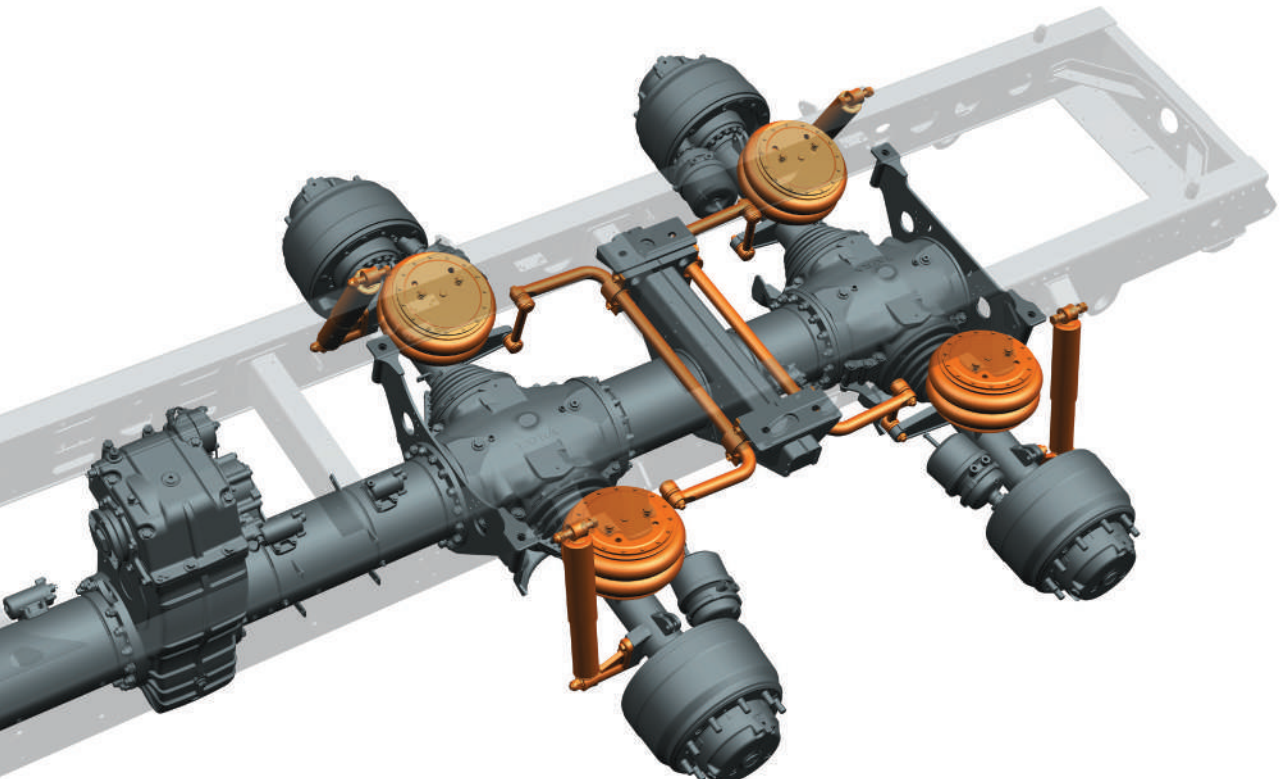
Steering axles

front and rear

- Air suspension with a maximum load capacity of 10 tonnes
- Combined suspension (air bellows with coil spring) with a maximum load capacity of 11.5 tonnes
- Always with telescopic shock-absorbers
- Sway bars - according to specification, driving profile and vehicle weight

Non-steered axles

- Air suspension up to a maximum load capacity of 10 tonnes, with telescopic shock absorbers and sway bars
- Combined suspension (air bellows with coil spring) up to a maximum load capacity of 12 tonnes, with telescopic shock absorbers and sway bars
- Heavy-duty combined suspension (air bellows with leaf springs) up to a maximum load capacity of 16 tonnes
- Leaf-spring suspension up to a maximum load capacity of 11.5 tonnes



SERVICE, TRAINING
CENTER, PARTS
26 - 27

CUSTOMIZED
CHASSIS, PROVEN
SOLUTION
23 - 25

CONFIGURATION,
GALLERY
14 - 22

ENGINES,
TRANSMISSIONS
12 - 13

CAB
INTERIOR
10 - 11

ADVANCED
CAB
08 - 09

SUSPENSION
06 - 07

CHASSIS,
AXLES
04 - 05

INTRODUCING,
BENEFITS
02 - 03

ADVANCED CAB

FOCUSED FOR SAFETY

TATRA FORCE cabs are designed with **crew safety** in mind and already offer above-average rollover protection in the basic version (basic ROPS level). They offer a very good view from the driver's seat and simple operation via the multifunction steering wheel and a combination of switches and display in the instrument panel.

A unique feature of TATRA FORCE cabs remains their low silhouette, making it easier to drive through wooded terrain without risk of major damage. Another lasting advantage is that in the basic two-door version with the engine mounted behind the front axle, they allow the transport of up to four people in one row.

Basic cab features

- Robust and durable construction of the basic unarmored cab in ROPS rollover protection level
- Two engine layout options
- Two-door design for up to 4 people in one row
- Four-door design for up to 6 people
- Variable roof design - including a version suitable for transport in a C-130
- Variable roof hatch design and location, including a gun mount option
- Dependent heating and A/C
- Independent heating on request
- CBRN unit on request



Your protection is our goal

All variants of TATRA FORCE vehicles are ready for the installation of standardized **armoured** cabs in various levels of **ballistic** and **mine protection** according to STANAG 4569.

Replacing the cab with a cab in the selected protection level is easy, quick and can be done in the field. The controls in the armoured cab are identical to the basic design, making them easy for the crew to operate.

- Easy and quick interchangeability of cabs
- Available in two- and four-door versions
- Basic cab skeleton in Level 1 according to STANAG 4569
- Higher protection level versions with add-on armouring
- Variants of roof hatches, including a gun mount option
- RCWS installation option
- CBRN, HVAC, independent heating



SERVICE, TRAINING
CENTER, PARTS
26 - 27

CUSTOMIZED
CHASSIS, PROVEN
SOLUTION
23 - 25

CONFIGURATION,
GALLERY
14 - 22

ENGINES,
TRANSMISSIONS
12 - 13

CAB
INTERIOR
10 - 11

ADVANCED
CAB
08 - 09

SUSPENSION
06 - 07

CHASSIS,
AXLES
04 - 05

INTRODUCING,
BENEFITS
02 - 03



CAB INTERIOR

NEW LEVEL OF COMFORT

The modern interior of **TATRA FORCE** cabs is designed with ergonomics and ease of use in mind. Of course, the steering column is adjustable in two axes, with mechanical or air control.

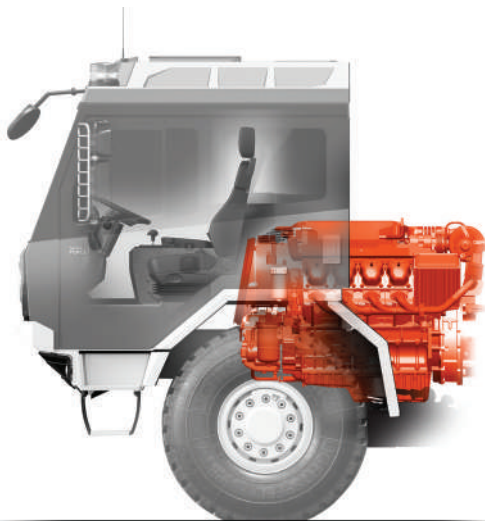
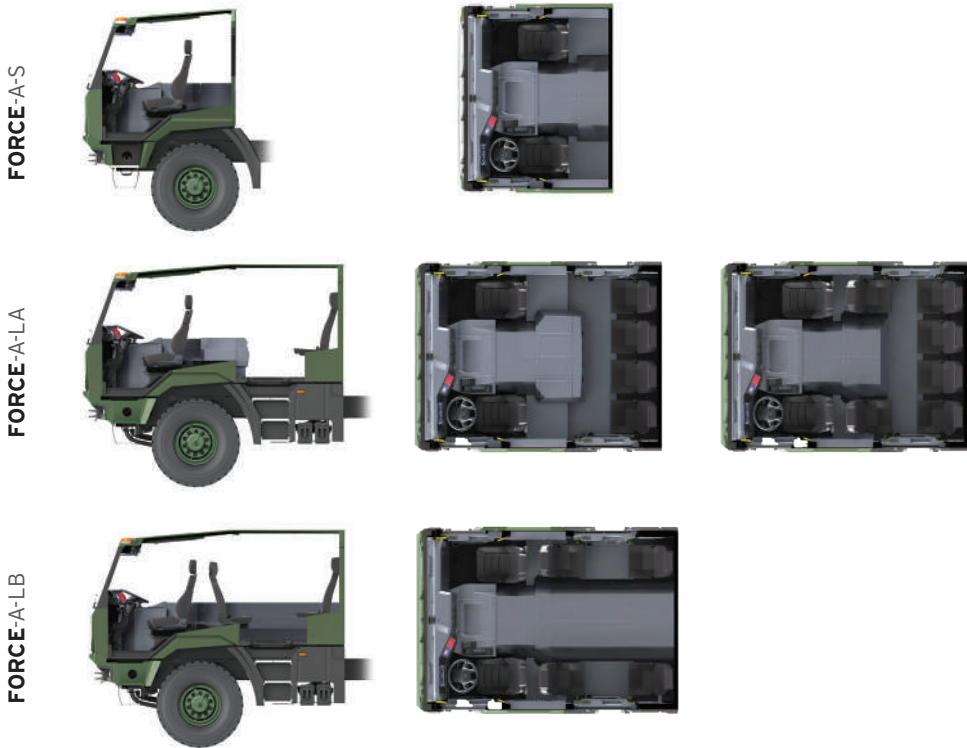
A multifunction steering wheel can be supplied on request. The cab can be equipped with fully adjustable and air-cushioned seats (primarily for the driver and possibly also for the passenger). Central locking and electric windows are also standard.

Ease of operation is facilitated by standard switches for standard functions, a multi-function display is available which can be configured to customer requirements, including the integration of advanced functions related to the special purpose of the specific vehicle.

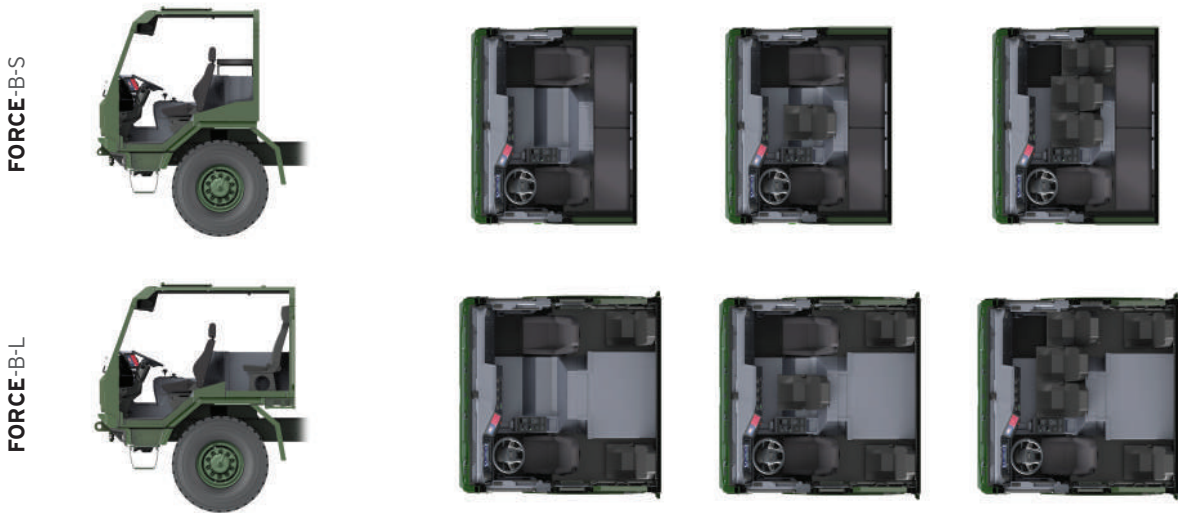
Basic cab configuration



Engine mounted above the front axle - FORCE-A
(with engine tunnel between driver and passenger)



Engine behind the front axle - FORCE-B



INTRODUCING, BENEFITS	02 - 03
CHASSIS, AXLES	04-05
SUSPENSION	06-07
ADVANCED CAB	08 - 09
CAB INTERIOR	10 - 11
ENGINES, TRANSMISSIONS	12 - 13
CONFIGURATION, GALLERY	14 - 22
CUSTOMIZED CHASSIS, PROVEN SOLUTION	23 - 25
SERVICE, TRAINING CENTER, PARTS	26 - 27



ENGINES

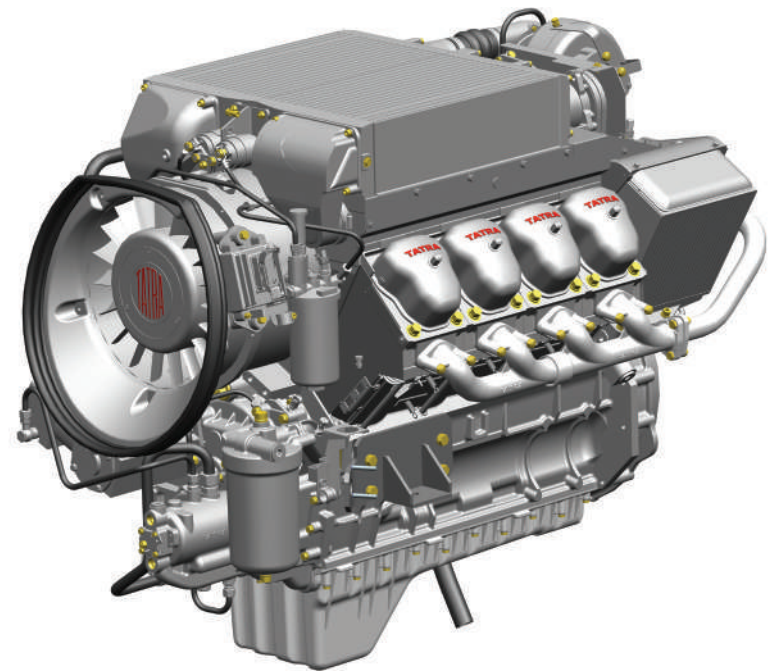
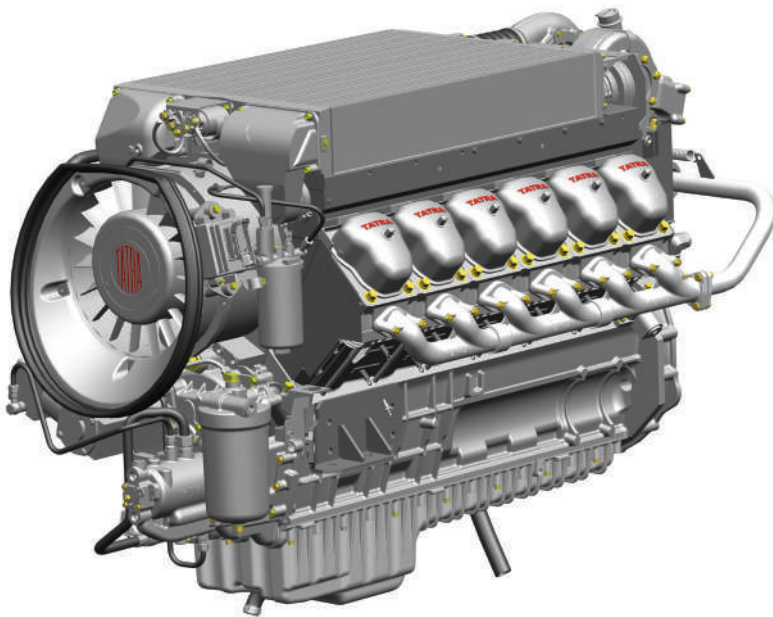
DIFFERENT OPTIONS

TATRA FORCE offers a wide range of diesel engines in a large range of power and torque outputs and in different emission specifications.

The basis of the range are **Tatra's** proprietary air-cooled V-engines in **V8** or **V12** versions. Alternatively, liquid-cooled inline six-cylinder **Cummins** or **Caterpillar** engines can be selected.

TATRA V8	402 - 501 hp	300 - 374 kW
TATRA V12	590 - 690 hp	440 - 515 kW
Cummins	281 - 591 hp	210 - 441 kW
Caterpillar	523 - 599 hp	390 - 447 kW

- Wide range of engine accessories
- Cold start in freezing conditions
- Wide range of power options
- Operation with high sulphur fuel or F-34 fuel
- Efficient engine brake (for selected engines)
- Advanced engine control electronics



TRANSMISSIONS

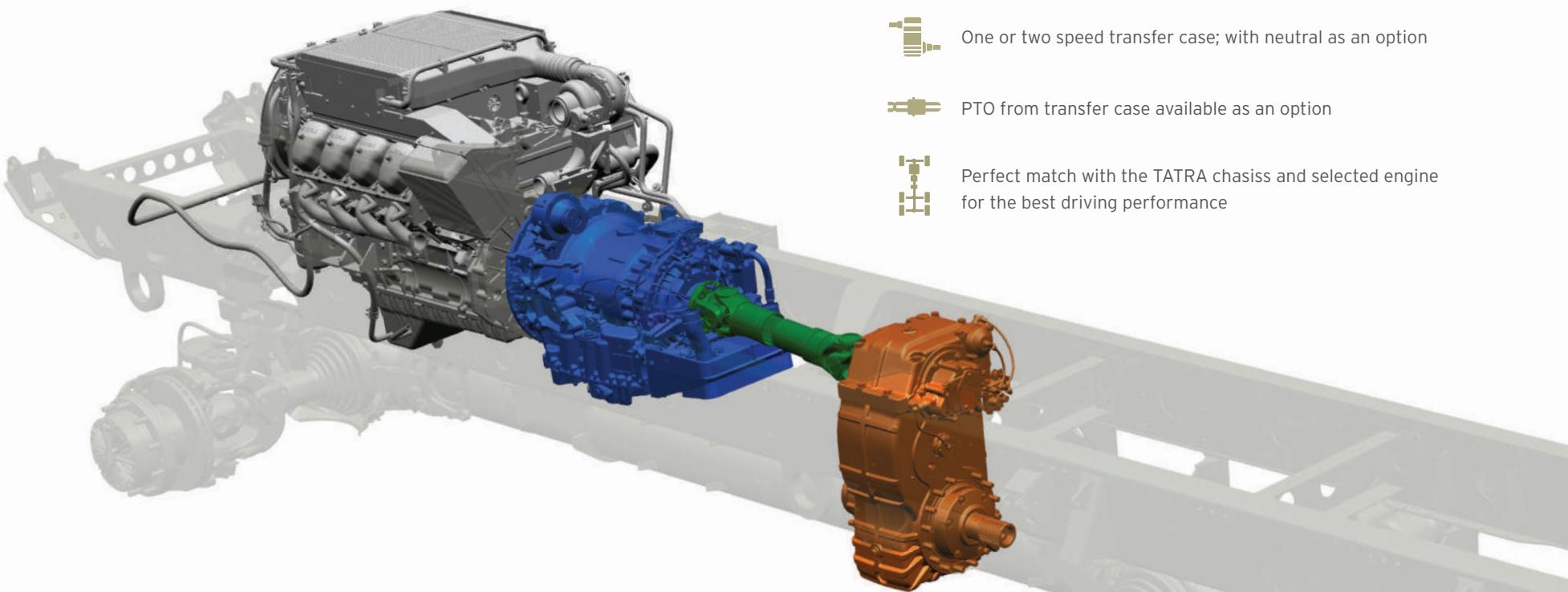
PERFECT MATCH WITH DRIVE TRAIN

The engines can be coupled with manual TATRA transmission with electronic shifting, which can be combined with a separate air-cooled electric retarder.

As another option, we can offer **ZF TraXon** automated transmissions, which can be supplemented with a hydraulic intarder. As standard, they come with manual gear selection.

The last option is fully automatic transmissions **Allison** or **ZF Ecolife II**, again with the option of an integrated hydraulic retarder.

The driving parameters and the gear range can be increased by selecting a TATRA transfer case (drop-box) with two gears, optionally with PTO output or with neutral shifting.



- Gearing options tailored to specific needs
- Manual, automated or automatic transmission control
- Retarder (or intarder) as an option for better brake performance
- Wide range of available PTOs for any kind of superstructure
- One or two speed transfer case; with neutral as an option
- PTO from transfer case available as an option
- Perfect match with the TATRA chassis and selected engine for the best driving performance

INTRODUCING, BENEFITS	02 - 03
CHASSIS, AXLES	04 - 05
SUSPENSION	06 - 07
ADVANCED CAB	08 - 09
CAB INTERIOR	10 - 11
ENGINES, TRANSMISSIONS	12 - 13
CONFIGURATION, GALLERY	14 - 22
CUSTOMIZED CHASSIS, PROVEN SOLUTION	23 - 25
SERVICE, TRAINING CENTER, PARTS	26 - 27



CHOOSE YOUR CONFIGURATION

READY FOR ANY MISSION

The basic chassis configurations offered for the TATRA FORCE range are 4x4, 6x6 and 8x8. Special multi-axle versions are available upon request. The vehicles have a wide range of wheelbases depending on payload dimensions.

Max GVW	19 - 23 t
Gradeability	up to 60%
Fordability	up to 1,5 m
Trench crossing	up to 1000 mm
Approached angle	up to 45°

4x4

Max GVW	29 - 39 t
Gradeability	up to 60%
Fordability	up to 1,5 m
Trench crossing	up to 1000 mm
Approached angle	up to 45°

6x6

Max GVW	36-50 t
Gradeability	up to 60%
Fordability	up to 1,5 m
Trench crossing	up to 2100 mm
Approached angle	up to 45°

8x8



**TATRA
FORCE**



4x4 CARGO/TROOP CARRIER

Logistics trucks primarily transport pallets, provisions, ammunition, and weapons, but there is also space for soldiers. Due to its specific design features, this truck is particularly suitable for expeditionary forces and for deployment overseas.



4x4 REFUELER

The truck is mainly used for fuel refuelling operations such as airplanes, helicopters, battle and logistic vehicles on missions. Design and equipment according to international standard for the transport of danger goods - ADR, code LGBF and other STANAG standards.



SERVICE, TRAINING
CENTER, PARTS
26 - 27

CUSTOMIZED
CHASSIS, PROVEN
SOLUTION
23 - 25

CONFIGURATION,
GALLERY
14 - 22

ENGINES,
TRANSMISSIONS
12 - 13

CAB
INTERIOR
10 - 11

ADVANCED
CAB
08 - 09

SUSPENSION
06 - 07

CHASSIS,
AXLES
04 - 05

INTRODUCING,
BENEFITS
02 - 03



**TATRA
FORCE**



6x6 CARGO/TROOP CARRIER

Logistics trucks primarily transport pallets, provisions, ammunition, and weapons, but there is also space for soldiers. Due to its specific design features, this truck is particularly suitable for expeditionary forces and for deployment overseas.



6x6 RECOVERY VEHICLE

Specially designed vehicle for recovering and towing of stuck and immobile wheeled vehicles like passenger cars, buses, heavy trucks, tractor-trailer combinations and semi-trailers.



SERVICE, TRAINING
CENTER, PARTS
26 - 27

CUSTOMIZED
CHASSIS, PROVEN
SOLUTION
23 - 25

CONFIGURATION,
GALLERY
14 - 22

ENGINES,
TRANSMISSIONS
12 - 13

CAB
INTERIOR
10 - 11

ADVANCED
CAB
08 - 09

SUSPENSION
06 - 07

CHASSIS,
AXLES
04 - 05

INTRODUCING,
BENEFITS
02 - 03



**TATRA
FORCE**

8x8 LOAD HANDLING SYSTEM

The LHS system on TATRA vehicles is designed to handle ISO 668 series 1 freight containers, NATO STANAG 2413 platforms, and related modules. The height of the ISO1C or ISO1CC container vehicle is minimized below 4 m to meet European road regulations.

8x8 FUEL TANKER TRUCK

Transporting fuel to the specified locations where the fuel is needed - gas stations, airports, construction sites, different reservoirs or direct filling of smaller refuelling tankers. Design and equipment according to international standard for the transport of danger goods - ADR, code LGBF and other STANAG standards.



SERVICE, TRAINING
CENTER, PARTS
26-27

CUSTOMIZED
CHASSIS, PROVEN
SOLUTION
23-25

CONFIGURATION,
GALLERY
14-22

ENGINES,
TRANSMISSIONS
12-13

CAB
INTERIOR
10-11

ADVANCED
CAB
08-09

SUSPENSION
06-07

CHASSIS,
AXLES
04-05

INTRODUCING,
BENEFITS
02-03



TATRA
FORCE

8x8 CARGO/TROOP CARRIER

Logistics trucks primarily transport pallets, provisions, ammunition, and weapons, but there is also space for soldiers. Due to its specific design features, this truck is particularly suitable for expeditionary forces and for deployment overseas.

CUSTOMIZED CHASSIS

EVERYTHING WHAT YOU WANT

TATRA TRUCKS offers rolling chassis, either fully mobile or non-mobile in the form of sub-components, for the assembly of complete vehicles at customers' sites. There is a choice of variants with a transport cab and TATRA FORCE instrumentation, various engines and transmission units from the standard range, a frame prepared for direct mounting of a superstructure or proprietary cab, various wheelbase configurations up to a version with a drive train located at the rear of the vehicle.



SERVICE, TRAINING
CENTER, PARTS
26-27

CUSTOMIZED
CHASSIS, PROVEN
SOLUTION
23-25

CONFIGURATION,
GALLERY
14-22

ENGINES,
TRANSMISSIONS
12-13

CAB
INTERIOR
10-11

ADVANCED
CAB
08-09

SUSPENSION
06-07

CHASSIS,
AXLES
04-05

INTRODUCING,
BENEFITS
02-03

PROVEN SOLUTION

ALMOST 20 YEARS IN SERVICE

The **TATRA FORCE** range was launched in 2006 and has since been delivered in many different modifications and designs to customers around the world.

Since 2015, a modernised second generation of the **TATRA FORCE** range has been in production, which is now replaced by the most modern version (third generation), bringing improved performance in many ways.

Even in its latest form, the **TATRA FORCE** is a vehicle that is designed for every mission.



SERVICE, TRAINING
CENTER, PARTS
26-27

CUSTOMIZED
CHASSIS, PROVEN
SOLUTION
23-25

CONFIGURATION,
GALLERY
14-22

ENGINES,
TRANSMISSIONS
12-13

CAB
INTERIOR
10-11

ADVANCED
CAB
08-09

SUSPENSION
06-07

CHASSIS,
AXLES
04-05

INTRODUCING,
BENEFITS
02-03

TATRA SERVICE PLUS™

RISK-FREE VEHICLE OPERATION

TATRA SERVICE PLUS™ is a service package where the customer determines the scope of services and servicing support. It gives them consolidated and planned service expenses and a reduced risk of vehicle inoperability. This extends the overall life of the vehicle and increases its residual value.

Extended warranty

When buying a new vehicle, we offer the option of an extended warranty for up to five years of full warranty.

Driver training

Training in the correct handling and driving of the vehicle off road on a proving ground with professional trainers. One-off or recurrent driver training ensures maximum use of the vehicles' driving characteristics and operating economy.

Service contracts

We will prepare a tailor-made service contract according to your requirements and your choice of services, which we offer in three levels:

	EXTRA	EXTRA+	FULL
Preventive maintenance	✓	✓	✓
Filter and oil changes	✓	✓	✓
Assistance Service	✓	✓	✓
Towing of the vehicle in the event of a breakdown		✓	✓
Full vehicle warranty for the duration of the contract		✓	✓
Replacements and repairs of common consumable parts			✓
Statutory checks (MOT, Emissions, Tachograph)			✓
Mobility Guarantee			✓

For customers of military and firefighting vehicle applications, we prepare our own selection of services and individual repair levels according to customer requirements.



**TATRA
SERVICE
PLUS**



TATRA TRUCKS TRAINING CENTRE

SERVICE SCHOOL

The TATRA TRUCKS Training Centre provides specialized service training to suit your needs. We provide professionalism and have many years of experience in top-level training.

- Training for users and service specialists
- The classrooms of the Training Centre are equipped with special teaching modules
- Expert staff - instructors with many years of experience
- Training on site at the customer possible
- Individual approach (training according to specific customer requirements)
- Providing unique care at the manufacturer level



ORIGINAL SPARE PARTS

WILL TAKE YOU FURTHER

We are all originals, so there is no reason to resort to substitutes. If you want to maintain the original driving, operating and economic characteristics of your TATRA vehicles, use only genuine TATRA spare parts for the service life of your truck.

Why use only genuine TATRA parts

- Highest quality
- TATRA certificate
- TATRA TRUCKS a.s. - Original Equipment Manufacturer
- Maximum reliability
- 100% functionality
- Safety Guarantee
- Maximum service life
- Tested according to the strictest standards



INTRODUCING, BENEFITS	02 - 03
CHASSIS, AXLES	04 - 05
SUSPENSION	06 - 07
ADVANCED CAB	08 - 09
CAB INTERIOR	10 - 11
ENGINES, TRANSMISSIONS	12 - 13
CONFIGURATION, GALLERY	14 - 22
CUSTOMIZED CHASSIS, PROVEN SOLUTION	23 - 25
SERVICE, TRAINING CENTER, PARTS	26 - 27



TATRA TAKES YOU FURTHER

TATRA

TATRA TRUCKS a.s.

Areál Tatry 1450/1
742 21 Kopřivnice
Česká republika

+420 556 491 111

WWW.TATRATRUCKS.COM



@TATRATRUCKS