Systems and Solutions for Tippers

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

2 King pins
2" and 3½" king pins with a conical or plate-shaped flange

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.

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

4 Axle systems
Wide range of weight-saving trailer axles with additional special equipment

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

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

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

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

11 Steering systems
Axle-independent or manufacturer-independent mechanically, hydraulically and electronically controlled steering systems for trailers

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

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
Tippers are subjected to some of the most arduous working conditions in the commercial vehicle industry. Having a partner like JOST with its comprehensive product program for tippers allows fleet operators to have comfort in knowing they are not only using high quality, reliable products, but also ones that can actually generate additional revenue in a tough environment.

**CS „Ultra“ – The lightest and most durable range of telescopic cylinders in the world**
- Up to 100kg weight saving against competition
- Optimised tube sections
- New lightweight trunnion
- New low friction bearings provide smoother lowering
- Large contact faces and a brass coating on the sliding bearings allow fast tipping
- Market leading safety standards
- High strength materials & cutting edge production processes
- With eye mounting and/or full cover

**Edbro**
Edbro has been a market leader in vehicle-mounted hydraulic systems for commercial vehicles since 1916 and continues to develop and market a number of useful safety systems.

**Customised Hydraulic Kit Solutions**
- Full catalogue of hydraulic kit solutions, incl. chassis specific tank available for a range of different applications.
- Increased payload capacity and productivity with optional lightweight and fast performance kits.
- Reliability and the trustworthy fit and forget Edbro reputation for quality, high performance products.
- Specially selected, top quality components combine to produce high performance hydraulic kit solutions.
Systems and Solutions for Tippers

**Inclinometer – tip with safety**
- Continual monitoring of tipping angle during operation reduces the risk of accidents
- Tip lock out facility prevents tipping on side inclines above a user defined angle
- Optimised driver safety to reduce risk of injury
- Reduce the risk of potential claims

**High Voltage Alert**
- Can be easily fitted to: Tipper Vehicles, Excavators, Telehandlers, Cranes, Platforms, JCB's etc...
- Clear warning to operator of potential danger in tipping
- Reduces the risk of power line contact – for increased operator safety
- Improving the safety of tipping Components
- Compact detection antenna mounted upon chassis cab
- In-cab warning unit with clear audio and visual warning
- 12-24 volt unit easily fitted to a range of vehicles including tippers and cranes

**57 mm towing hitch – for the high demands of on road and off road use**
- Better off road characteristics thanks to specially designed rubber bearings
- Well suited to tough conditions with a D value of up to 260 kN
- Rotatable pin – constant wear
- Easy to mount onto the vehicle thanks to an aligned locking system
- For 57.5 mm towing eyes
- Available with a pneumatic remote control, ex works or as an upgrade kit

The long-established brand offers an extremely versatile, high-quality and reliable product range.
JSK 36 DV – weight-optimised 2" fifth wheel coupling
• Pressed steel design
• Suitable for all types of forced steering systems
• Large rubber cushioned pivot bearings
• Adjustable wear control
• Replaceable wear ring for extended unit life
• Fully automatic handle locking catch with optional spring hook and chain as an additional safety feature
• Guide bars in throat to correctly position king pin
• Available with 3 sensor technology

JSK 37 C – robust and universal 2" fifth wheel cast coupling
• Especially for use under poor road conditions
• Also suitable for use in site traffic
• Shock-absorbing rubber bearing
• Integrated automatic lubrication system LubeTronic SPoint and/or sensorsystem as options

Modul B – landing gear
• Highest flexibility of installation thanks to a range of mounting heights, back plates, cranks and connection shafts
• Very compact construction of the internally mounted drive
• Outstanding corrosion protection
• Large lifting force per turn of the crank with low crank force allows easy and convenient operation

Reduce weight and maintenance costs with JOST
Drop leg FS 075
- Low weight
- Finely graduated drop extension adjustable in multiple ways
- Robust steel design
- Maintenance-free
- Optionally with sand shoe or compensating foot
- 5 different mounting heights
- Choice of operation from the left or right side available

JOST
expanded its portfolio in 2015 with
JOST Axle Systems, formerly Mercedes-Benz TrailerAxleSystems. JOST offers weightsaving trailer axles for a wide range of uses.

DCA AIRMASTER – weight optimised axle
- The first and only trailer axle that stores compressed air
- 50 kg weight saving thanks to lack of compressed air tank
- Stores compressed air for the brakes and air suspension in the axle housing
- Allows entirely new vehicle concepts
- Tested and approved for all European markets
- All axles are suitable for on and off-road use
- Suitable for all torsion-free bodies

WEIGHT OPTIMISER 27 – forged aluminium air bellows support
- Weight saving of 9 kg per axle means 27 kg per trailer
- The WEIGHT OPTIMISER 27 is designed for all common track widths on trailers, from classic curtain-siders to tankers, tippers and other vehicles
- The WEIGHT OPTIMISER 27 has passed the tough testing criteria of the DCA series for durability and extreme accidental overload to guarantee the familiar quality of this JOST product
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Member of JOST-World

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