



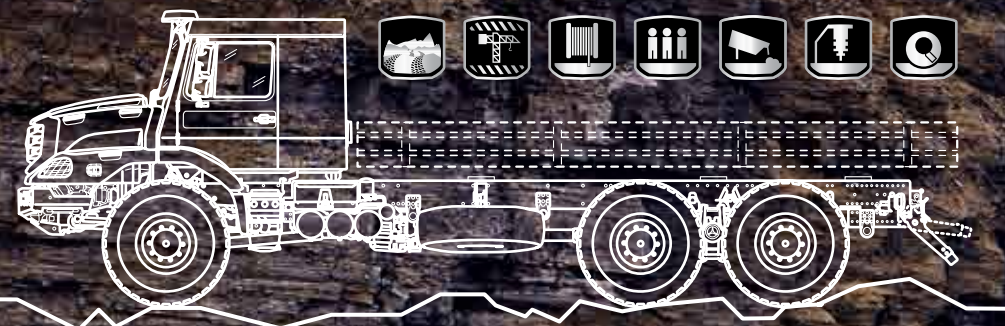
Mercedes-Benz Zetros

The off-road truck for the construction industry. 18-27 tonnes



Mercedes-Benz
Trucks you can trust

Conventional Cab Design



The position of the cab behind the front axle and the truck's suspension tuning provide an ideal off-road workplace in the Zetros.

Overall height



- Low entry height with 14 inch tyres
- Easy and safe entry and exit
- Fits through low headroom situations
- Crane or special superstructure possible over entire vehicle length

Comfort



- Familiar and comfortable steering behaviour
- Spacious workplace with 3 seats and up to 1400 litres of storage space
- Ergonomic due to the seat position behind the front axle
- Good visibility and controls within reach
- 4 clothes hooks, auxiliary heating system, heated windscreen etc.

Maintenance



- Quick and convenient access to the engine without tilting the cab
- Passengers can stay in the cab if weather is bad
- Integrated exit assistance for service or repairs and easy cleaning of windscreen

Handling



- Good drivability in difficult terrain due to cab position between the axles and even distribution of axle weight whether empty or loaded
- Special off-road suspension with permanent all-wheel drive, 2-speed transfer box with off-road ratio 1:1.69, reinforced frame, fully automatic torque converter, 3 differential locks
- Fording depth of 0.8 metres, optional 1.19 metres



The Zetros for Major Construction Sites

“The Zetros combines the best of both worlds – decades of off-road expertise and innovative truck technology.”

Klaus Sengfelder, Daimler AG, Zetros Product Manager



The Zetros for the Power Industry

“Overhead power lines are installed far from surfaced roads, so our people need the best possible equipment.”

Juha Luusua, CEO of Eltel Networks, Finland



Where there's no road, the direct route is the most economical



Advantages at a glance:

- Optimal off-road capabilities
- Robust technology
- Fast and safe off-road driving
- High transport capacity

With the modular concept of the Zetros, Mercedes-Benz has combined the best of both worlds: uncompromising off-road capability and high loads. In addition to the advantages of permanent all-wheel drive, a two-speed transfer box with off-road ratio and a 7.2-litre in-line engine with extremely high torque, the driver

feels relaxed and safe off road due to the conventional cab design. Longer journeys are less tiring and the lack of a transmission tunnel creates more space in the cab – as well as extra storage space. The Zetros competently masters extreme tasks while looking after the driver and passenger.

Latitude 67° north – and 30° below zero



Advantages at a glance:

- Optimal off-road capabilities
- Low overall height
- Flexible implement and equipment options
- 428 mm ground clearance under front differential

The installation and maintenance of power lines in Lapland, Finland means working under extreme conditions for Eltel Networks and the Zetros.

“Ice, snowstorms and extreme gradients – the highest demands on quality and reliability.”

Endless forests with difficult terrain and the Arctic climate require perfect technology and maximum reliability. For Eltel, the Zetros was fitted with a telescopic crane which reaches a height of approximately 30 meters above ground – plus an aluminium flatbed to

transport installation materials, crane grab and personnel cage. Due to the balanced weight distribution, it is also possible to fit heavy implements to the front of the vehicle. This is a clear advantage over cab-over-engine trucks. Another advantage is that the large tyres do far less damage to the forest soil than tracked vehicles would. This is an important argument for the Zetros in a country where the protection of untouched nature has top priority.

“We want to move through the forest with minimal environmental damage.”

The Zetros for Opencast Mining

“The Zetros is the perfect workhorse for extreme tasks.”

Extreme terrain and 10-ton load

The Zetros at work for opencast mining operators and as a special vehicle for mining engineers to inspect bore holes.

“In these lunar landscapes one needs the right ground clearance.”

This means extreme gradients, long distances with standing water, routes that can only be guessed at – and heavy loads: hydraulically controlled loading crane, hydraulic three-way tipper, compressors, water tanks and special tools. The improved weight distribution of the

conventional cab design makes driving off-road for many hours much more comfortable, the big 14.00 R20 tyres provide the required ground clearance and the 6-speed Allison converter automatic transmission allows gear changes without interrupting traction.

“Gear changes are barely perceptible.”

The Zetros impressively demonstrates its off-road capabilities in enormous opencast areas.

Advantages at a glance:

- Optimal off-road capabilities
- Comfortable and ergonomic
- Fully automatic for smooth gear shifts
- Forging depth up to 1.19 metres



Tons of Work. No Roads

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Mercedes-Benz Zetros

Truck design. Technical specifications

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