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The Unimog U 423 road-rail shunting vehicle with loading crane.

- Economic and flexible shunting vehicle with low fuel consumption
- Shunting loads of up to 1000 t
- Remote control for efficient shunting operations
- High towing capacity thanks to torque-converter clutch
- Additional benefits thanks to attached loading crane



Further information is available online:
mbs.mercedes-benz.com/unimog-road-railer

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Technical data

Chassis

Model	Mercedes-Benz Unimog U 423
Engine	<ul style="list-style-type: none"> • Output 170 kW (231 hp) • 4-cylinder diesel (OM 934 LA) • Emissions category Euro VI
Wheelbase	3000 mm
Transmission	Mercedes-Benz fully synchronised quick-reverse gear unit with 8 forward and 8 reverse gears <ul style="list-style-type: none"> • Top road speed: 90 km/h • Top rail speed (technical): 50 km/h forwards and in reverse
Axles/drive system	<ul style="list-style-type: none"> • 4x4 permanent all-wheel drive with interaxle differential lock • Differential lock on front and rear axles
Wheels	Track gauge for driving on rails via vehicle wheels for maximum traction

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)

Optional equipment

- Torque converter clutch for smooth start-off with heavy towed loads – zero wear and tear
- Engine PTO to rear for driving a powerful compressor
- Transmission power take-off for driving crane hydraulics
- Trailer brake, 2-line
- Hydraulic system, 2-circuit, 3-cell, fully proportional
- Monitor and camera system
- Twin co-driver's seat
- Suspension seat, air-sprung with seat heating, driver
- Activated carbon filter
- Attachment brackets for heavy implements/crane bodies
- Front mounting plate DIN 76060
- Pre-installation for radio remote control
- Weight variant 13.0 t

Attachments and bodies

- ZWIEHOFF rail gear and rail technology
- Software in accordance with DIN EN 13849-1 and EN 50239
- Knorr wagon brake system, type VV90T
- Compressed air quality in accordance with ISO 8573, Class 2-2-2
- Hiab loading crane, type XS 111 E-5 HiDuo
- Lifting capacity: max. 97 kNm, reach (hydr.): 12.4 m