



UNIMOG

FRONT LOADER AND FRONT LINKAGES

INNOVATION WITH TRADITION FOR LIFE.



Mercedes-Benz Unimog ExpertPartner

MAKE YOUR UNIMOG MULTIFUNCTIONAL.

The development in **close cooperation with Mercedes-Benz and the distribution through authorised specialist partners** guarantees a perfect construction of the front loader on the Unimog.

Optimally suited to the Unimog, the RX 500 **handles loading and transport works with ease.** The front loader can be parked quickly, safely and easily without any additional tools.

The coupling brackets are constructed in a way, that after parking the front loader, the front attachment area of the vehicle can be used for other devices.

In addition we offer **various implements** from our extensive product program, as well as **snow ploughs** for the Unimog. The snow plough series SRS with the perfect release system is the ideal partner for your winter service with your Unimog.



Serial equipment:

- Front loader Parallel-o-Matic POM-RX 500 with mechanical parallel guidance, hydraulic lines up to the couplings on the front of the vehicle
- Front mounting plate size 3 or size 5 with front loader attachment
- Support beam fitting to wheel base
- Hydraulic lines are mounted at the lower side of loading arm
- Shut-off valve in the lifting line
- Replaceable bearing bushes in all bearing points
- Double acting lifting cylinder with changeable ball-joint bearings
- 2-way pressure relief valve with return flow to protect the tilting and lifting cylinder against mechanical overload
- Switchable rapid movement valve for 2 tilting velocities
- Quick change assembly for implements prepared for load hook, original Hauer or EURO-hooks
- Transport securing device for driving on roads
- Level indicator for showing position of the implements
- Hydraulic connection to cell 1 and cell 2 (left side of vehicle)

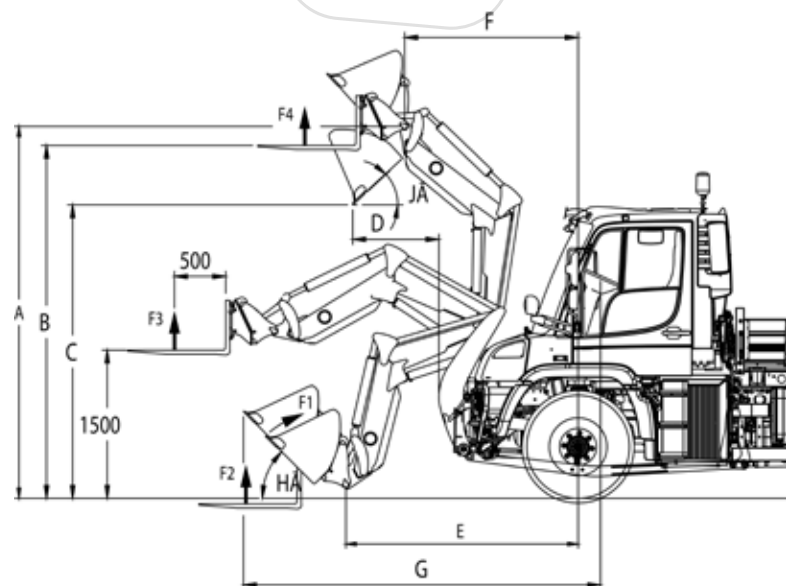


Optional:

- SMS shock absorption system
- Additional lines, right side, up to the quick change device
- Load hook
- Security package
- Earth bucket short, fitting to the vehicle
- Rear counter weight (empty 165 kg, filled with gravel approx. 950 kg)
- Support beam fitting to Dürker torsion frame without reduction of ground clearance
- Front camera holder

Technical data RX 500

| | | | |
|----------------------------------------------------|----|----|------|
| Weight | | kg | 950 |
| Max. lifting height - implement rotating point | A | mm | 3620 |
| Max. lifting height - pallet fork | B | mm | 3440 |
| Free dumping height | C | mm | 2860 |
| Dump reach at max. lift height | D | mm | 840 |
| Front axle - implement rotating point lowered | E | mm | 2270 |
| Front axle - implement rotating point raised | F | mm | 1690 |
| Center of steering wheel, earth bucket tilted back | G | mm | 3490 |
| Tilting angle | H | ° | 45 |
| Dumping angle | J | ° | 42 |
| Breaking force at the cutting edge | F1 | kg | 2200 |
| Lifting force on the ground with pallet fork | F2 | kg | 1870 |
| Lifting force up to 1500 with pallet fork | F3 | kg | 1780 |
| Lifting force max. height with pallet fork | F4 | kg | 1470 |



| Type | | U216/U218/ U219 | U318/ U319 | U423/U427/U429/ U430/U435 | | | U527/U529/U530/ U535 | |
|------------|----|--------------------|---------------|------------------------------|---------|---------|-------------------------|---------|
| Type nr. | | 405.090 | 405.104 | 405.105 | 405.110 | 405.125 | 405.202 | 405.222 |
| Wheel base | mm | 2800 | 3000 | 3000/3150 | 3150 | 3600 | 3350 | 3900 |

Specifications are approximate and not binding. They can vary depending on vehicle type and tyres. Measured at 210 bar.



FRONT LINKAGE FOR YOUR UNIMOG.

As part of the Mercedes-Benz Unimog Expert partnership, the FSU front linkage has all the necessary approvals from Mercedes-Benz for worldwide use and distribution through the Unimog dealer network.

The front linkage FSU was especially developed for the Unimog vehicles 200, 300, 400 and 500 Bluetec 6.

It is available in different versions to suit the respective vehicle type, with lifting forces from 1400 to 2170 kg. It is connected to the coupling plate CP 3 or CP 5, or the front mounting plate DIN 76060 form B size 3 or form A size 5.

- Robust welding unit made of high-quality steels
- Solid lower links
- Large dimensioned screw connections and bolts
- Compact design
- Foldable lower links are close to the machine, with Walterscheid couplers
- Compatible with front PTO



Standard specifications:

- Foldable lower links, optionally detachable
- Walterscheid couplers
- Lockable pendulum compensation
- Ball sockets on rams
- Double acting lift rams
- Tap
- Lowering speed control valve in the lifting line
- Integrated coupling device
- Top link
- Incl. screws and bolts
- Hydraulic connection to cell 1 (left side of vehicle)



Optional:

- Rear counter weight
(empty 165 kg, filled with grit approx. 950kg)

| Technical data | | FSU-14-CP3 | FSU-18-CP3 | FSU-14-CP5 | FSU-18-CP5 | FSU-22-CP5 |
|-----------------------------|------------|------------|------------|------------|------------|------------|
| Weight (standard equipment) | approx. kg | 198 | 199 | 211 | 212 | 213 |
| Possible with Unimog type | | from U216 | from U318 | from U216 | from U318 | from U423 |
| Lifting force* | kg | 1400 | 1770 | 1400 | 1770 | 2170 |
| Front mounting plate code | mm | CP3 | CP3 | CP5 | CP5 | CP5 |
| Category DIN/ISO 730-1 | Cat | 2 | 2 | 2 | 2 | 2 |
| Lower hitch spacing | mm | 825 | 825 | 825 | 825 | 825 |
| Coupler (ball size) | Cat | 2 | 2 | 2 | 2 | 2 |

*Lifting force at lower link hook in horizontal position





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