



TATRA TAKES YOU **FURTHER**

ALL-TERRAIN VEHICLES

TATRA fire and rescue vehicles, built on an original chassis with a central backbone tube, have been irreplaceable helpers in the most difficult conditions on our planet for decades. In combina tion with various superstructures from renowned manufacturers, they represent a robust solution for all rescue services that intervene not only in accessible areas, but also in difficult and dangerous terrain. The mission of TATRA vehicles is to get the crew safely and quickly to their destination and to be a partner in all circumstances.

TATRA IN ACTION

VIDEO IS WORTH A THOUSAND WORDS SEE FOR YOURSELF.
YOUTUBE.COM/TATRATRUCKS



BENEFITS

TATRA WILL HELP YOU SOLVE MANY PROBLEMS

What does the motto "TATRA TAKES YOU FURTHER" mean to us? It's our philosophy that we wake up with in the morning and put into every detail of our work. Where others see obstacles, TATRA sees a challenge. It's an idea that we want to imprint on all TATRA vehicles, to get you not just further, but anywhere, anytime, in whatever the conditions.

That's why customers depend on TATRA vehicles for the harshest conditions and know it will never let them down.



TATRA offers reliable transport in any weather (snow, icy, rain,...).



The TATRA suspension absorbs and dampens shocks when crossing terrain irregularities.



Thanks to the unique chassis concept, TATRA will overcome more demanding terrain, which is an impassable obstacle for other vehicles.



With an attachable front-axle drive without the need to stop, you enjoy all the benefits of a fully-powered vehicle whenever the surrounding conditions require it.



TATRA vehicles can move off-road significantly faster than competing vehicles.



The driver is less stressed by vibrations and noise, so he delivers more focused performance while



Do you want to have a custom-made vehicle built according to your requirements? built according to your requirements?



The absence of unprotected conventional cardan shafts increases the reliability and long life of the drive chain.



The TATRA solution provides greater rigidity and torsion resistance than competing vehicles with ladder frames, which significantly increases reliability and long service life of superstructures.

03 / TATRA WILL HELP YOU SOLVE MANY PROBLEMS

WWW.TATRATRUCKS.COM

DISCOVER OUR **EXCELLENCE**

UNIQUE TATRA SOLUTION

Creativity and genius make the best designers - that's TATRA. Clear and visionary ideas, together with a passionate heart, have been written in gold in the history of automotive design as the **TATRA VEHICLE CONCEPT**. What is the secret?

TATRA offers a unique chassis concept that was born in the 1920s and has not yet been surpassed. Take a look at our individual technical designs.



Custom production



- → Production of special one-piece designs.
- Individual customer approach.

Central backbone tube



- → Powertrain protection. The propeller shafts are housed in a central-
- → The subframe can be discarded, saving up to 1.5 tons for 8×8 units.
- → Extreme chassis resistance to bending and torsional stresses.
- Protecting the air bellows from damage.

Independetly swinging half-axles



- Higher terrain speed.
- → Lower stress on the vehicle frame and superstructure. and the ability to negotiate even very difficult terrain.
- → Reducing vibration by up to 30 % lower than on a rigid axle vehicle on a panel road.
- → Low tilting torque, high driving stability.

Mechanical all-wheel drive



- → Chassis modularity 4 × 4 18 × 16.
- → Unlike the hydraulic front-wheel drive, the TATRA concept allows the front axle to be driven at speeds over 30 km/h.

05 / UNIQUE TATRA SOLUTION

All-axle steerable option



- → Wheels can be turned in part or whole in the same or opposite-
- → Reduced turning radius.
- → Improved manoeuvrability in narrow and confined spaces (dense buildings, etc.).

Central tire inflation system (CTIS)



- → Tire pressure control from the driver's cab.
- Deflating, inflating wheels.
- → Complete line to the wheels inside the axle.

Air suspension on all axles



- Vibration reduction.
- → Steered drive axle load capacity up to 11.5 tons.
- → High ride comfort when driving off-road.
- → Zero wheel camber increased tire life.
- → Weight savings, enhanced steering angle, i.e. reduced turning radius, increased tire life.

Above average fording



- → Standard without preparation 1,000 mm.
- → Extraordinary with preparation up to 1,200 mm.



TATRA FORCE 7T5R21 / 7M6R21 cas 30/4300/300



WHEELS PRESSURE CONTROL FROM CAB

TATRA, three seats + driver 291 kW at 2 100 rpm

Cummins engine – EURO 6 285 kW at 2 100 rpm **TATRA engine** – EURO 5

Allison 4500 4 182 mm

9 000 + 10 000 kg

4 300 / 300 I

3 000 l/min (pressure 1 MPa) 250 l/min (pressure 4 MPa)

14,00 R20 Continental 18 000 / 19 000 kg

16,54 m 18,78 m

7 720 × 2 550 × 2 900 mm



TATRA FORCE 7T5R31 / 7M6R31CAS 30/9000/540

SPACIOUS CABIN
3+1



ADJUSTABLE GROUND FORDING UP TO CLEARANCE 1 500 mm





WHEELS PRESSURE CONTROL FROM CAB

Engine power:

TATRA, three seats + driver 291 kW at 2 100 rpm **Cummins engine** – EURO 6 325 kW at 2 100 rpm **TATRA engine** – EURO 5

Allison 4500

9 000 / 540 l

14,00 R20

4 090 + 1 450 mm

9 000 + 10 000 + 10 000 kg

2 000 I/min (pressure 1 MPa)

250 I/min (pressure 4 MPa)

Transmission:

Wheelbase:

Axle load: Water/foam tank:

Flow:

Weight:

Turn Ø: Turn Ø outline:

Dimensions:

25 000 / 26 000 kg 19 m 21,1 m 9 150 × 2 550 × 2 900 mm 6×6

FIREFIGHTING SUPERSTRUCTURES CARRIER

The **TATRA FORCE 6 x 6** chassis complements the basic platforms of firefighting applications. It combines a **TATRA** chassis with modern **Cummins** engines and Allison automatic transmissions.









TATRA IN ACTION

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TATRA TITAN 7MORC1.371

CZS 40/12000



ADJUSTABLE GROUND FORDING UP TO CLEARANCE 1500 mm



HERMETICALLY SEALED
CABIN WITH BALLISTIC
PROTECTION





PROTECTION AGAINST RADIANT HEAT AND FIRE

- Cab:
- Engine power:
- Transmission:
- Wheelbase:
- Axle load:
- Water/foam tank:
- Flow:
- Tires:
- Weight:
- Turn Ø:
- Turn Ø outline:
- Dimensions:

KAPA, 4 seats, 4 doors, Level 2

373 kW at 1 900 rpm Cummins ISM 11 500 engine

Allison 4500

2 150 + 3 660 + 2150 mm

2 × 9 000 kg + 2 × 9 000 kg

12 000 l

4 000 I/min (pressure 1 MPa) 250 I/min (pressure 4 MPa)

16,00 R20 with CTIS

36 000 kg

19,7 m

21,02 m

11 000 × 2 550 × 3 300 mm







FIREFIGHTING SUPERSTRUCTURES

By combining the unique features of TATRA chassis with

fire-fighting superstructures of modern design, firefighters

receive a unique, above-standard tool for their activities.



TATRA 2T5RA3.432

CAS 20/4500/270



FORDING UP TO 1 200 mm

SPACE 1 + 5



FULLY AUTOMATIC



TRANSMISSION



LIGHTING POLE WITH LED LIGHTS

Cab:

Engine power:

Transmission:

Wheelbase:

Axle load:

Water/foam tank:

Flow:

Tires:

operability is guaranteed both in normal conditions and in crisis situations. Excellent drive through harsh terrain, high

Thanks to the "TATRA CONCEPT" and fording of 1200 mm,

transport speed and comfort for both the crew and the sup-

ported superstructure is a standard.

Turn Ø outline:

Dimensions:

Weight:

Turn Ø:

TATRA, 5 seats + driver

325 kW at 2 100 rpm TATRA engine – EURO 5

Allison 4500

4 300 mm

8 500 + 11 500 kg

4 500 / 270 l

2 000 I/min (pressure 1 MPa) 250 I/min (pressure 4 MPa)

385/65 R22,5 + 315/80 R22,5 double-mount

max. 18 000 kg 17,06 m

18,92 m

7 950 × 2 550 × 3 000 mm

TATRA 2T5RB3.432

CAS 30/8500/510



FORDING UP TO
1 200 mm

FULLY AUTOMATIC TRANSMISSION



INCREASED CREW
SPACE 1 + 5



LIGHTING POLE WITH LED LIGHTS

Cab:

Engine power:

Transmission: Wheelbase:

Axle load:

Water/foam tank:

Flow:

Tires:

Weight:

Dimensions:

TATRA, 5 seats + driver

325 kW at 2 100 rpm TATRA engine – EURO 5

Allison 4500

4 300 + 1 450 mm

8 500 + 11 500 + 11 500 kg

8 500 / 510 l

3 000 I/min (pressure 1 MPa) **250 I/min** (pressure 4 MPa)

385/65 R22,5 + **315/80 R22,5** double-mount

max. 26 000 kg

9 270 × 2 550 × 3 000 mm



CARRIER



6×6 RESCUE VEHICLE

By combining the unique features of TATRA chassis with fire-fighting superstructures of modern design, firefighters receive an above-standard rescue truck. The vehicle is designed for rescue work both on paved roads and in demanding terrain conditions. The basis of the car is a three-axle TATRA FORCE chassis. The equipment is complemented by blades for removing obstacles, snow and for modifying various surfaces. The vehicle is equipped with two hydraulic rope winches with a rear outlet and a rotating pulley.

TATRA 7T5R31.41ZE



ADJUSTABLE GROUND FORDING UP TO 1 500 mm







WHEELS PRESSURE CONTROL FROM CAB

Cab:

Engine power:

Wheelbase:

TATRA T3D-928-31 engine- EURO 5 Allison 4500

Transmission:

4 090 + 1 450 mm

Axle load: Winch:

9 000 + 9 000 + 9 000 kg **SEPMATIC H100** (40m rope, Ø 14 mm) SEPMATIC H240 (60m rope, Ø 24 mm

TATRA, three seats + driver 325 kW at 2 100 rpm

Crane:

Hiab 222 ATF-2

Tires:

Load capacity 20,5 t/m 14,00 R20

Turn Ø:

16 / RESCUE VEHICLE

19,00 m 21,10 m

Turn Ø outline: Dimensions:

9 150 × 2 550 × 2 900 mm







TATRA FORCE





ADJUSTABLE GROUND CLEREANCE



FORDING
UP TO 1 500 mm



TATRA, three seats + driver 325 kW při 2 100 ot./min

TATRA engine – EURO 5

2 × 9 000 + 2 × 13 000 kg

CAB 1 + 2

WHEELS PRESSURE CONTROL FROM CAB

Cab:

Engine power:

Transmission:

TATRA NORGREN Wheelbase: 2 150 + 3 270 + 1 450 mm

Axle load: Rescue:

OMARS 110T 11 – load capacity 7 200 kg

Crane:

HIAB X-HiPro 418 EP-5 load capacity 37,8 t/m

Winch:

VIME EPH - 10 t (40m rope, Ø 18 mm) BREVINI BWT - 20 t (40m rope, Ø 20 mm)

VIME 4500 EPH - 5 t (25m rope, Ø 11 mm) 14,00 R20 + 325/95 R24

Tires: Turn Ø:

Dimensions:

28 m

10 530 × 2 550 × 3 995 mm





TATRA IN ACTION

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TATRA 7T5RC1.33ZC

ČKD AV30.1 AWS



Cab:

Engine power:



FORDING
UP TO 1 500 mm



װְרְּלֶּוֹ װְ-לְּינוֹ װְ-לִינוֹ

TATRA, three seats + driver 325 kW at 2 100 rpm **TATRA engine** – EURO 5

manual TATRA Transmission:

Wheelbase: 2 150 + 3 320 + 1 500 mm 2 × 9 000 + 2 × 10 000 kg Axle load:

16,00 R20 (all wheels steered, with reductions Tires:

and CTIS system)

Turn Ø: 17,86 m 20,00 m Turn Ø outline:

Dimensions: 11 030 × 2 550 × 3 500 mm







TAURUS 7M3R51.27ZA





● WHEELS PRESSURE CONTROL FROM CAB



 0^{-1} FIRST TWO AND LAST 0^{-1} TWO STEERED AXLES

TATRA, 1 + 1

447 kW at 1 200 rpm Cummins ISX15 engine – EURO 3

Allison 4700PR

2 150 + 2 910 + 1 500 + 1 500 mm

2 × 9 000 kg + 3 × 10 000 kg 21 000 l

4 000 I/min (pressure 1 MPa) 250 I/min (pressure 4 MPa)

14,00 R20

with beadlocks and CTIS system

21,28 m 23,46 m

12 500 × 2 550 × 3 300 mm



SERVICE

TATRA SERVICE PLUS[™]

NO-RISK BUSINESS

TATRA SERVICE PLUS™ is a service package where customers determine the scope of services and servicing support. It gives them consolidated and planned service expenses and a reduced risk of vehicle inoperability.

It also increases the resale value.

- 1. When buying a new vehicle, we offer the option of an extended warranty for up to three years of full warranty.
- 2. Training in the correct handling and driving of the vehicle off road on a proving ground with professional trainers.
- 3. Customer service tailored to customer requirements and selection of preferred services.
- 4. We provide a free replacement vehicle* or financial compensation for the duration of the repair.

* Offer valid only for service contracts.



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:

- high quality
- → TATRA certificate
- → TATRA TRUCKS a.s. OEM
- → maximum reliability

- → 100% functionality
- → safety guarantee
- → maximum service life
- → tested according to the strictest standards



TATRA TAKES YOU FURTHER

TATRA FIREFIGHTING

TATRA TRUCKS a. s.

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