

TATRA TAKES YOU FURTHER

## TATRA FIREFIGHTING

# MADE FOR EXTREME CONDITIONS

TATRA



### TATRA TATRA FORCE PHOENIX

# TATRA TAKES YOU FURTHER

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 combination 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.





KASIČSKÝ ZÁCHRANNÝ KRAJE VYSOÚNI



# 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.



مد)

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



Do you want to have a custom-made vehicle 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. RESCUE VEHICLES, CRANES **16 - 21** 

CONTAINER CARRIER 22-23

TATRA SERVICE PLUS, SERVICE SCHOOL, PARTS **26 - 27** 

LARGE VOLUME TANK

24 - 25

# DISCOVER OUR EXCELLENCE

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 centralbackbone tube.
- → 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  $4 \times 4 18 \times 16$ .
- Unlike the hydraulic front-wheel drive, the TATRA concept allows the front axle to be driven at speeds over 30 km/h.
- Lower servicing requirements.

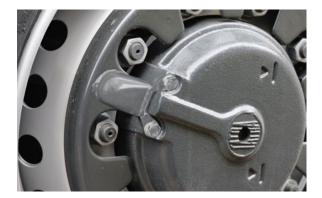
05 / UNIQUE TATRA SOLUTION

# All-axle steerable option



- Wheels can be turned in part or whole in the same or oppositedirection.
- ➔ 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.

INTRODUCTION BENEFITS 02 - 03



### TATRA FORCE



### FIREFIGHTING SUPERSTRUCTURES CARRIER

The TATRA FORCE 4  $\times$  4 chassis with a wheelbase of 4,182 mm represents the basic platform for firefighting applications. It combines a TATRA chassis with modern **Cummins** engines and **Allison** automatic transmissions.

Contraction of

ith i



## **TATRA FORCE 7T5R21 / 7M6R21** CAS 30/4300/300



GROUND FORDING UP TO 1 500 mm

WHEELS PRESSURE

Cab:

Engine power:

Transmission:

- Wheelbase:
- Axle load:
- Water/foam tank:
- Flow:
- Tires:
- Weight:
- → Turn Ø :
- ◆ Turn Ø outline :
- Dimensions:

TATRA, three seats + driver
291 kW at 2 100 rpm
Cummins engine – EURO 6
285 kW at 2 100 rpm
TATRA engine – EURO 5
ININA eligille - LORO J
Allison 4500
4 182 mm
9 000 + 10 000 kg
4 300 / 300 l
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



LARGEVOLU 24-25



## TATRA FORCE 7T5R31 / 7M6R31

CAS 30/9000/540



SPACIOUS CABIN SPACIOUS CABIN 3 + 1



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



FORDING UP TO 1 500 mm

WHEELS PRESSURE CONTROL FROM CAB

#### 291 kW at 2 100 rpm **Cummins engine** – EURO 6 325 kW at 2 100 rpm **TATRA engine** – EURO 5 Allison 4500 4 090 + 1 450 mm 9 000 + 10 000 + 10 000 kg 9 000 / 540 l 2 000 l/min (pressure 1 MPa) 250 l/min (pressure 4 MPa) 14,00 R20 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 × 6 chassis complements the basic platforms of firefighting applications. It combines a TATRA chassis with modern Cummins engines and Allison automatic transmissions.

TATRA

102

R



TATRA

TATRA SERVICE PLUS, SERVICE SCHOOL, PARTS 26-27

-ARGE VOLUMETANK

24-25

CONTAINER CARRIER 22 - 23

RESCUE VEHICLES, CRANES **16 - 21** 

-

WWW.TATRATRUCKS.COM



8×8

111

### ARMOURED FIREFIGHTING VEHICLE

**TATRA TITAN** is an extraordinary vehicle for dangerous conditions. The AWD TATRA chassis with all steerable axles is complemented by a unique cab with ballistic protection and filter ventilation. The design of TITAN predestines it for use in difficult conditions with a high degree of danger for the intervening crew or firefighting technology.

min Print

TIND TH

-

-

..........

HASIČI

-

112

RESCUE CRANES 16 - 21

FIREFIGHTING & COMMAND VEHICLES **06 - 15** 



GATE-S

WWW.TATRATRUCKS.COM

INTROD Benefit 02 - 03



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



## TATRA TITAN 7MORC1.371 CZS 40/12000

<u>\_</u>₽/1 <u>~</u>√

ADJUSTABLE GROUND CLEARANCE

HERMETICALLY SEALED CABIN WITH BALLISTIC PROTECTION

- 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 l/min (pressure 1 MPa)
250 l/min (pressure 4 MPa)
16,00 R20 with CTIS
36 000 kg
19,7 m
21,02 m
11 000 x 2 550 x 3 300 mm

1500 mm <u>्रि</u>

**PROTECTION AGAINST**  $\bigcirc$ **RADIANT HEAT** AND FIRE

FORDING UP TO



**TATRA TRITON** is a highly durable command reconnaissance vehtele designed for operations in difficult terrain conditions with a high degree of danger. The **TRITON** vehicle is built on the proven **TATRA FORCE 4** × **4** chassis with a central support tube and independently suspended half-axles and all-wheel drive. The vehicle can be used for fires with a risk of explosions in areas with hazardous or explosive material or in the event of natural disasters or large-scale fires.

TATRA FORCE

E

9

All for manian







ADJUSTABLE GROUND CLEARANCE



\*

BALLISTIC PROTECTION

HERMETICALLY SEALED



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
<b>300 kW at 1 900 rpm</b> TATRA T3C-928-90 engine – Euro 3
Allison 4500, automatic, 6 gears, PTC
3 650 mm
8 000 + 9 000 kg
2 000 l
1 500 l/min (pressure 1 MPa)
250 l/min (pressure 4 MPa)
14,00 R20 XZL with run-flats
and TELEFLOW technology
17 000 kg (8 000 + 9 000 kg)
16,82 m
18,33 m
6 271 × 2 550 × 2 760 mm





26. 26.



TATRA TERRA

HASIČ

-

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. Thanks to the "TATRA CONCEPT" and fording of 1200 mm, operability is guaranteed both in normal conditions and in crisis situations. Excellent drive through harsh terrain, high transport speed and comfort for both the crew and the supported superstructure is a standard.

# **TATRA 2T5RA3.432**CAS 20/4500/270



DING	υρ το	
) mm		

INCREASED CREW SPACE 1 + 5 FULLY AUTOMATIC TRANSMISSION

LIGHTING POLE

¦ 、

→ Cab:

<u>...</u>

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

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 l/min (pressure 1 MPa) 250 l/min (pressure 4 MPa) 385/65 R22,5 + 315/80 R22,5 double-mount max. 18 000 kg 17,06 m

7 950 × 2 550 × 3 000 mm

18,92 m



<u>Sig</u>

Cab:

Axle load:

Flow:

Tires:

Weight:

14

jų K

15 / 28



TATRA FORCE

## 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

(K)

## TATRA 7T5R31.41ZE



Adjustable ground
 Clearance
 Clearance



- → Cab:
- Engine power:
- Transmission:
- Wheelbase:
- Axle load:
- Winch:
- Crane:
- Tires:
- ♦ Turn Ø:
- Turn Ø outline:
- Dimensions:

WHEELS PRESSURE
TATRA, three seats + driver
325 kW at 2 100 rpm
TATRA T3D-928-31 engine- EURO 5
Allison 4500
4 090 + 1 450 mm
9 000 + 9 000 + 9 000 kg
<b>SEPMATIC H100</b> (40m rope, Ø 14 mm)
<b>SEPMATIC H240</b> (60m rope, Ø 24 mm
Hiab 222 ATF-2
Load capacity 20,5 t/m
14,00 R20
19,00 m
21,10 m
9 150 × 2 550 × 2 900 mm

FORDING UP TO 1 500 mm







TATRA FORCE

## TATRA OMARS 7T5R44.33ZA CAS 30/4300/300



Cab:

Wheelbase:

Axle load:

Rescue:

Crane:

Winch:

Tires: Turn Ø: Dimensions:

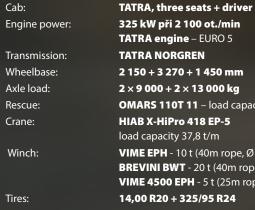
ADJUSTABLE GROUND CLEREANCE

CAB 1 + 2





WHEELS PRESSURE CONTROL FROM CAB



× 9 000 + 2 × 13 000 kg
MARS 110T 11 – load capacity 7 200 kg
IAB X-HiPro 418 EP-5
ad capacity 37,8 t/m
<b>IME EPH</b> - 10 t (40m rope, Ø 18 mm)
<b>REVINI BWT</b> - 20 t (40m rope, Ø 20 mm)
IME 4500 EPH - 5 t (25m rope, Ø 11 mm)
4,00 R20 + 325/95 R24
9 ma

10 530 × 2 550 × 3 995 mm



INTRODUCTION BENEFITS 02 - 03

TATRA

By combining the unique features of TATRA chassis with modern firefighting and rescue superstructures firefighters get a unique, above-standard rescue truck. It is primarily designed for rescuing sunken or crashed equipment, both on paved roads and in difficult terrain conditions.

the st st

-

3

F

211111

t.

10-0

C



TATRA FORCE

KY ZACHRANNY SROP

301

1

NAFTA

innin -

## 8×8 RESCUE TRUCK CRANE

By combining the unique features of **TATRA** chassis with fire-fighting superstructures of modern design, firefighters receive a unique, above-standard rescue truck. The vehicle is primarily intended for rescue and crane work, both on paved roads and in demanding terrain conditions. The basis of the car is a four-axle **TATRA FORCE** chassis with an **all-axle steering system**.





## **TATRA IN ACTION**

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





## TATRA 7T5RC1.33ZC

ČKD AV30.1 AWS



ADJUSTABLE GROUND CLEREANCE

0---0 0---0 ALL AXLES STEERING

- → Cab:
- Engine power:
- Transmission:
- Wheelbase:
- Axle load:
- Tires:
- Turn Ø:
- Turn Ø outline:
- Dimensions:

WHEELS PRESSURE CONTROL FROM CAB £8

FORDING

UP TO 1 500 mm

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

- and CTIS system)

- TATRA engine EURO 5
- manual TATRA
- 2 150 + 3 320 + 1 500 mm
  - 2 × 9 000 + 2 × 10 000 kg
- 16,00 R20 (all wheels steered, with reductions
- 17,86 m
- 20,00 m
  - 11 030 × 2 550 × 3 500 mm



SZS

INTRODUCTION BENEFITS 02 - 03

## 8×8 CONTAINER CARRIER

10

Container carrier on the **TATRA PHOENIX** chassis is a vehicle designed for the transport of containers during various rescue operations. The concept of the vehicle allows operation both on paved roads and in difficult terrain. The vehicle is equipped with a **Multilift Ultima Commander 21** with a load capacity of **up to 21 tons**, which is adapted for the transport of **ABROLL** and **ISO** containers.

TATRA PHOENIX

EL

HASIČI

TATRA

THE REAL

the second second second second

## TATRA 8P3R43.29ZA

CONTAINER CARRIER



FORDING UP TO 800 mm

CAB1+1

- → Cab: Engine power:
- Transmission:
- Wheelbase:
- Axle load:
- Tires:
- Dimensions:



Q

CAMERA SYSTEM FOR HOOK POSITION CONTROL

#### DAF, 1 + 1 390 kW at 2 100 rpm Paccar MX-13 engine – EURO 3 manual ZF - 16 gears 2 150 + 2 950 + 1 320 mm 2 × 8 000 + 2 × 11 500 kg 315/80 R22,5 + 315/80 R22,5 double mount 11 030 × 2 550 × 3 500 mm

1950

HASIČI

1441 100

HIAB - MULTILIFT - LOGLIFT JONSERED - STEELBRO

WWW.TATRATRUCKS.COM

. manning.

## 10×10 LARGE VOLUME TANK

TATRA FORCE

By combining the unique features of **TATRA chassis** with fire-fighting superstructures of modern design, firefighters receive a unique **large-volume tank with a capacity of 21,000 liters**. The vehicle is primarily intended for the transport of large volumes of water and extinguishing agents. The vehicle can also serve as a retention tank for long-distance transport of water to the scene. For better maneuverability of the vehicle, the chassis is equipped with a **steering system for the first two and last two axles**.

CV 40/21000 - S3

HASICSNY ZACHRANNY SBOR

ZACHRANNY UTVAR



## TATRA TAURUS 7M3R51.27ZA

CV40 /21 000



60 CAB 1 + 1



Engine power:

Transmission:

Wheelbase:

- Axle load:
- Water tank:
- Flow:
- Tires:
- ➔ Turn Ø:
- Turn Ø outline:
- Dimensions:

## WHEELS PRESSURE CONTROL FROM CAB

FIRST TWO AND LAST TWO STEERED AXLES

### TATRA, 1 + 1

0-0-0 0-0-0 0-0-0

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 l/min (pressure 1 MPa)
250 l/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





## 

2. DRIVER TRAINING

510VHLN00 201825

# TATRA SERVICE PLUS<sup>™</sup>

**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. ETENDED WARRANTY

A. MOBILITY CURPARITE

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.
- 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.

➔ 100% functionality

➔ maximum service life

tested according to the strictest standards

→ safety guarantee

### Why use only genuine TATRA parts:

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

- UNIQUE TATRA SOLUTION 04-05



TATRA TAKES YOU FURTHER



TATRA TRUCKS a. s.

Areál Tatry 1450/1 742 21 Kopřivnice Czech Republic +420 556 491 111

¶ © ■ @TATRATRUCKS

WWW.TATRATRUCKS.COM