

 Z-CLASS



**AIRPORT FIRE FIGHTING AND RESCUE VEHICLES:
AIRPORT SECURITY GUARANTEED**

 Ziegler

AIRPORT SECURITY STARTS AND ENDS ON THE GROUND.

For almost five decades, the name ZIEGLER stands for security at airports of the world. Airport fire fighting and rescue vehicles are regarded as the premier class of the fire fighting vehicles. For the design and the production of these vehicles, special skills and state-of-the-art technology is needed. ZIEGLER has both. Since 1969, practical powerful solutions are developed based on continuous innovation. Today, we offer an impressive range of 4x4, 6x6 and 8x8 airport vehicles – designed and produced from a single source.

Through the continuous development of proven, successful concepts, we make sure that the airport fire fighting and rescue vehicles of the Z-Class exceed the relevant standards of NFPA or ICAO. Thereby our focus does not lie primarily on the design. The practicability of all technical systems and components and their safe and unrestrained availability in an emergency case is crucial for us. That is what we mean by holistic security – that benefits not only the operator of our vehicles in case of an emergency, but also protects the passengers of the aircraft.



ONE CONCEPT. THREE VERSIONS. HUNDREDS OF REFERENCES.

Z-CLASS

With the Z-Class we offer the option to adapt airport fire fighting and rescue vehicles to the different conditions of the airports. A modular concept enables the configuration of 4x4 to 8x8-vehicles – testified according to ICAO on a single platform. With regard to vehicle size, quantities of extinguishing agents, as well as special superstructures and components, the vehicles of the Z-Class fully meet the different tactical mission requirements.

Extreme low-torsion and very corrosion resistant aluminium superstructure, proven pump technology, ergonomically and perfectly adjusted cabin and equipment rooms, as well as optimal use of volume – that is what all vehicles have in common. The processing of series-produced components guarantees consistently high quality and functional security. The large number of equal parts ensures an optimal spare parts availability.

- 1. Engine case
- 2. Pump compartment:
Pump with delivery rate of up to 10,000 l/min, Foam admixture (EAD), electrical automatic proportioning
- 3. Extinguishing agent tank:
Capacity up to 19,000 l water/foam
- 4. Compartment room and additional extinguishing agent up to 1,000 kg, additional CO₂ or CAFS optional
- 5. Roof turret/extendable turret with a performance of up to 8,000 l/min water/foam
- 6. Bumper turret with a performance of up to 3,800 l/min water/foam
- 7. Crew cabin/driver's cabin for up to 6 crew members
- 8. Compartment room and control panel
- 9. Compartment room for on-board tools or firefighting related loading



DIFFICULT FOR THE FIRE. VERY EASY TO HANDLE.

The Cabin-Philosophy of the Z-Class

- Spacious cabin with up to 1+5 seats
- Wide and safe entrance – ideal ergonomic working for the crew
- Driver's cabin with a standing height of 1.8 meters
- Excellent panorama view for safe driving
- Ergonomic and operation-tactical instrument panel as well as joystick-control elements in the arm rest
- Operation possible with one crew member
- CAN-BUS-Control with large-format coloured TFT-Displays in the driver's cabin

■ Z-CABIN

Clear overview is extremely important in case of an operation. Especially at high speed and simultaneous operation of the monitor, the operator appreciates the outstanding panorama view, provided in all cabins of the Z-Class. The coordinated tactical use and ergonomically perfect arrangement of all operating and control elements are not only crucial for the success of the extinguishing and the security of the operator, but also for the ease of use.



OUR "SMALL ONE" FOR BIG TASKS.



COMPACT. FAST. STRONG.

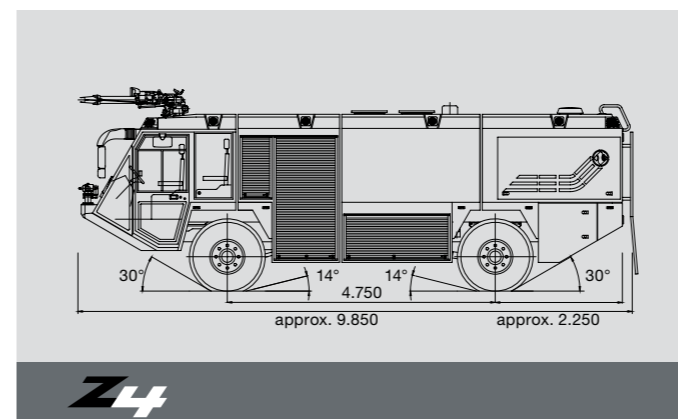
With the Z4, we offer the opportunity to design the vehicle more individually for airport fire brigades. As a supplementary vehicle or stand-alone unit – the Z4 convinces with its compact design and its enormous extinguishing power. Additionally, the Z4 also has excellent appropriate driving characteristics.

Chassis

- 26 tons permissible GVW
- Single-wheeled 4x4-all-wheel chassis
- Coil-spring suspension and disc brakes according to ECE R 13
- Up to 700 HP motor power
- Acceleration 0 – 80 km/h < 25 sec
- Fully automatic gear
- Available for Euro 3, 5 and 6

Extinguishing technique

- ZIEGLER Pump FPN 10-8000 (high pressure optional)
- Up to 7,000 liters extinguishing agent water/foam and 250 kg powder
- Roof turret with 3,800 l/min (alternatively up to 6,000 l/min)
- Bumper turret with 1,600 l/min
- Body/ground protection unit
- Rapid intervention hose reels



THE ALLROUNDER FOR THE RUNWAY.



■ UNIVERSAL. VIGOROUS. AGILE.

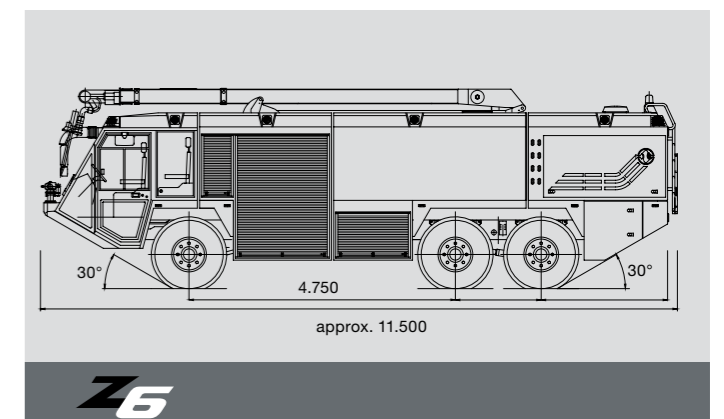
With the Z6 we offer an airport fire fighting and rescue vehicle that is suitable for all categories of airports. The volume of the equipment room is optimal to place the equipment for airports of category 10, the extinguishing volume is remarkable and the driving including the acceleration is impressive.

Chassis

- 39 tons permissible GVW
- Single-wheeled 6x6-all-wheel chassis
- Coil-spring suspension and disc brakes according to ECE R 13
- Up to 700 HP motor power
- Acceleration 0 – 80 km/h < 30 sec
- Fully automatic gear
- Available for Euro 3, 5 and 6

Extinguishing technique

- ZIEGLER Pump FPN 10-8000 (high pressure optional); alternative FPN 10-10000-H
- Up to 14,000 litres extinguishing agent water/foam and 500 kg powder
- Roof turret with 6,000 l/min
- Optional HRET-Z-Attack
- Bumper turret with up to 2,200 l/min
- Body/ground protection unit
- Rapid intervention hose reels
- Complete equipment according to Airport Category 10



THE FLAGSHIP OF THE Z-CLASS.



GIANT. FLEXIBLE. EXTREMELY POWERFUL.

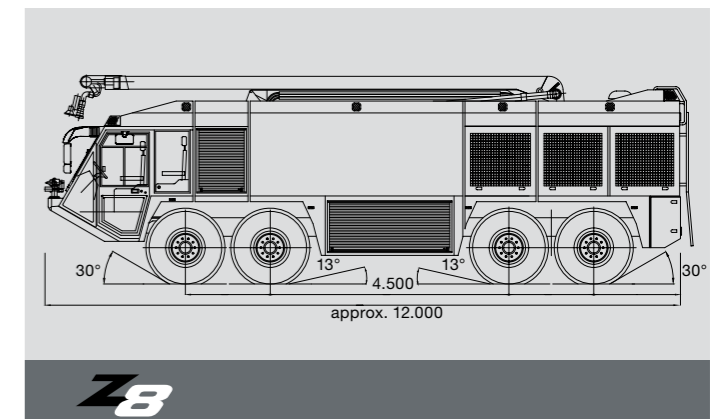
The Z8 impresses with its enormous size and a large extinguishing volume, which ensures a successful fire fighting attack in case of an emergency. The remarkable acceleration and excellent handling make sure that the vehicle is also quickly on the spot in rough terrain.

Chassis

- 52 tons permissible GVW
- Single-wheeled 8x8-all-wheel chassis
- Coil-spring suspension and disc brakes according to ECE R 13
- Up to 1,400 HP motor power
- Acceleration 0 – 80 km/h in 21 sec
- Fully automatic gear
- Available for Euro 3, 5 and 6

Extinguishing technique

- ZIEGLER Pump FPN 10-10000 (high pressure optional), optional driven by separate pump engine
- Up to 19,000 liters extinguishing agent water/foam and 1,000 kg powder
- Roof turret with up to 8,000 l/min
- Optional Z-Attack-HRET 17/20 meters
- Bumper turret with up to 3,800 l/min
- Body/ground protection unit
- Rapid intervention hose reels
- Complete equipment acc. to Airport Category 10



WE BUILD QUALITY. COMPONENT BY COMPONENT.

ZIEGLER PUMPS

The heart of the Z-Class are the thousandfold proven ZIEGLER fighting centrifugal fire pumps in one stage version. They are robust, extremely reliable, very low-wear, dirty-water insensitive and thus literally easy to maintain. The pumps are built in modular design. Thus they can be expanded within their performance spectrum and adapted to international or country specific standards.

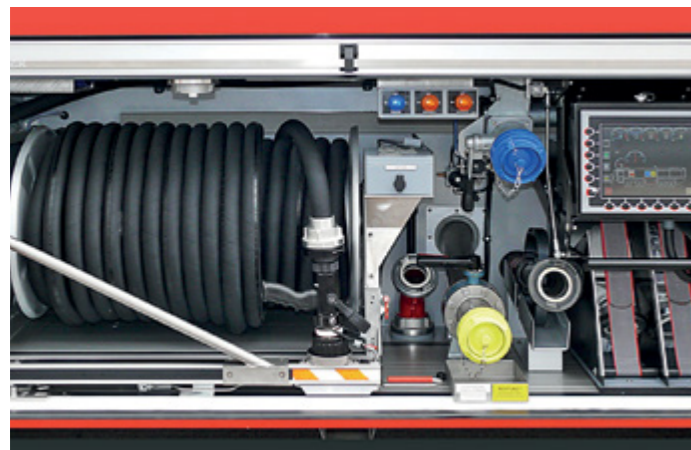
State-of-the-art test station and strict quality controls ensure, that each pump brings full performance – regardless of whether the temperature is – 30 °C or + 50 °C.



Additionally, we provide various camera systems in our vehicles. The interior lighting as well as the surrounding area and the light mast are equipped with LED-Lights.



Pump type
FPN 10-8000-1M
FPN 10-10000-1M



If quick help is needed: Our Rapid intervention hose reels is reliable in every single situation.



Each vehicle of the Z-Class is tested before delivery through its paces.

QUALITY – MADE BY ZIEGLER

The name “ZIEGLER” obliges – yesterday, today, tomorrow.

This consciousness is the guarantee that our vehicles and components are designed, engineered and produced with greatest care, craftsmanship and with a distinct passion. The daily dialogue with our customers is the basis for standard and special purpose vehicles, which globally have proven their quality – and provide comprehensive security.

Our vehicles and components “Made by ZIEGLER” keep the promise we give our customers: They are made of the best quality for a long life.



Z-ATTACK HIGH REACH EXTENDABLE TURRET (HRET)

New is our High Reach Extendable Turret (HRET) Z-Attack, which is used on the Z6 and Z8. The Z-Attack is designed by our own and produced at the factory in Giengen.

Technical Data and Advantages

- Maximum range of 17/20 meters
- Outreach 12/14 meters
- Delivery rate 6,000 l/min
- Optional delivery of additional extinguishing agents (powder, CAFS)
- Optimal backlash-free positioning of erecting cylinder
- Accurate position indicator on the display for the machinists through cylinder integrated position indicator
- Driving with extended Z-Attack possible up to 15 km/h
- Rapid square off of the desired attacking position (approx. 6 sec)





SERVICE – MADE BY ZIEGLER

Extensive instruction is carried out by our specialists of different areas before initial operation of a vehicle of the Z-Class. After the delivery of a vehicle every customer can rely on the competent ZIEGLER-Service, that is always available in case of an event.

- Worldwide guaranteed availability of our service team:
24 hours a day, 7 days a week
- Immediate assistance by remote diagnosis
- Skilled support specialists right after initial contact
- Pump warranty of spare part availability over decades
- ALPAS quality warranty
- Optional extended warranty for 5 years in conjunction with maintenance contract
- Refurbishment and renovation warranty
- Local service partners



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