

HS



Hydraulic Steering System

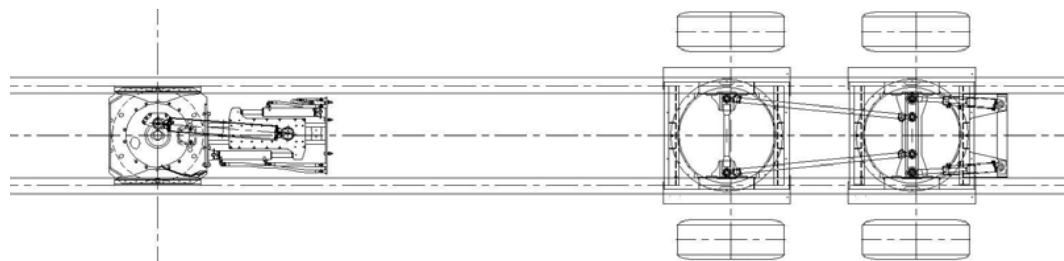


The hydraulic steering system with turntable steered axles for heavy duty distribution transport and special transports



Winning advantages

The hydraulic steering system with turntable steered axles for extendible trailers, tank trailers, rock transport and ballast trailers



The TRIDECS HS steering system is a hydraulic steering which is suitable, for example, for transporting construction materials or ballast and other trailers used in heavy industry. The HS system can also be used for extendible trailers and self tracking dollies.

The HS system is able to steer up to four axles, possibly in combination with non-steered rigid axles. The trailer can also be equipped with the TRITRONIC manual control, which makes your vehicle even more manoeuvrable.

Increased accessibility

- Large steering angles (45°) possible
- Ideal manoeuvrability
- Highest stability
- Improved agility

Noticeable savings

- Lower fuel consumption
- Less tyre wear
- Low maintenance
- Protection against vehicle and collateral damages

Increased comfort

- Even under poor road conditions
- Suitable for transporting long goods
- Extendible transport possible

Optimally adjustable

with the TRITRONIC manual control

- Wireless manual control or via cable
- Automatic axle alignment
- Nine additional dual-effect hydraulic functions or 18 electrical functions possible (or a combination of both)

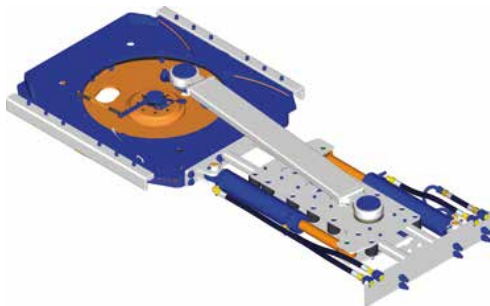


Winning technology



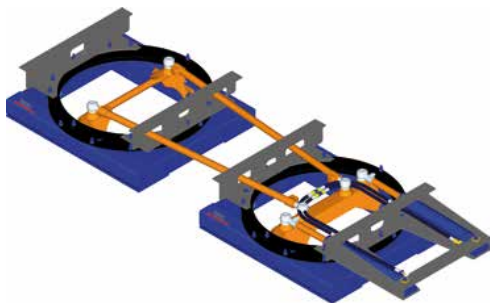
Splined bolt

Welding the thrust plates is no longer required due to the use of special TRIDEC screws for mounting the rim bearing on the chassis.



Engineering

TRIDEC features a progressive department Engineering which supports the entire technical preparation and execution of your order. A turning circle calculation can be performed with specially developed software, which, taking statutory regulations into account, simulates the road space your trailer requires. We can combine your and our system to a single unit (in consultation with the department Engineering) using interference checking and construction recommendations. The result is an ideal steering behaviour combined with minimal tyre wear.

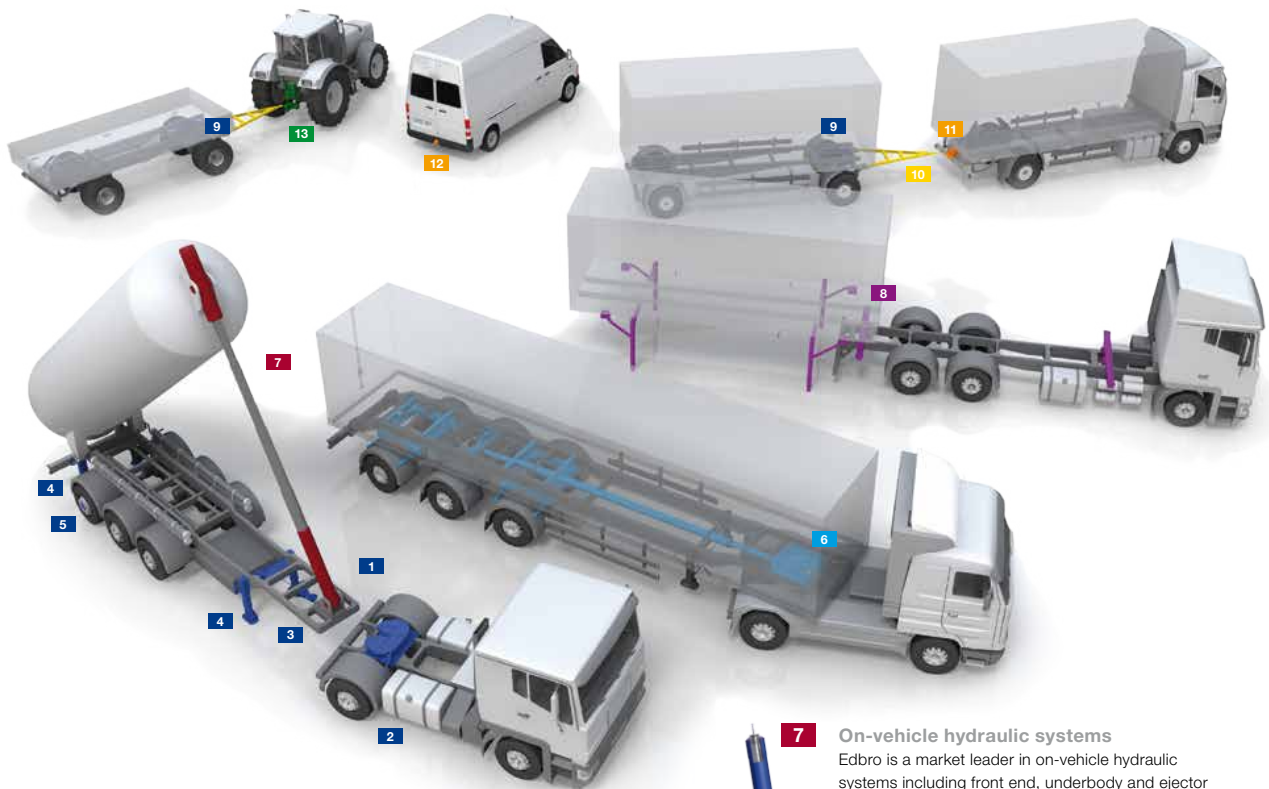


Maintenance

Maintenance of the HS system from TRIDEC is limited to lubricating the rim bearings several times, a visual inspection of the hydraulic components and retightening the bolt connections. This low maintenance requirement is the result of using high-quality materials and durable construction. The rim bearings have a special sealing. All lubricating points are grouped together in an easily accessible location.

TRIDEC is an innovative company specialised in the development and manufacture of mechanical and hydraulic steering systems and axle suspension systems for all types of towed vehicles. TRIDEC has been part of JOST-World since 2008.

Products JOST-World



1

Systems

Sensor-controlled systems monitor and automate manual processes, thus providing for more safety and efficiency in your fleet.



2

Fifth wheel couplings

We offer a wide selection of fifth wheel couplings, 2" and 3 1/2" in a wide variety of mounting heights, bearing types and models. The program is completed by mounting plates, sliders and dual height fifth wheel systems.



3

King pins

King pins are available in 2" and 3 1/2" for all systems in various models.



4

Modul landing gear

Any customer specs can be fulfilled thanks to the landing gear's modular construction with variable mounting and bolting heights, its differing crank and connection shaft lengths and its four different foot types. Furthermore, JOST offers a multitude of special landing gears for special applications.



5

Hubodometer

The range of products includes various hubodometers for calculating the distance driven, independent of the vehicle, for all types of wheeled vehicles.



6

TRIDEC

TRIDEC develops and produces – independent from axle or trailer manufacturer – mechanically, hydraulically and electronically controlled steering systems for trailers as well as axle suspension systems.



7

On-vehicle hydraulic systems

Edbro is a market leader in on-vehicle hydraulic systems including front end, underbody and ejector cylinders, waste handling equipment and customised hydraulic kit solutions.



8

Container equipment

Parts for alternating systems, supports, locks and bolsters, swap body lifting devices, guide rollers and bearings – all components required in a flexible fleet.



9

Ball bearing turntables

The ball bearing turn tables and slewing rings were the first products that JOST produced. The wide range of top-quality ball bearing turn-tables is based on this experience.



10

Drawbars and drawbar eyes

Drawbars and towing eyes are available in various models and can be designed to suit the customer's specific needs.



11

Towing hitches

There is a multi-faceted range of products for road traffic available – towing hitches, hook trailer hitches, towing eyes, accessories and special models.



12

VARIOBLOC

VARIOBLOC is a multi-functional alternating system for transporters, cross-country vehicles and busses. Courtesy of a quick-change plate, it enables towing hitches, hitch balls or hook trailer hitches to be changed rapidly.



13

Agricultural hitches

An extraordinarily extensive range of products for agriculture and forestry: Towing hitches, trailer trestles, clutch carriers, towing eyes, drawbars and accessories.

JOST **ROCKINGER** **TRIDEC** **Edbro**

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