



TATRA TAKES YOU FURTHER



**TATRA
FORCE**

**DESIGNED
TO SAVE LIVES**



**TATRA
FORCE**

TATRA TAKES YOU FURTHER

ON AND OFF ROAD

TATRA FORCE firefighting and rescue vehicles, built on a TATRA chassis with a central backbone tube, have been indispensable for decades in the most difficult conditions on our planet.

Combined with superstructures from renowned manufacturers, they represent a robust solution for rescue units that need to intervene in dangerous and normally inaccessible terrain. The mission of these **TATRA** vehicles is to get crews **quickly and safely** to their destination and be a partner that can be relied upon in all circumstances.



BENEFITS

UNIQUE TATRA SOLUTION

The excellent handling characteristics of the **TATRA** chassis in challenging terrain and excellent driving stability when cornering or performing evasive manoeuvres, as well as its resistance to torsion, bending and vibration, make **TATRA** vehicles particularly ideal for transporting not only personnel but also special-purpose superstructures such as water and fire extinguisher tankers, tippers or booms and other designs.

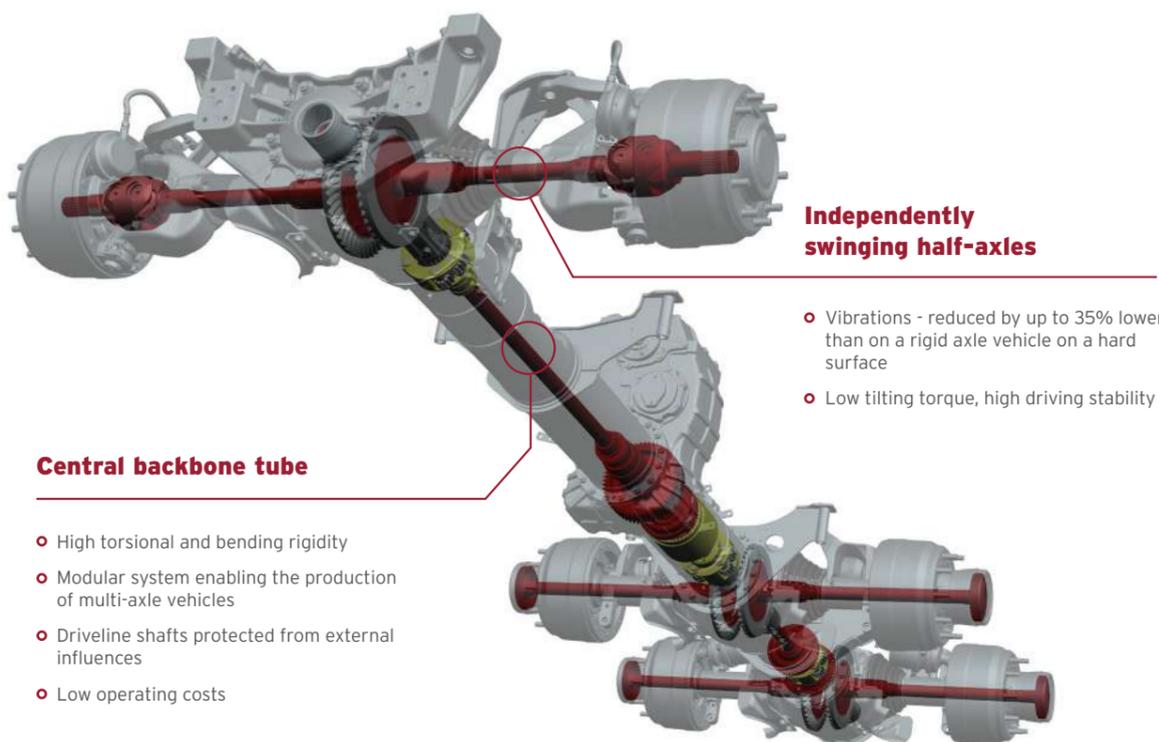
-  Dependable transport of crews, personnel and material in all weather and outdoor conditions
-  Universal chassis ideal for assembly with various special superstructures
-  Always a safe ride, from improved roads to the roughest terrain
-  Wide range of drivetrain configurations, including custom engines and transmissions, or models with liquid-cooled engines and transmissions from global manufacturers
-  High level of operational safety and protection of crews when performing special tasks or dealing with complex situations
-  Excellent life and durability, low life cycle cost (LCC)
-  Wide range of chassis configurations from 4x4, 6x6 and 8x8 to 10x10
-  Chassis options for integrating customer systems and solutions

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CHASSIS

TATRA DESIGN

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



Benefits

- Developed primarily for the toughest terrain conditions
- Excellent go-anywhere ability
- High vehicle stability when cornering and driving on slopes
- Outstanding riding comfort
- High transport speed in difficult terrain
- High torsional and bending rigidity of the chassis (vehicle)
- Minimal maintenance
- Protection of the chassis driveline from external influences and damage

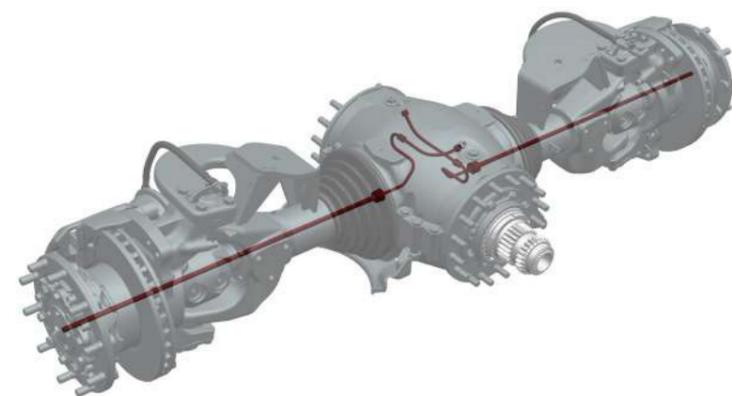
AXLES

DURABILITY AND SAFETY

Independently suspended swing half-axles ensure maximum wheel contact with the terrain and enable significantly higher speeds even in the most difficult conditions. **TATRA** axles are available with or without hub reduction gears.

Axles with disc brakes are available for vehicles designed for firefighting structures for increased crew safety in a hard-hitting driving style. They come standard on 4x4 vehicles and can be supplied on other configurations as an option.

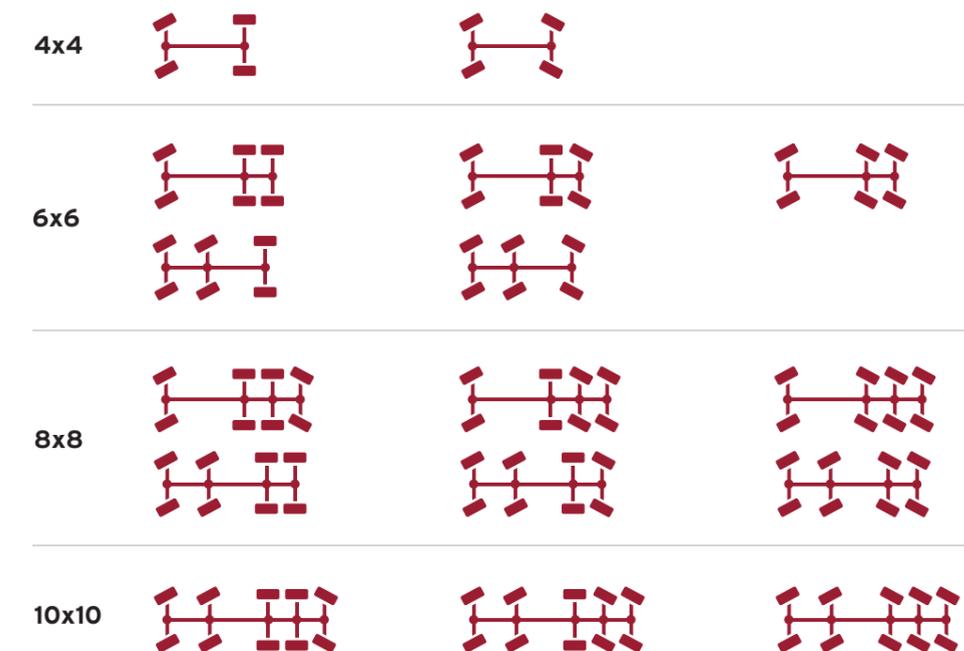
To increase traction on difficult, muddy or poorly tractable terrain, these axles can be supplied upon request with a tire inflation system - controlled directly from the driver's seat. In this case, all air lines are routed inside the axles to protect them from damage.



Chassis configuration

The **TATRA FORCE** chassis can be configured with **steerable driven axles** depending on customer requirements and to minimise the turning radius. This enables the vehicles to manoeuvre successfully even in confined spaces.

For all chassis configurations with all steerable axles, the option of an operational „**crab**“ motion is also available on request.



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SUSPENSION

AIR SUSPENSION AS STANDARD

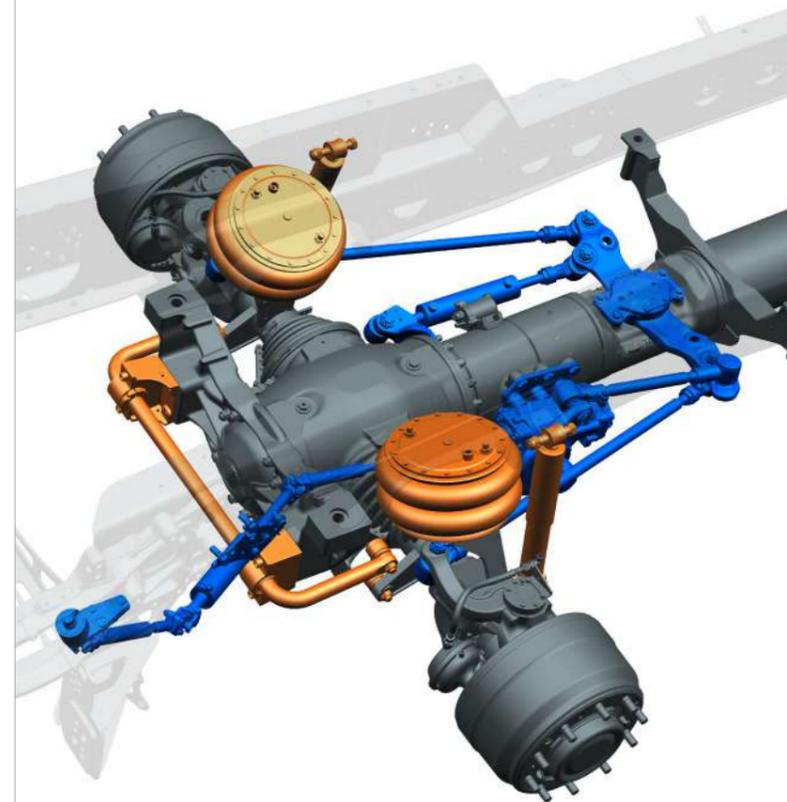
TATRA FORCE vehicles use exclusively **air suspension** or so-called **combined suspension**, where air bellows are combined with mechanical elements - coil or leaf springs.

The suspension of steerable axles is always air-type or combined.

Rear axles can be equipped with air or combined suspension and leaf spring suspension is also available for vehicles with stable and constant loads.

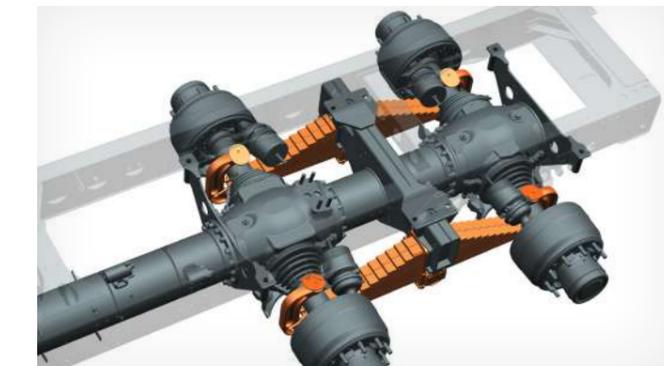
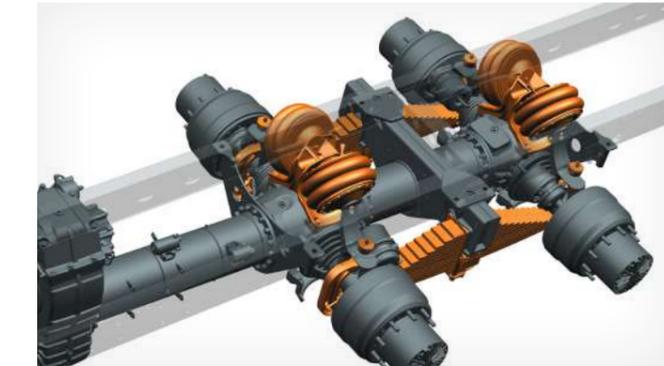
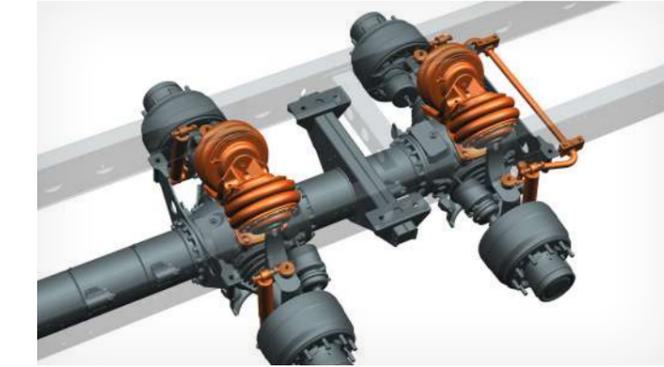
Benefits of chassis air suspension

- Low vibration levels and high driving comfort
- Excellent cornering stability
- Constant ground clearance (and overall height) for unladen and fully laden vehicles
- Possibility to change ground clearance (and overall height) and thus approach and crossing angles
- Suspension lock option



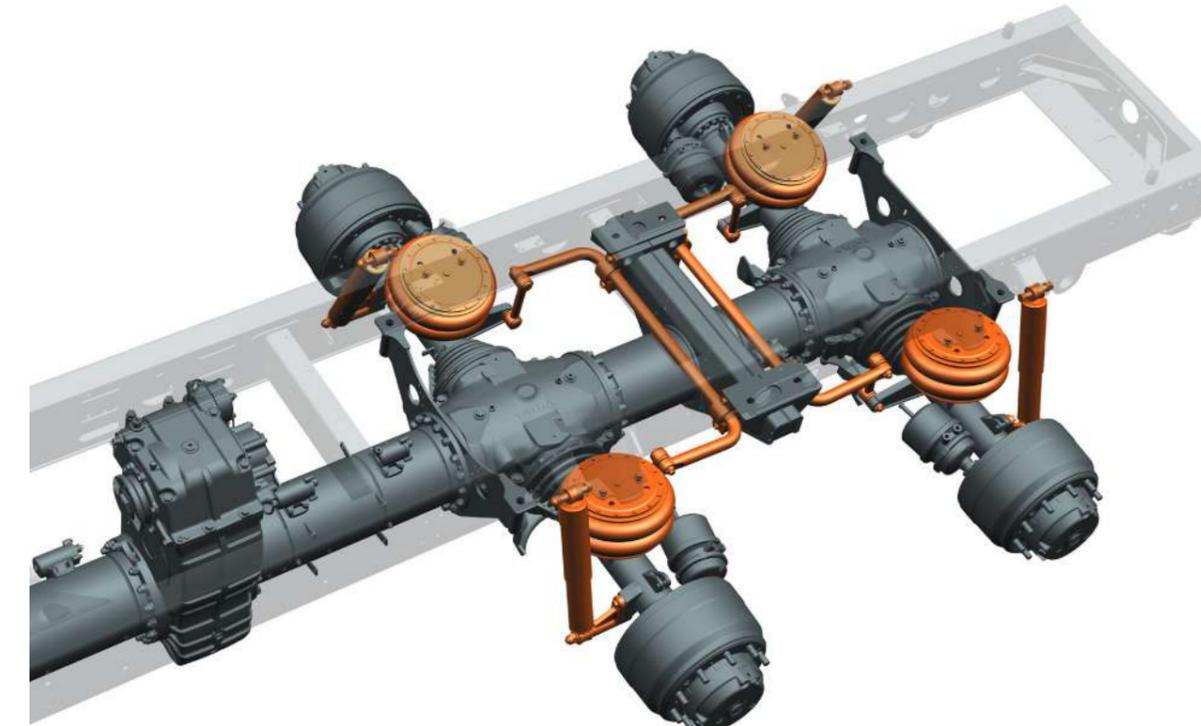
Non-steered axles

- Air suspension up to a maximum load capacity of 10 tonnes, with telescopic shock absorbers and torsion stabilisers
- Lightweight combined suspension (air bellows with coil springs) up to a maximum load capacity of 11.5 tonnes, with telescopic shock absorbers; torsion stabilisers can be installed depending on the type of operation
- Heavy-duty combined suspension (air bellows with leaf springs) up to a maximum load capacity of 16 tonnes
- Mechanic leaf-spring suspension up to a maximum load capacity of 11.5 tonnes



Steerable 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
- Torsional stabilisers to ensure a high level of stability when cornering or performing evasive manoeuvres



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**TATRA
FORCE**

MODERN CAB

SAFETY FIRST

The new generation of **TATRA FORCE** vehicles brings high safety and comfort for the driver and the entire crew.

In addition to a major improvement in the existing **TATRA FORCE** design with a low-based cab, engine above the front axle and through-cab design, the new generation also offers variants with a front-mounted engine.

The modern cab concept won distinction with the **Red Dot 2024** award.

TATRA FORCE cabs in all their variants meet **ROPS** standards for rollover protection, while the two-door cabs can also be supplied in **ROPS/FOPS** design on request, providing protection from both rollover and falling objects.



reddot winner 2024

Improved cab view

Variable roof designs

Unrivalled overall cab and vehicle height

Redesigned cab skeleton

Safer cab entry

New interior



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TATRA FORCE

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 included as standard.

Ease of operation is facilitated by switches for standard functions, and there is a multi-function display that can be configured to customer requirements.

Basic cab configuration



With the engine mounted above the front axle - **FORCE-A**
(with engine cover between driver and co-driver)

FORCE-A-S



FORCE-A-LA*



FORCE-A-LB



* Fully compliant with EN 1846 in terms of crew space



With the engine behind the front axle - **FORCE-B**

FORCE-B-S



FORCE-B-L



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TATRA FORCE

ENGINES

WIDE RANGE OF OPTIONS

The new generation of the **TATRA FORCE** series is equipped in its basic version with an upgraded electronically controlled, air-cooled, direct-cooled **eight-cylinder TATRA** engine with an output of 340 kW. Selected models can also be equipped with the new generation of air-cooled **twelve-cylinder TATRA** engines with an output of 440 kW.

A **Cummins** liquid-cooled engine is also standard.

The engines are offered with Euro III - Euro VI emission levels.

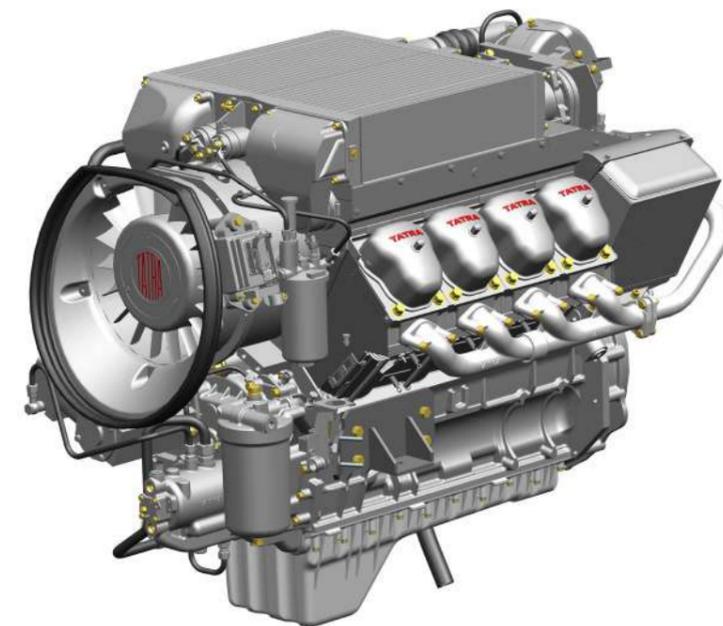
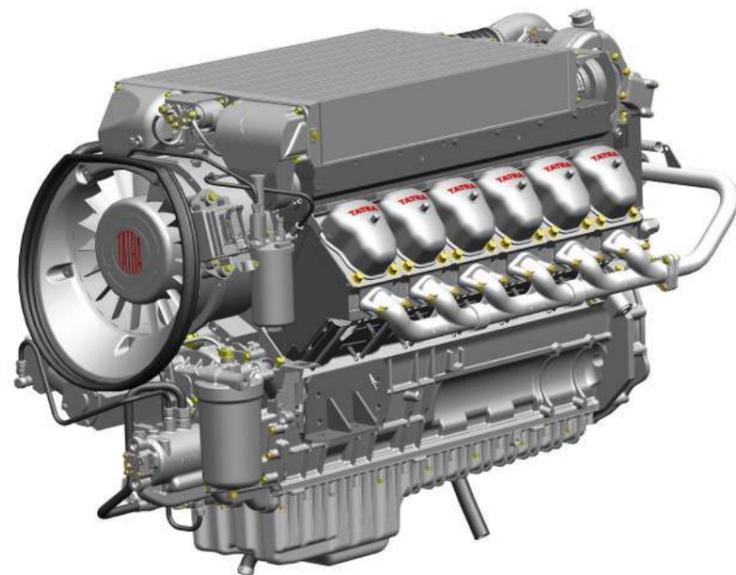
TATRA V8	400 - 460 HP	300 - 340 kW
TATRA V12	590 HP	440 kW
Cummins R6	280 - 590 HP	210 - 441 kW

Wide range of performance parameters

Prepared for operation in very cold environments

Effective engine brake (on selected engines)

Operation with high sulfur or F-34 fuel



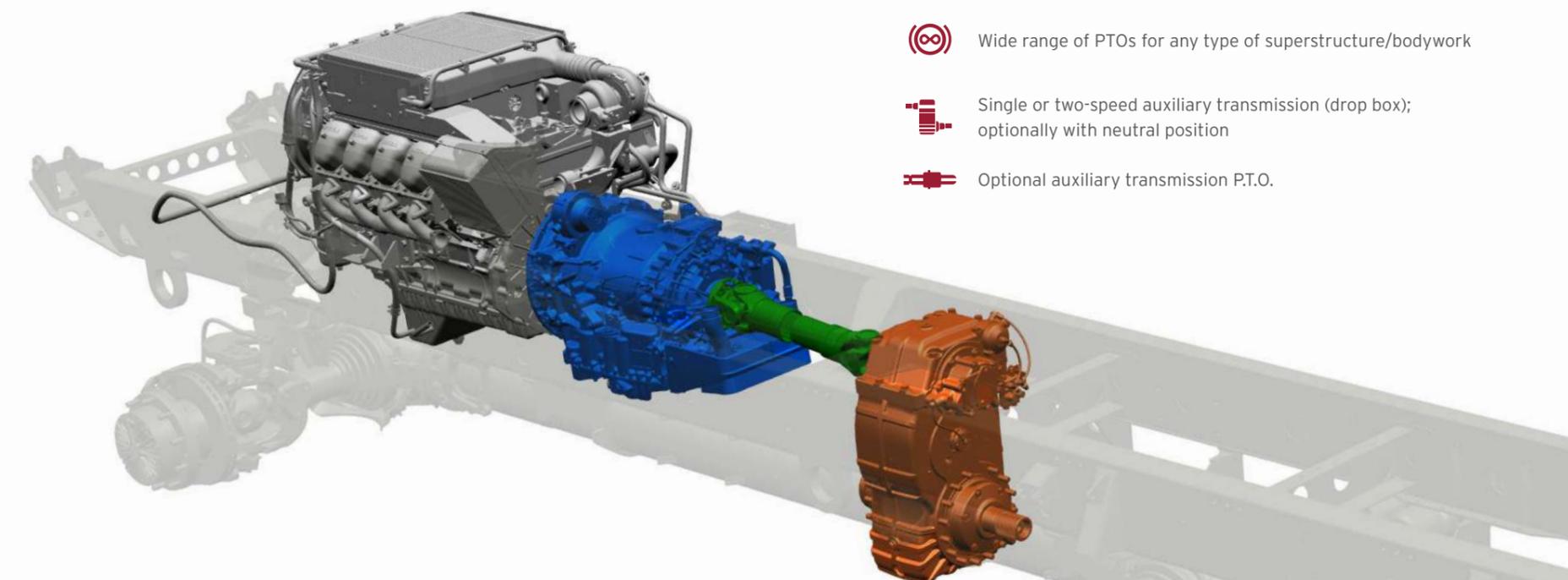
TRANSMISSIONS

PERFECT MATCH WITH THE CHASSIS

The range of transmission units includes:

- Ten or fourteen-speed **TATRA** transmission with electronic shifting
- Twelve-speed **ZF TraXon** automated transmission
- Six or seven-speed **Allison** fully automatic transmission

Combination with a **TATRA** single-speed or two-speed auxiliary transmission is standard. Vehicles can be equipped with a retarder upon request.



- Transmission options tailored to specific needs
- Perfect match with the TATRA chassis and selected engine for best driving performance
- Manual, automated and fully automatic transmissions
- Retarder (or intarder) upon request for better braking performance
- Wide range of PTOs for any type of superstructure/bodywork
- Single or two-speed auxiliary transmission (drop box); optionally with neutral position
- Optional auxiliary transmission P.T.O.



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**TATRA
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MADE FOR FIREFIGHTERS

FIREFIGHTERS AND RESCUE WORKERS CAN DEPEND ON TATRA

The new generation of **TATRA FORCE** series vehicles is based on years of experience gained from **TATRA** vehicles being used by fire and rescue services and fully integrates their requirements. Standard features are as follows:

- Low overall vehicle height
- Excellent cab safety
- Optimal approach angle values
- Unrivalled go-anywhere ability in difficult terrain
- Excellent driving stability
- High-performance disc brakes
- Fording ability up to 1,200 mm
- Protection of electrical and air harnesses with heat-resistant material
- Installed beacons have no impact on the overall height of the vehicle
- Possibility of using F-34 or high sulphur fuel
- Space for up to four full-size seats in one row on the two-door model
- Wide range of customisation options



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**TATRA
FORCE**

WIDE OFFER

HUGE RANGE OF OPTIONS

TATRA FORCE vehicles can be delivered directly from the factory with a wide range of additional special equipment. These include the installation of additional lighting, roof hatches, hydraulic winches for self-clearing or removing obstacles, etc.

The preparation for mounting a hydraulically operated plough is also standard on **TATRA FORCE** vehicles, both in the snow removal version and robust (bulldozer) version for landscaping or obstacle removal, manufactured for direct and simple installation on the vehicle.

Another possibility is the delivery of **TATRA FORCE** vehicles with armoured cabs with different levels of protection according to NATO standards. They protect crews from a risk of explosion, e.g. during interventions in the petrochemical industry, and at ammunition depots, but also in forested areas where there is a risk of falling trees.

Higher protection for firefighters and rescue crews also includes filtering and filtration equipment, protecting them against the effects of chemical, biological and other toxic substances. This equipment is always in pressurised design and can be fitted to both armoured and standard **TATRA FORCE** cabs. Even when passing through contaminated environments, the crew will always be safely protected.



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TATRA FORCE

CHOOSE YOUR CONFIGURATION

READY FOR ANY MISSION

The basic chassis configurations offered for the **TATRA FORCE** series are 4x4, 6x6 and 8x8, in two versions depending on the position of the engine and with two-door or four-door cabs.

Vehicles can be supplied on request with rear-axle drive or multi-axle drive according to specific requirements.

Right-hand drive models are also available.



4x4

Max GVW	19-23 t
Gradeability	up to 60 %
Fordability	up to 1 200 mm
Approached angle	up to 45°



6x6

Max GVW	25-40 t
Gradeability	up to 60 %
Fordability	up to 1 200 mm
Approached angle	up to 45°



8x8

Max GVW	40-50 t
Gradeability	up to 60 %
Fordability	up to 1 200 mm
Approached angle	up to 45°



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TATRA FORCE



4x4 WATER TENDER

The TATRA FORCE 4x4 with a four-door cab is the basic platform for firefighting applications. The cab for 1+ 5 or 1+ 7 crews fully complies with the space requirements of EN 1846.



4x4 WATER TENDER

The TATRA FORCE 4x4 with a two-door cab for transporting 1+ 3 crews in one row is a versatile platform for a firefighting vehicle with increased ground clearance and excellent manoeuvrability. It can also be supplied with steerable rear-axle drive.



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TATRA FORCE



6x6 WATER TENDER

The TATRA FORCE 6x6 with a two-door cab for transporting 1 + 3 crew in one row is a versatile platform for a firefighting vehicle with increased ground clearance. Designed for mounting large-volume tankers. Depending on the engine used, it can be equipped with a winch that does not restrict the front approach angle.



6x6 WATER TENDER

The TATRA FORCE 6x6 EURO VI with a two-door cab for transporting 1 + 3 crew in one row is a versatile platform for a firefighting vehicle with increased ground clearance. Manoeuvrability is enhanced by the steerable rear-axle drive. Designed for mounting large-volume tankers.

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TATRA FORCE



6x6 FLATBED

The TATRA FORCE 6x6 with a two-door cab is designed for evacuation endangered people, for the transport of bulky materials or the recovery of vehicles, especially during floodings, chemical or radiation accidents and other natural disasters. The loading area is designed to transport persons on folding benches. Another option is to equip the vehicle with a flatbed tailgate, winch and other equipment.



6x6 RESCUE TRUCK

The TATRA FORCE 6x6 rescue truck with a two-door cab is designed for salvage work both on paved roads and in difficult terrain conditions. This special vehicle is equipped with two hydraulic winches with a rear outlet and a swivel pulley. The equipment includes a robust (bulldozer) plow to remove obstacles and carry out earthwork. This vehicle can be supplied with steerable drive on one or both rear axles, including a „crab“ motion.



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**TATRA
FORCE**



8x8 WATER TENDER

The TATRA FORCE 8x8 with a two-door cab and tanks for 9,000 litres of firefighting or drinkable water and 4,000 litres of firefighting foam. It can also be equipped with all-wheel steering with the „crab” motion.



10x10 SPECIAL WATER TENDER - SUPER MASS CLASS

This vehicle with a two-door cab is designed to transport extra large volumes of water and extinguishing agents (21,000 litres). It can also serve as a retention tank for the long-distance transport of water to an intervention site. For better manoeuvrability, the chassis is equipped with a steering system for the first two and last two axles, and all axles can be steered on request.



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PROVEN SOLUTION

ALMOST 20 YEARS IN SERVICE

The **TATRA FORCE** range was launched in 2006 and has been on offer in its modernised (second) generation since 2015. The vehicles in this series have been delivered in many different versions and modifications to customers around the world.

The latest, third, generation of the **TATRA FORCE** range thus builds on and in many ways significantly improves on the driving characteristics, durability, safety and user-friendliness of both previous versions. Even in its latest form, it remains the vehicle for every mission and every situation.



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TATRA SERVICE PLUS™

RISK-FREE 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 book value.

Extended warranty

When buying a new vehicle, we offer the option of an extended warranty for up to three 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 requiring military and firefighting vehicles, we will prepare a custom selection of services and individual repair levels according to their 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
- Optional training on site at the customer
- Individual approach (training according to specific customer requirements)
- Providing unique customer 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



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