

HD-O / MD-O



The lubefree suspension
for off-road use





Winning advantages

The hydraulic suspensions for off-road use such as agriculture & forestry or roadworks

The MD-O and HD-O are excellently suited to the challenging conditions of off-road terrain and heavy loads. The suspension is used in agriculture, forestry and civil engineering applications. The unique torsion-free construction ensures a very stable ride, thanks to large spring travel in all directions.

The maintenance costs of the suspension, axles and chassis are greatly reduced because of the lack of torsional forces and the use of maintenance-free bearings.

In addition to the suspensions TRIDEC offers the TD-O drawbar as an all-round solution for off-road vehicles. This fixed drawbar has a flexible modular design with the following options:

- Hydraulic support leg
- Hydraulic suspension
- Hydraulic steering
- Traction improvement



This load depending traction improvement ensures optimal front axle traction of the tractor. Besides a more comfortable ride it saves weight as front weights are unnecessary.

At home off-road

- All-terrain
- Large suspension stroke in all directions
- High roll axis
- Torsion-free suspension
- Optimum stability
- Levelling
- Large ground clearance

Noticable savings

- Low-maintenance
- Less wear and tear on tires, axles and frame
- Reduced fuel consumption

Increased comfort

- Maximum roll and directional stability
- Easy towing in both on-road and off-road use
- Optimum manoeuvrability and agility
- A great deal of ease while driving at higher speeds

Trailers fitted with original TRIDEC steering systems and suspension offer the best option when it comes to safe cornering. These are often copied but never match to the TRIDEC quality standards. With solid and innovative solutions TRIDEC is the market leader for steering systems. Its reliability is demonstrated by over 60,000 systems delivered worldwide. Part of JOST-World. You can rely on TRIDEC.



Winning technology

When transporting heavy loads off-road, the chassis is subjected to the hardest test of resilience and stability. The construction of the TRIDEDEC HD-O and MD-O suspensions is unique and a product of TRIDEDEC's long-standing experience in developing axle suspension systems. The HD-O and MD-O can be combined with axles from most common manufacturers. The axle beams are simply bolted into brackets so welding to the axle is not necessary.

The high roll axis, close to the center of gravity, reduces the vehicle's angle of inclination and protects the chassis because no torsional forces are transferred.

Installation and maintenance

- Parts are delivered pre-assembled
- Plug and play installation
- Low maintenance due to high quality materials and solid construction
- Maintenance-free rubber bearings

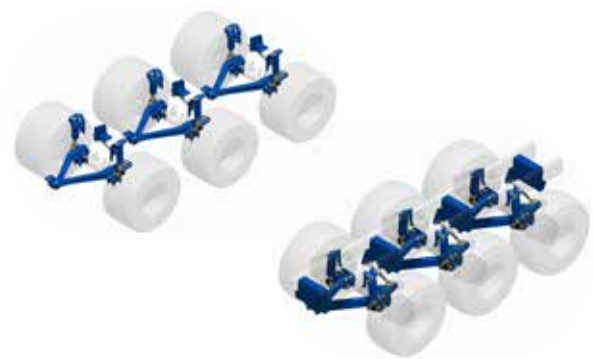
Ideal functionality

With the TRITRONIC Trailer Management System

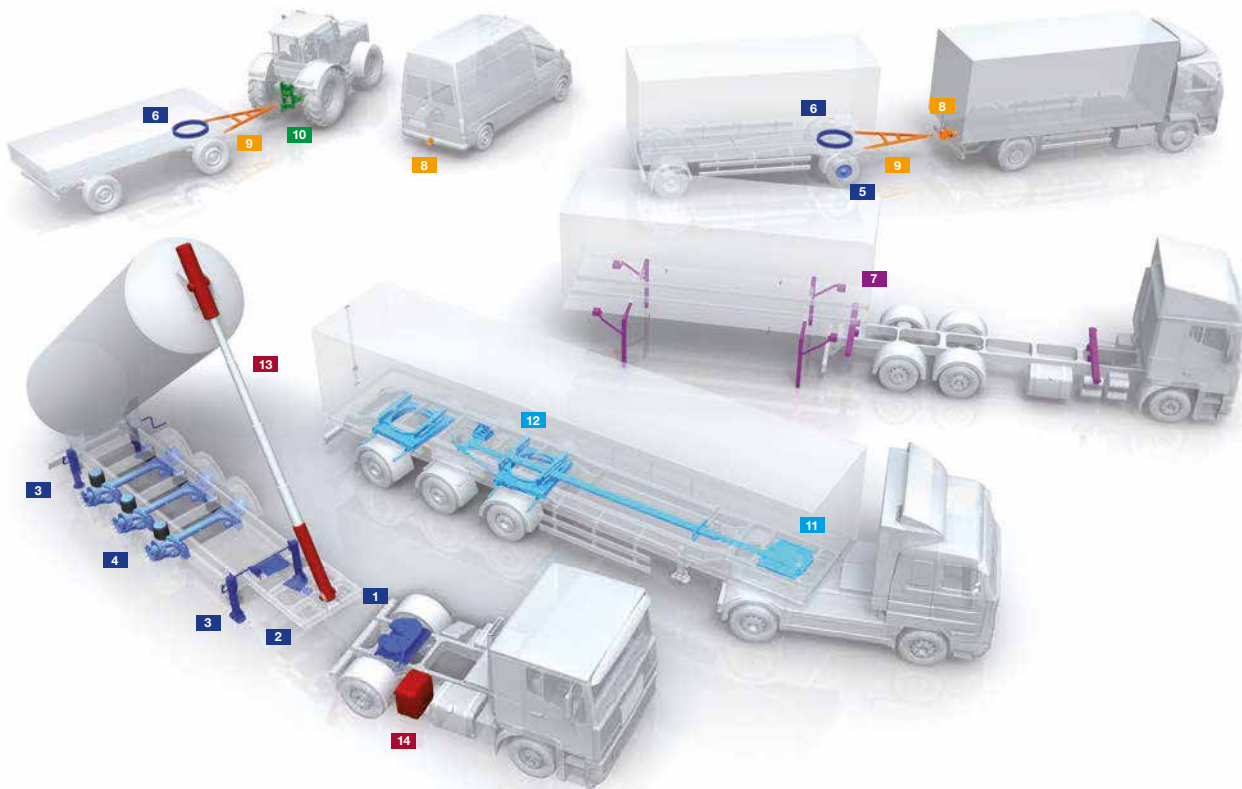
- Automatic ride height adjustment
- Water level function
- Axle alignment
- Load indication
- Slope control
- (Automatic) lift axle
- Draw bar functions

Specifications	Drawbar
Drawbar load	4t on coupling
Suspension travel	420mm on coupling
Dc-value	106,5kN*
Tow angle	Up to 60°
Approval	E4-55R-010759

* Can be limited by Dc-value calotte



Specifications	MD-O	HD-O
Axle load	10t	14t
Suspension stroke	200 - 250mm	260mm
Swivel travel	Up to 500mm	Up to 400mm
Weight per axle-line	240kg	320kg (excl. console)
Suitable axles	□ 120, 130, 140, 150mm	□ 150mm
Axle spacing	> 1600 mm	1600 / 1700 / 1810 mm



JUST



1 Fifth wheel couplings and systems
2" and 3 1/2" fifth wheel couplings in a variety of construction heights, bearing types and versions, mounting plates, sliders and dual-height fifth wheel systems; sensor-controlled systems for the coupling procedure between truck and trailer



2 King pins
2" and 3 1/2" king pins with a conical or plate-shaped flange



3 Landing gears
Landing gears with variable bolting heights, crank handles, connection shaft-lengths and foot types, special landing gears for special applications



4 Axle systems
Weight-saving trailer axles with various special equipment for a wide range of uses



5 Hubodometers
Used to calculate distance driven, independent of the truck



6 Ball bearing turntables
Ball bearing turntables and slewing rings in a wide range of sizes and versions



7 Container technology
Components for intermodal transports, supports, twist locks and bolsters, swap body lifting devices, guide roller bearings and bearings

ROCKINGER



8 Road traffic
Open-end, hook and ball towing hitches, suspension elements, VARIOBLOCK alternating system and special models



9 Drawbars and towing eyes
Drawbars and towing eyes as well as custom-made products for on and off-road usage



10 Agriculture
Open-end, hook and ball towing hitches, height adjustable brackets and clutch carriers for agriculture and forestry

TRIDEC



11 Steering systems
Axel-independent or manufacturer-independent mechanically, hydraulic and electronically controlled steering systems for trailers



12 Axle suspensions
Air suspension or hydraulically suspended axle suspensions for on and off-road usage

Edbro



13 Vehicle-mounted hydraulic systems
Front end, underbody and tipping ejector cylinders for trucks and trailers/trailer tipper

14 Customer-specific hydraulic component kits
Hydraulic component kits for various applications, chassis-specific hydraulic container component kits

Member of **JUST**-World

JUST, Germany Tel. +49 6102 295-0, jost-sales@jost-world.com, www.jost-world.com

TRIDEC, NL, Tel. +31 499 49 10 50, sales@tridec.com, www.tridec.com