Systems and components for transporting logs
Components for transporting logs: From specialists for specialists

Log transport places highest and diverse demands on the transport industry. An economical operation requires high payloads and particularly robust vehicles. JOST, with its comprehensive range of components and systems, is the perfect partner for vehicle construction in the timber industry.

Log transport is work for specialists. Off-road assignments with steep slopes, tight corners and extreme climate conditions are as much a challenge as the long distance transport or distribution. Competitive vehicles must be extremely robust and strong while being able to accommodate a maximum payload.

With the strong brands JOST, ROCKINGER, TRIDEC and Edbro, JOST offers a wide range of products from a single source, including tailor-made components suitable for vehicles which transport long or short logs across the globe. JOST can develop the best solution for every task thanks to its comprehensive competence in road transport and forestry.

JOST – The strong core brand
The core brand includes traditional products for truck and trailer manufacturers, such as ball bearing turntables axles, fifth wheel couplings and landing gears. Based on these products, the company has developed systems that serve to automate, control and monitor activities that were previously done by hand. Sensor-controlled solutions not only make operation easier and safer, but also more efficient.

The acquisition of Mercedes-Benz TrailerAxleSystems and its renowned DCA and DLS series made JOST one of Europe’s largest manufacturers of truck and trailer axles.

*1952
JOST established the cast steel fifth wheel coupling and developed the first landing gear with internal gears

*1952
Because no two trailer hitches are alike, TRIDEC offers modular and customized solutions. They can be found in all application areas, from single-axle city trailers to 250 t hydraulically-steered transport platforms.

**Edbro – Lifting expectations**
Edbro is a leading supplier of vehicle-mounted hydraulic systems for commercial vehicles. Be it front, underfloor, dumping and extension cylinders for trailers or customer-specific hydraulic construction kits in low-maintenance versions – special processing methods make the cylinders extremely light and highly robust. The result is increased payloads and reduced cycle times.

**ROCKINGER – For increased traction**
Be it standard towing hitches or sensor and remote-controlled, slack-free comfort coupling – the long-established brand offers an extremely versatile, high-quality and reliable product range. No wonder that ROCKINGER is regularly named the “best brand” in the towing hitches sector by end customers. The robust products are available both for road use and for use in agriculture and forestry.

**TRIDEC – The solution for individualists**
Improved manoeuvrability, smaller turning circles, reduced tyre wear and lower fuel consumption – crucial factors in a world where efficiency and economics are becoming ever more important in every aspect of our lives.

*1875, 2001 Member*
*is the inventor of automated towing hitches*
*1916, 2012 Member*
*developed the world’s first universal steering system*
*1900, 2009 Member*
*invented the world’s first front-end telescopic cylinder*
*1916, 2012 Member*
At a glance

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**Bold** Listed in this flyer

* Particularly suitable for use in Scandinavia.
ROCKINGER

Towing hitch

Drawbar

Steering systems and accessories

Hydraulic systems and accessories

HS Steering systems
TRITRONIC
High Voltage Alert
EBA crane pump

RO 57
RO 430
RO 530
RO 40E
RO 50

GZY, GNZ
GZY 44
GZY, GZLV
GNZ 50 HD

GZY, GNZ
GZY 44
GNZ 50 HD

RO 530
RO 50E
RO 50
RO 57
RO CM75
Towing eyes

High Voltage Alert
EBA crane pump
Semi-trailers

High voltage alert
- Increased safety when working under power lines
- Clear warning to operator of potential danger in tipping
- Reduces the risk of power line contact, improving the safety of tipping

EBA crane pump
- 12 to 108 cm³/rev displacement
- High pressure (400 bar mwp)
- Compact size for easy installation
- Ideal for close coupled PTO mounting
- Reversible rotation whilst installed
- Ideal for close coupled PTO mounting
- Reversible rotation whilst installed

JSK 37 C
- Robust 2" cast fifth-wheel coupling for universal use
- Particularly suited for use on poor road conditions
  - Rubber mounting with excellent shock absorbing properties
- Optional with integrated automatic lubrication LubeTronic 5Point and/or sensor system

King pins
- 2" and 3½" King pins
- Optional: KTL coated
**Modul landing gear**

- Proven modular ordering system
- Significant increase in lifting capacity compared to similar products
- Patented drive, perfectly protected by internal construction
- Excellent corrosion protection
- 3 year guarantee

Modul B: standard landing gear that can be used universally
Modul CH: Heavy duty landing gear
Modul CF: Drop leg with telescopic lift
Modul CK: Folding leg with telescopic lift

**Modul B**

- Standard landing gear that can be used universally
- Light weight enables high payloads
- Reduction in wear on the tire
- Reduced fuel consumption
- Modular construction

**Modul CH**

- Heavy duty landing gear
- Ideal manoeuvrability
- Highest stability
- Improved agility

**Modul CF**

- Drop leg with telescopic lift
- Hydraulic steering system with turntable steered axles
- Up to four steered axles, possibly in combination with non-steered rigid axles.
- Low maintenance
- Excellent corrosion protection

**Hydraulic HS steering system**

- Hydraulic steering system with turntable steered axles
- Up to four steered axles, possibly in combination with non-steered rigid axles.
- Low maintenance
- Ideal manoeuvrability
- Highest stability
- Improved agility
Short log transport

**Spring locking bar**
- Locks the supporting tube in the support bearing
  - Production process in line with the highest automotive standards
  - Robust, durable design for the most difficult applications
  - Can be installed either to the left or right

**Trailing axle**
- Rigid, liftable axles for supporting heavy loads.
  - Suitable for 6x2 and 8x4 vehicles
  - Ideal power to weight ratio
  - Compact design

**RO•40 E**
- Proven ROCKINGER release lever technology
  - Future-proof – prepared for the new sensor technology
  - Safe and exact bolt release
  - Simple and easy coupling and decoupling – even with difficult drawbar eye angles
  - Always ready to engage
  - Upgradable with various remote controls and remote displays
  - Proven and permitted in accordance with the latest ECE R 55-01
  - Practice-oriented load conditions

**RO•57**
- With a D-value of up to 300 kN and a V-value of up to 95 kN, it can withstand extremely high loads.
- Low maintenance through special grease filling for extreme temperatures.
- Available with pneumatic remote control ex-works or as an upgrade kit
- Proven and permitted in accordance with the latest ECE R 55-01
**Drawbars GZY, GNZ**
- GZY with more freedom when manoeuvring
- Lightweight construction concepts for higher payloads
- D-value of up to 206 kN
- Lengths up to 4,000 mm possible
- GZY 44 with 57 mm drawbar eye for 44 t trailers
- GNZ 50 HD for highest load values

**Drawbars GZV, GZLV**
- Extendable
- Pneumatically lockable (GZLV)
- D-value of up to 190 kN
- Extension up to 4,350 mm possible

**Ball bearing turntables**
- Single-row and double-row ball bearing turntables
- KTL coating for premium corrosion protection
- Special drill templates available upon request.
- Optional: Central lubricant dispenser for simplified lubrication

**Hubodometers**
- Used to calculate distance driven, independent of the truck, for example trailers, semi-trailers, low-loaders
- Hermetically-sealed measuring unit
- Maintenance-free
- No formation of condensation
- Tamper-proof
Long log trucks

**EBA crane pump**
- 12 to 108 cm³/rev displacement
- High pressure (400 bar mwp)
- Compact size for easy installation
- Ideal for close coupled PTO mounting
- Reversible rotation whilst installed
- Ideal for close coupled PTO mounting
- Reversible rotation whilst installed

**High voltage alert**
- Increased safety when working under power lines
- Clear warning to operator of potential danger in tipping
- Reduces the risk of power line contact, improving the safety of tipping
Ball bearing turntables
- Single-row and double-row ball bearing turntables
- KTL coating for premium corrosion protection
- Special drill templates available upon request.
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Hydraulic HS steering system
- Hydraulic steering system with turntable steered axles
- Up to four steered axles, possibly in combination with non-steered rigid axles.
- Low maintenance
- Ideal manoeuvrability
- Highest stability
- Improved agility

TRITRONIC
- Trailer Management System for fine-tuned control with wireless remote control
- Automatic tracking of the steering
- Various other electric and/or hydraulic functions
Central axis trailers

**Spare wheel holder**
- For picking up spare wheels
- Available for various diameters

**RO•50**
- Improved handling thanks to one-piece hand lever, also available as downward hand lever
- Rotatable bolt – uniform, reduced wear
- Easier to repair thanks to the improved ROCKINGER component system

**RO•50E**
- Proven ROCKINGER release lever technology
- Safe and exact bolt release
- Simple and problem-free coupling and decoupling – even with difficult drawbar eye angles
- Always ready to engage
- Rotatable bolt – uniform wear
- Practice-oriented load conditions
Cross member RO•CM75
- Suspension elements and side plates
- Can withstand particularly high loads
- Versatile installation

Drawbar eyes
- Robust and durable
- 40, 50 or 57.5 mm

Modul CD
- Drawbar landing legs rigid
- Available swivelling or fixed
- Maximum lift at low mounting height
- With rigid sand shoe

Modul CC
- Compact landing gears (with and without swivel bearing)

RO•57
- Can withstand extremely high loads
- Low maintenance through special grease filling for extreme temperatures.

RO•530
- Particularly robust comfort coupling for 50 mm drawbar eyes
- Slack-free, with buffers, dampened
- Easy to repair thanks to the innovative ROCKINGER component system

DLS Series
- Chassis solution for 10.5-ton axle loads
- Optimized heat economy through the intelligent arrangement of the wheel hub and brake disc.
- Broad range of wheel-spring track combinations for all conventional ride heights
Greater safety and comfort – even in log transport

For the various individual requirements which arise during log transport, JOST and ROCKINGER offer a wide variety of upgrade and conversion kits which ensure greater safety and comfort. And if a wear part does have to be replaced, you can rely on the original spare parts kits.

Remote controls and remote displays for towing hitches
Today's design of articulated trains can lead to towing hitches that are difficult or impossible to reach. The comprehensive program of upgrade kits for remote controls and remote displays from ROCKINGER ensure greater safety and comfort. The remote controls are especially used for motor vehicles where there is not enough room to open the towing hitch with the hand lever. The operation requires little effort, and is also very convenient thanks to the ergonomic lever. Remote displays and remote controls help ensure the locking position and thanks to the display in the driver's cab, the driver can save himself additional walks. For example:

Electro-pneumatic remote control not only facilitates coupling and decoupling – It also saves walking: It can be operated right in the driver's cabin.

Suspension elements and side plates for the mounting of towing hitches
With the suspension elements and side plates ROM 75-2, the towing hitches can be installed on the motor vehicles. They are extremely strong for versatile use. The side plates enable the towing hitches to be installed half or completely under the vehicle support.

Drawbar turn angle warning system prevents avoidable damage to the vehicle or the drawbar. Display in the cabin.
Always well lubricated with LubeTronic
Lubricating fifth wheel couplings or towing hitches is one of the necessary, but not necessarily one of the most popular tasks in the vehicle fleet. Apart from anything else, it causes downtime and takes manpower. With its LubeTronic product range, JOST offers a variety of lubrication solutions that help save time and money, since they ensure that manual lubrication, which is normally carried out during maintenance work, becomes practically obsolete.

Sensor solutions for fifth wheel couplings
If fifth wheel couplings are not easily accessible and possibilities for getting in and out are reduced, the sensor solutions for fifth wheel couplings increase the safety and comfort. The fifth wheel coupling no longer has to be opened manually. This can be done easily from inside the driver’s cabin via a pneumatic remote control. The remote display provides increased safety thanks to visual display and audio indication of the locking status in the driver’s cabin.

Original spare parts – better safe than sorry!
In the worst case scenario, all it takes is a non-functioning fifth wheel coupling locking mechanism, a bolt that is unable to stand up to sufficient pressure, or even just a defective screw to cause an accident. That is why the German Federal Motor Transport Authority and legislative authorities demand the mandatory use of original spare parts for components subject to type approval, such as fifth wheel couplings and towing hitches. That is why there is no alternative to original spare parts from the manufacturer!

Original spare parts kits from JOST are delivered in packaging with a counterfeit-proof hologram. This serves as a seal for the spare parts kits and, if undamaged, guarantees the origin of the contents. So you can be sure that you are receiving real JOST quality!
**JOST**

1. Fifth wheel couplings and systems
   2" and 3½" 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 3½" 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
   Wide range of weight-saving trailer axles with additional special equipment.

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 rollers and bearings.

**ROCKINGER**

8. Road traffic
   Open-end, hook and ball towing hitches, suspension elements, VARIOBLOC 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
    Axle-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 tippers.

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

**Member of JOST-World**

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