



Trade fair premiere  
InnoTrans 2018

## The Unimog U 423 road-railer as rescue vehicle for urban rail networks.

- Crew cab for up to 7 persons
- Rail gear for operating on tight curve radii tramway networks
- Towing a broken-down tram in an emergency
- Capability of use of mechanical, hydraulic and electrical Unimog interfaces
- Body-specific chassis modifications via Mercedes-Benz Custom Tailored Trucks (CTT), including e.g. wheelbase extension to 4500 mm
- Box body for transporting hydraulic rerailing equipment and tools



Further information is available online:  
[mbs.mercedes-benz.com/unimog-road-railer](https://mbs.mercedes-benz.com/unimog-road-railer)

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Illustration similar

## Technical data

### Chassis

|                    |   |
|--------------------|---|
| Model              | Mercedes-Benz Unimog U 423  |
| Engine             | <ul style="list-style-type: none"> <li>• Output 170 kW (231 hp)</li> <li>• 4-cylinder diesel (OM 934 LA)</li> <li>• Emissions category Euro VI</li> </ul>   |
| Wheelbase          | 4500 mm   |
| Transmission       | <p>Mercedes-Benz fully synchronised quick-reverse gear unit with 8 forward and 8 reverse gears</p> <ul style="list-style-type: none"> <li>• Top road speed: 90 km/h</li> <li>• Top rail speed (technical): 50 km/h forwards and in reverse</li> </ul> |
| Axles/drive system | <ul style="list-style-type: none"> <li>• 4x4 permanent all-wheel drive with interaxle differential lock</li> <li>• Differential lock on front and rear axles</li> </ul>   |
| Wheels             | Track gauge for driving on rails via vehicle wheels for maximum traction  |

### Optional equipment

- Torque converter clutch for smooth start-off with heavy towed loads – zero wear and tear
- Bi-xenon headlamps, LED daytime running lamps
- Hydraulic interface for rail gear
- Engine PTO incl. front PTO
- Trailer coupling
- Hot-water auxiliary heater
- Windscreen, heated
- Hydraulic system, 2-circuit, 3-cell, fully proportional
- Weight variant 13.8 t
- Central locking
- Suspension seat, air-sprung with seat heating, driver
- Twin co-driver's seat
- Front mounting plate, DIN 76060
- Bearing bracket for height-adjustable trailer coupling

### Standard equipment

- Anti-corrosion cab made from fibre composite material, tested in accordance with ECE-R29/2
- Panoramic windscreen
- Steering column adjustable for height and tilt
- Multifunction steering wheel
- Air conditioning system
- Heating and ventilation system with 4 levels of adjustment, pollen filter
- Exhaust gas aftertreatment with SCR catalytic converter and diesel particulate filter
- Two-stage high-performance engine brake
- Anti-lock braking system (ABS)

### Attachments and bodies

- ZAGRO bogie rail gear for tight curve radii from 17 m
- Signal light system and approval in accordance with BOSTrab (regulations for tram networks)
- KRONENBURG crew cab for Unimog implement carriers
- ZAGRO box body for transporting hydraulic rerailing equipment and tools
- Front hydraulics (driven via front PTO shaft on the Unimog) for the operation of rerailing equipment
- LED flood lights with separate battery package
- RETTBOX®-AIR for maintaining battery charge and for compressed air supply with automatic ejection mechanism upon vehicle start