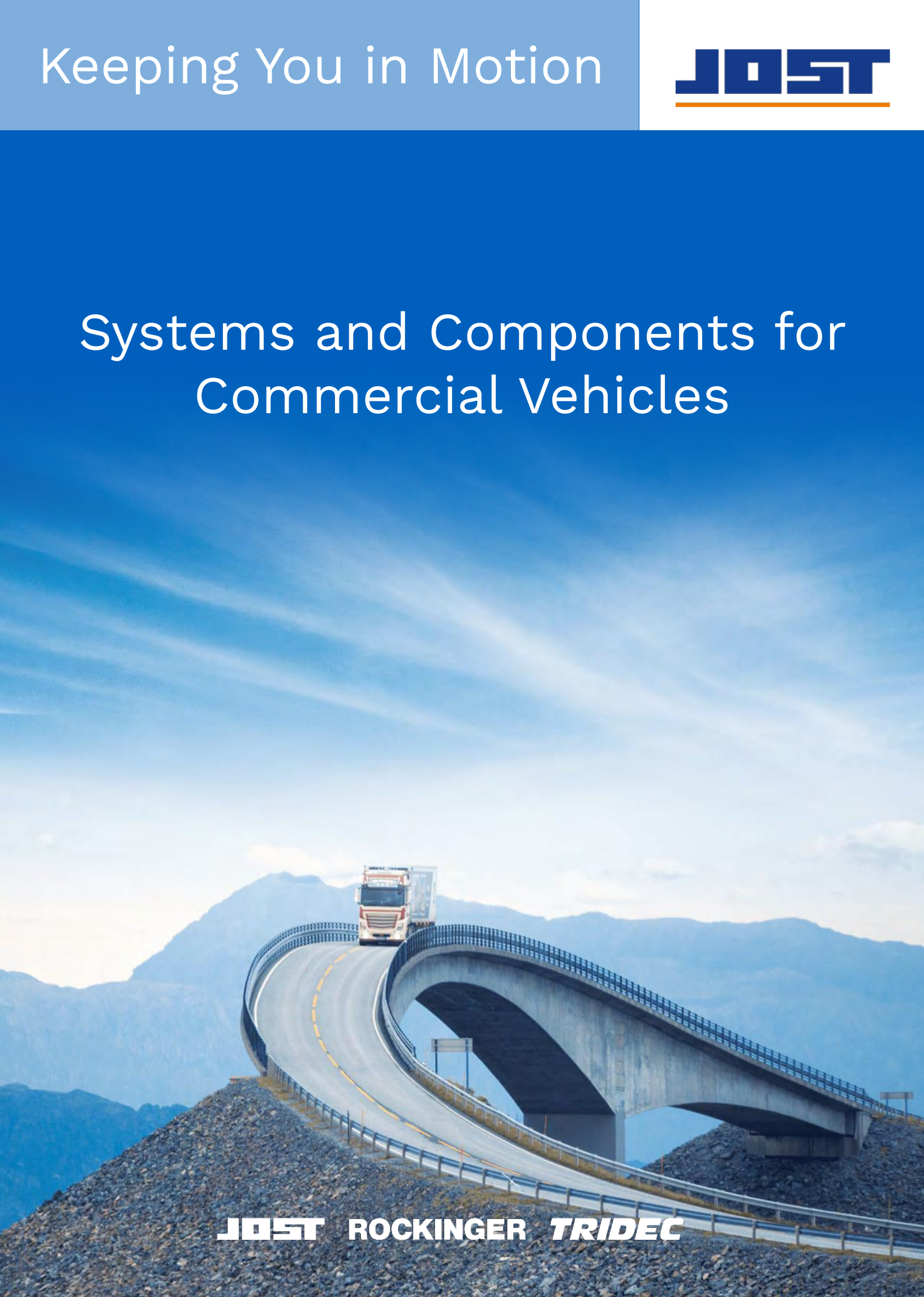


Keeping You in Motion



Systems and Components for Commercial Vehicles

A large white commercial truck is driving across a curved concrete bridge. The bridge is set against a backdrop of blue mountains and a clear sky. The foreground shows a rocky embankment.

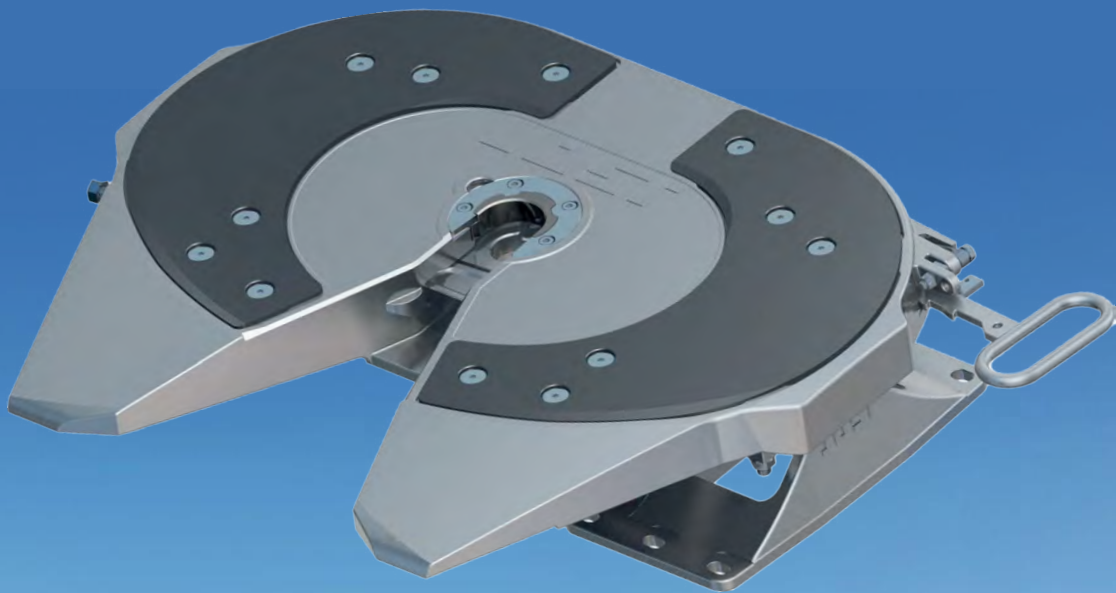
JOST ROCKINGER *TRIDEC*



Fifth Wheel Couplings

Standard Range

- Available in cushion and pin type foot mounting
- Standard versions or eco-friendly low maintenance top plate
- Secondary locking mechanism with visual safety latch
- Various mounting heights available
- Available with Sensor technology





Model options

JSK26D

- Compact 2" fifth wheel coupling for distribution traffic
- Robust pressed steel design
- Pin and bush bearing
- Low mount height 120mm
- D Value 50 kN
- Imposed load 6t
- Weight 45kg
- ECE Approval E1 55R-01 1800



JSK37

- Robust and universal 2" cast fifth wheel coupling
- Especially for use under poor road conditions
- Available in "E" and "C" bearing
- Low-maintenance with plastic top plate liner option
- LubeTronic 1Point standard on JSK37C low maintenance versions
- D Value 152 kN
- Imposed load 20t
- Weight from 138kg (depends on pedestal)
- ECE Approval E1 55R-01, DIN 74080, ISO 337



JSK42

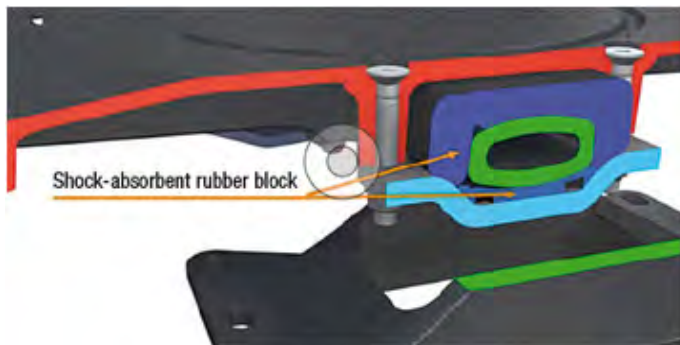
- Light 2" fifth wheel cast coupling with slide bearing "K"
- LubeTronic 1Point standard on JSK37C low maintenance versions
- D Value 152 kN
- Imposed load 20t
- Weight from 124kg (depends on pedestal)
- ECE Approval E1 55R-01, DIN 74080, ISO 337





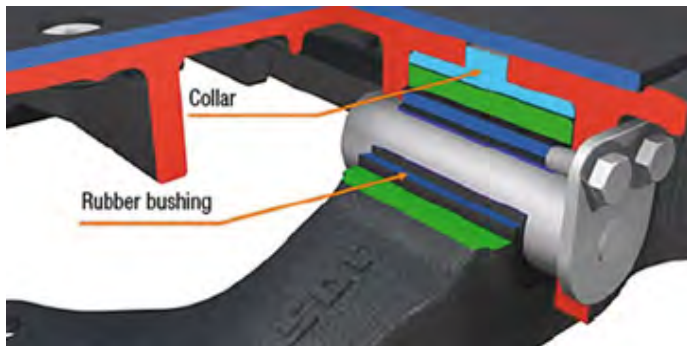
Bearing options to suit all applications

When choosing a fifth wheel coupling, you should especially take into consideration the requirements placed on bearing arrangements, mounting and maintenance. Basically, JOST fifth wheel couplings can be used universally.



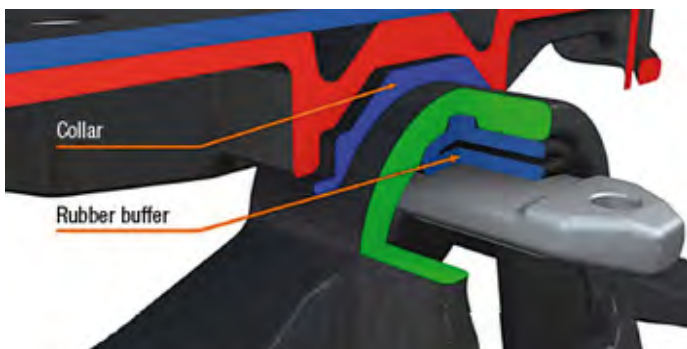
Rubber bearing – Model “C”

Fifth wheel couplings with rubber mountings are particularly suitable for poor quality road surfaces. The rubber cushions are shock-absorbent and maintenance-free.



Pivot bearing - Model “D” and “E”

The pivot bearing allows low mounting heights and is maintenance-free in the “E” version. It is particularly suitable for use in sliding and dual height fifth wheel systems.



Pivot bearing - Model “K”

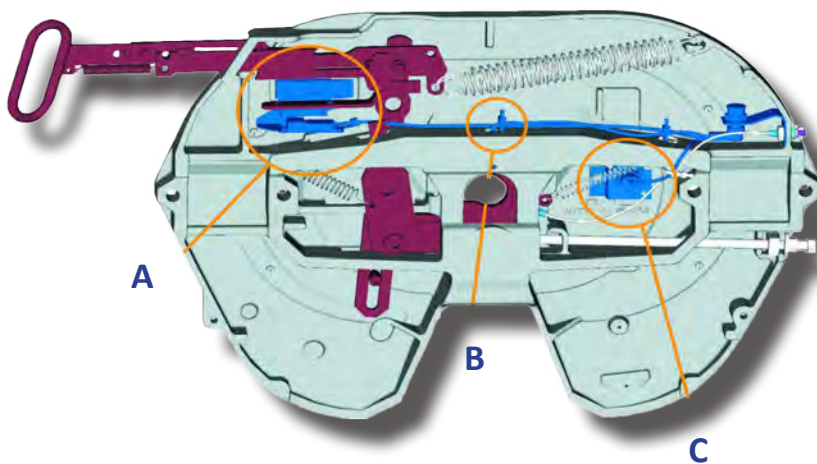
The K-bearing moves especially easy and it is torsion-proof and maintenance-free. It protects the chassis due to its longitudinal elasticity (lateral movement).



Sensor Technology - Safe Coupling

Advantages at a glance

- Sensors provide best possible safety during the coupling process
- Increased safety even in poor visibility
- A remote display processes the signal and displays it in the driver's cab



- Sensor (A) permanently monitors the connection status
- Sensor (B) controls the position of the king pin
- Sensor (C) monitors the contact with the skid plate
- The sensors are located in protected zones on non-moving parts
- Integrated dash display available (truck specific)



5th wheel open/ready for coupling



5th wheel senses contact with skid plate



5th wheel not coupled correctly- start again



5th wheel coupled correctly & closed

JOST

Sliders for fifth wheels

Wide range of heights and widths

- Light weight, Standard and Heavy Duty
- Drilled or undrilled
- Wide range of heights available
- Suits European and American chassis
- Manual or pneumatic operation





The Slider Family...

Protech Sliders - Lightweight

- Suitable for wide frame hole patterns
- Available in various mounting heights
- Double wrap-around, making the profile extremely safe
- D Value 152kN
- Imposed load 20t
- 610mm of travel



SL Sliders Standard & XXL

- Pneumatic release slider
- Cathodic electrophoretic painting for optimum anti-corrosion
- Available in various mounting heights
- Self-locking mechanism, protected against accidental opening
- D Value 152kN
- Imposed load 20t
- Available in two travel options, 660mm and 1067mm



EVP Slider base

- Pneumatic or manual options
- Suits JOST fifth wheels with bolted pedestals
- D Value = 133kN
- Imposed load 18t
- 546mm of travel



EVHD Slider base - Heavy Duty

- Suits the JOST Heavy Duty fifth wheels with bolted pedestals
- D Value = 260kN
- Imposed load 36t
- 800mm of travel



JOST

Heavy Duty Fifth Wheels

Robust heavy duty fifth wheel couplings

- Highway and off-road applications
- 3½" (90mm) and 2" (50mm)
- 170 - 400 kN options





Model options

JSK38C

- Interchangeable between 2" or 3½" options
- Pedestals with shock-absorbing rubber cushion
- Available in three height options, 160mm and 190mm bolt/weld on or 250mm bolt on pedestals
- D value = 260kN (3½") and 216 kN (2")
- Imposed load = 36t (3½") and 28t (2")
- Weight 265kg



JSK38G

- Dual oscillating heavy duty fifth wheel coupling
- The carden bearing allows the semi trailer to be used off road without distortion
- Interchangeable between 2" and 3½" options
- D value = 260kN (3½") and 216kN (2")
- Imposed load = 36t (3½") and 28t (2")
- Weight 265kg



JSK50

- Heavy duty fifth wheel coupling for extreme applications
- For 3½" king pins
- D value = 300kN
- Imposed load 50t
- Weight 290kg



JSK52

- Super heavy duty fifth wheel coupling for extreme applications
- For 3½" king pins
- D value = 400kN
- Imposed load 74t
- Weight 455kg

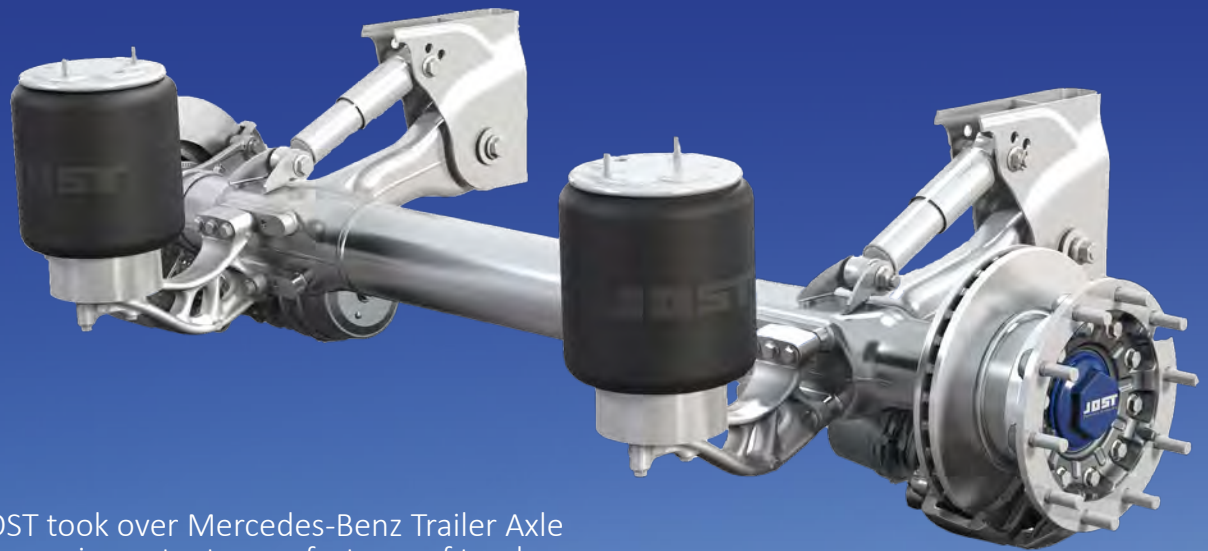




Axle Systems

DCA - Durable Compact Axle

- Low weight – from just 357kg including suspension
- Fewer components (due to its monocoque design)
- Axle housing integrates the trailing arm, axle tube, brake flange and axle journal
- Maintenance-free compact bearings
- Steer axle option with 21 degree steer angle



In January 2015, JOST took over Mercedes-Benz Trailer Axle Systems and became an important manufacturer of truck and trailer axles in Europe

In 2018, we introduced the JOST DCA WEIGHTMASTER and the DCA STEERMASTER trailer axle into NZ





The Compact Axle housing

The heart of the DCA series

The axle beam gives the series the name DCA – Durable Compact Axle. Integrating all the axle functions creates a compact axle housing that is extremely durable and lightweight thanks to its innovative design. The axle housing integrates the trailing arm, axle tube, brake flange and axle journal, forming a perfect unit.



Compact bearing

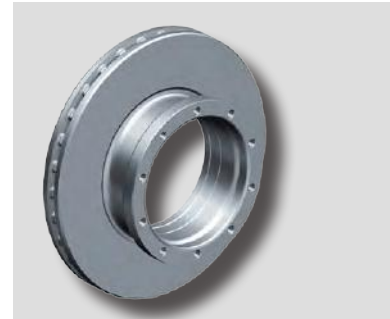
Maintenance-free thanks to the use of state-of-the-art compact bearing technology that has been proven a million fold. No re-adjustment required

5 years or 1 million kilometer warranty, whichever comes first



Wheel end

A robust construction that has proven itself millions of times. The optimal heat dissipation ensures a very long lifespan for the brake discs and brake pads. The brake discs – made out of a wear-resistant alloy – and the wearing parts are structurally identical to those of Mercedes-Benz trucks.



Brake Disc

Excellent braking performance with tried and tested components. The high-performance alloy, optimised for wear behaviour, keeps your operating costs under control. The proven ventilation system ensures a controlled temperature level in the entire wheel head.



Knorr Caliper

The DCA series is supplied with the Knorr-Bremse SN6 and U6 Caliper in New Zealand, providing national compatibility



Hanger bracket

With three hanger brackets each – in some cases also optionally available in stainless steel and as boltable solution – the DCA series in combination with the appropriate air bellows supports makes possible all ride heights from 215 mm to 535 mm, from mega trailer to tipper.



Air bellow support

The DCA series can be fitted with standard, weight-optimized or application specific tail ends, covering all areas of trailer usage.



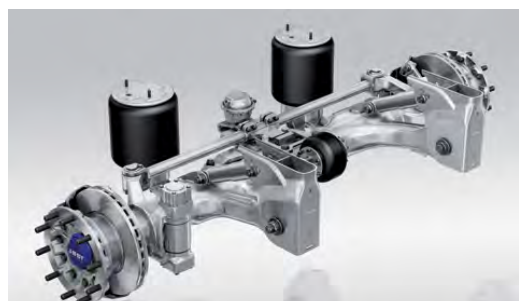
DCA – Durable Compact Axle

Unlimited diversity with just a few components



DCA WEIGHTMASTER

The DCA WEIGHTMASTER is the core member of the axle series. Its low weight – from just 376 kg, depending on which version – coupled with its durability, the advantage of fewer components (due to its monocoque design), coupled to the maintenance-free compact bearings, makes it ideal for use in the transport industry. With its modular design, it is compatible with nearly all trailers, from platform semitrailers, curtain-siders, tippers, tankers and bulk distribution.



DCA STEERMASTER

With a steering angle of max. 21 degrees, the DCA Steermaster negotiates bends with consummate ease, while the lightweight design allows high payloads. In addition, the steering axle reduces the truck's tyre wear and fuel consumption. Like the other axles in the series, the DCA STEERMASTER is based on the tried-and-trusted components of the DCA modular system and therefore, offers the versatility you expect when it comes to meeting your transport needs.



DCA AIRMASTER

As the world's only axle that stores compressed air for the brakes and air suspension in the axle housing, the DCA AIRMASTER is able to dispense with the conventional compressed-air tanks that appear on trailers or semitrailers, thereby freeing up space beneath the trailer as well as reducing weight by up to 50 kg. The DCA AIRMASTER paves the way for the introduction of trailblazing vehicle concepts.



DCA RAILMASTER

The new DCA RAILMASTER is designed for use in combined road-rail-sea transport. If a semitrailer is lifted by crane, conventional air bellows can be damaged while the vehicle is being set down. That is why the air bellows of the DCA RAILMASTER consist of two interlocking components which can separate during lifting without air and ensure the optimal position of the air bellows when the semitrailer is set down.



DCA PAVEMASTER

The DCA PAVEMASTER has an optimised air bellow support design especially for tippers in road finisher application. The DCA PAVEMASTER has been built to the highest standards to meet the specific demands of road construction.



JOST Tyre inflation systems

Plug & Play solution for trailer axles

When the tyre inflation system is used on a semitrailer or a trailer the tyre pressure on all axles will be automatically adjusted. The system ensures, that the tyre pressure is constantly at an optimal level.

As a result accident risks and unplanned stops to the workshop are significantly reduced. Optimum tyre pressure reduced wear and fuel consumption. Therefore fleet owners benefit from reduced operating costs.

All JOST axles of the DCA series with rigid, steered or integrated air tank versions are available with a Plug & Play solution for tyre inflation systems.



DCA Airmaster

Axle body air tank storage

DCA AIRMASTER, equipped with the JOST Plug & Play solution for tyre inflation systems, has two separated air circuits within the axle. The unique axle body air tank stores compressed air, for the brakes and air suspension, at the same time you benefit from the advantages of a tyre pressure control system.

The JOST Plug & Play solution for tyre inflation systems is compatible with all common control devices, therefore no further installations are needed on the axle.

DCA axles with tyre inflation systems guarantee maximal flexibility for the trailer builder and fleet owners alike. The JOST tyre inflation system is available for all JOST trailer axles in the DCA series.



ROCKINGER

Towing Equipment

Products for Commercial, Agriculture & Forestry

- 40mm, 50mm, 76mm options
- Flange and shaft mount
- Manual and automatic
- Pintle hooks





The ROCKINGER Family...

RO500B66500 50mm Coupling

- D Value 285kN
- S Value 2500kgs
- 160 x 100mm bolt pattern
- Strong one-piece handle
- Rotatable pin – constant wear



RO400B52001 40mm Coupling

- D Value 130kN
- S Value 1000kgs
- Easy Mount system
- No disassembly required to mount
- Shortened installation time



RO283A50002 76mm Pintle Hook

- D Value 160kN
- S Value 1500kgs
- 160 x 100mm bolt pattern
- With buffers and safety lock



RO243A11000 40mm Compact Hitch

- D Value 30kN
- S Value 250kgs
- 83 x 56mm bolt pattern
- Compact hitch for light trucks and vans



RO230B3500 40mm Manual Hitch

- D Value 30kN
- 120 x 55mm bolt pattern
- Yard hitch





Upgrade Options

In-cab status indicator & Drawbar turn angle warning system

The in-cab status indicator inspects the locking position of the coupling and sensor connections and shows them on an electric display in the cab. The drawbar turn angle warning system protects the vehicle and drawbar against damage as well as to rear mounted equipment e.g. tail lift cylinders
Part No. ROE 71546



Lubetronic - Automatic lubrication

The cartridge is filled with special oil and an ideal supplement for the lubrication filling of the coupling. It has a product life of up to two years, depending on the model.
Part No. ROE 71624-1



Pneumatic remote control

The pneumatic control option brings power and convenience for opening and closing the coupling.
Part No. ROE 71677



Mechanical remote control

The mechanical remote control enables operation with towing hitches that are difficult to access.
Part No. ROE 71676



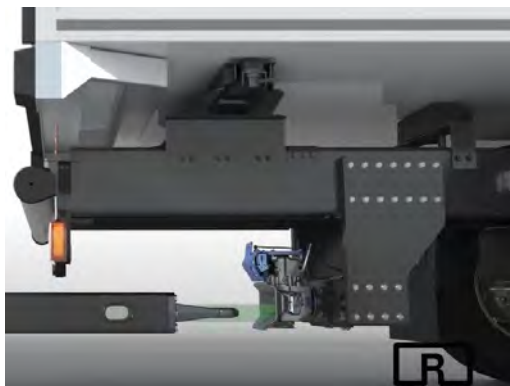
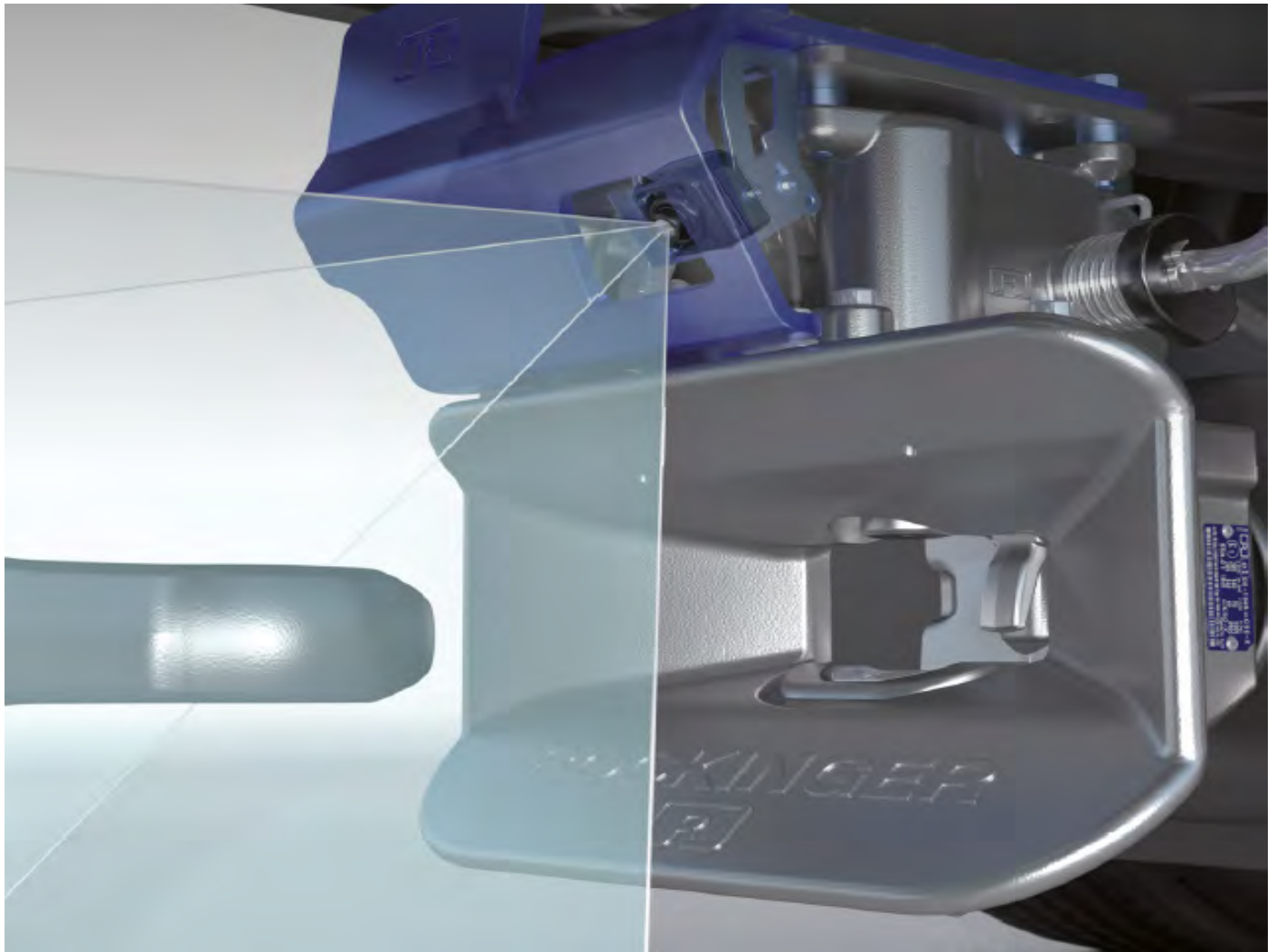
TOOL

Pin wear limit guage for 50mm coupling and toweye
Part No. RO500 Guage



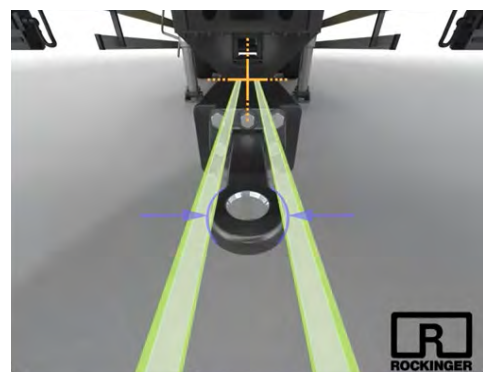
Drawbar Finder

The intelligent solution for the coupling process



The Drawbar Finder provides easy-to-use support for the coupling process, which is a particular advantage when using fixed drawbar trailers. Available for commonly used remote controls.

In-cab monitor provides visual guidance in two directions - allows precise coupling, reduces damage to trucks and trailers.



With the aid of the crosshair, the driver can aim for the towing eye, making it easier to drive towards the middle of the trailer. The green lines indicate the optimum coupling height.

Can be adapted to O.E integrated monitors - Daimler, MAN, Volvo, Iveco and Scania

ROCKINGER

Towing Eyes



Products for Highway, Agriculture and Forestry



- 40mm, 50mm, 76mm Pin
- Weld-in
- Flange mount
- Demountable

Toweye solid bush removal tool - 50mm
Part No: ROE57228

Toweye gauge to measure the wear of 40mm and 50mm toweyes
Part No: JOST TOWEYE GAUGE



Ball bearing turntables and slewing rings



Robust, strong and durable

JOST ball bearing turntables and slewing rings cover the complete spectrum of trailer technology and have a solution to suit all applications.

- Up to 30t imposed load
- E-coated for premium corrosion protection
- Hardened bearings (KLK DR)
- 8 lubrication points for best distribution of grease (KLK DR)



KLK-HE & SO



KLK-DR



KDL-900



KLK-L & N

Lubrication Manifold

- Makes lubrication easier
- Makes connection to central lubrication system easier
- Part number KLE0000200



Wear limit gauge

- Suitable for JOST ball bearing turntables HE and DR.
- Used to check if play/wear limit is reached or exceeded.
- Part number: KLE0005900



JOST

Landing Gear



Modul drive - Optimum protection

The patented drive is perfectly protected by the internal construction. In addition it offers various advantages in daily use:

- Easy to change between high and low gears
- Very compact construction with high efficiency and extremely low wear
- High speed, high gearing for faster, efficient operation
- Low maintenance
- **Available in light weight aluminium**

Modular design - Greater flexibility



Modul S-Foot



Modul T-Foot

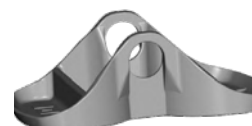
Low maintenance - Long lasting

The Modul landing gears are equipped with a long-term lubrication. Therefore they can be used for up to three years without lubrication.

- Long-lasting, low maintenance drive
- Additional reinforcement for lateral-force resistance
- Compact design of the internal drive
- Premium surface through powder coating



Modul A-Foot



Modul TC-Foot

Container Equipment



QA 37 NS - Retractable

- Locking pins - Ø38mm
- Back plate 150 x 110mm
- Long handle option
- Gross container weight 25400kg
- Weight 7.9kg



TL2009 - Retractable

- Left and right handed
- Locking pins - Ø38mm
- Back plate 185 x 90mm
- Gross container weight 25400kg
- Weight 13.1kg



R 401 VAK - Retractable

- Locking pins - Ø52mm
- Back plate 180 x 125mm
- Gross container weight 34000kg
- Weight 16.4kg



R 414F - Non-retractable

- Locking pins - Ø38mm
- Back plate 180 x 125mm
- Gross container weight 30500kg
- Weight 10.3kg



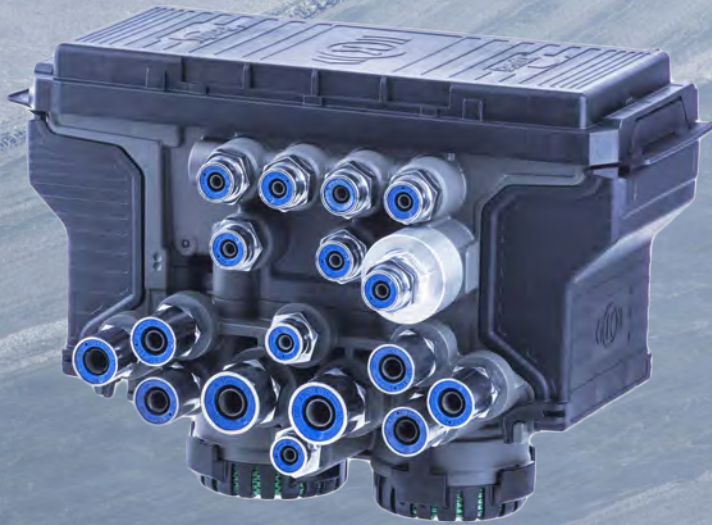
CC 299 BL & CC 300 BR - Corner casting

- Eyelet opening - 28.5mm
- 178 x 118 x 162mm (WxHxD)
- Weight 11kg



Trailer EBS

Optimised truck/trailer brake communication



Trailer EBS Electronic Braking System

- Integrated anti-compounding & Roll Stability Program (RSP) as standard
- Braking assistant function and Pad wear sensing
- Multi-voltage system - Compatible with all types of tractor vehicles
- Tilt Angle, Steering Axle Lock, Traction Help, Automatic lift axle control
- Operational Data Recorder and many more functions ...

Trailer Information Module (TIM)

- Fault information
- Distance, Trip, Service km
- Wheel sensor, Wheel speed
- Pressure, Pad depth, Load
- RSP



iLvl Intelligent Levelling Control System

Convenient control of the air suspension

- Automatic levelling during loading/unloading in standby mode
- Simple raise/lowering
- Reduced air consumption
- Controls height adjustment at ramps without power supply



Trailer Electro Pnuematic Module

Extends functionality of the TEBS G2

- Multi Volt premium module
- Internal Load Sensor
- Additional Auxiliary Out Puts
- Easy Installation



- Razor power tarp ensures the right tarp tension everytime
- Automatic push button operation
- Wireless remote offers in-cab operation
- Operates from both sides of the trailer
- Fully weather and waterproof (Rollover system)
- Manual override capability



Product range

Front to Back Tarp System

The front-to-back system is easy to use, time saving and highly efficient. It has been designed to take all the hard work out manually rolling over the tarp on your vehicle.

12 Volt DC – with multivolt input (charge 9-30 vdc)

Torque 120Nm

Tarp Travel Time approximately 45 seconds

Rollover Tarp System

The Roll-over system ensures the tarp is clear of your load by rolling up outside the bin while tipping. The system also ensures the tarp is fully weather and waterproof.

12 Volt DC – with multivolt input (charge 9-30 vdc)

Torque 140Nm

Tarp Travel Time approximately 45 seconds

Top Runner Tarp System

The Razor Top Runner tarp was designed and manufactured to suit walking floor type trailers. With increased tarp tension required on longer vehicles with little or no pelmet height the Razor Top Runner does the job with ease.

12 Volt DC – with multivolt input (charge 9-30 vdc)

Torque 200Nm

Tarp Travel Time approximately 60 seconds

Electronic Landing Leg System

Razor Electronic Landing Leg System is the safest and easiest way to separate and connect the semi-trailer for your prime mover. The electronic motor-driven system raises and lowers landing legs with just the touch of a button. No more manual winding!

12 Volt DC – with multivolt input (charge 9-30 vdc)

Torque 120Nm

Lifting capacity 25t for 2 speed Landing Legs

Hydraulic cylinders & oil tanks



Tipping cylinders

- Premium manufactured cylinders available up to 11 stages
- Stroke lengths ranging from 1 metre to 11 metres
- All stages fully chromed
- Heavy Duty Forged double welded Trunnion
- Spherical seal and bearing design
- Forged Clevis top and eye
- Heavy Duty Stop Ring
- High quality finish on the OD of all tubes
- Swivel oil inlet



Oil Tanks and accessories

- Premium Italian manufacturer
- Multiple options
- All tanks supplied with "Anti Splash" breather



JOST

Alloy Wheels



JOST Premium Forged Alloy Wheels

- Designed and manufactured to meet New Zealand conditions.
- Up to half the weight of steel rims
- Increased fuel economy
- Reduced brake maintenance

Size options

- 22.5 x 8.25", 22.5 x 9", 22.5 x 11.75"
- 19.5 x 7.5"
- 17.5 x 6.75"
- To suit dual or single tyres
- 26mm and 32mm stud holes
- American 285 PCD, European 335 PCD, European 225 PCD

Finish options:

- IP = Inside polished*
- OP= Outside polished*
- M = Machined
- P = Polished both sides*

* Also available in Evershine finish



TRIDEC

Steering and suspension systems

Proven reliability

- Low loaders
- Dollies
- Widening decks
- Extendable trailers
- Construction
- Heavy haulage





TPO Hydraulic swivel-axle suspension

- For extremely heavy transport
- High axle loads
- Large spring travel
- Steering angles to 70 degrees
- Oscillating axles
- Low maintenance



TD Mechanical steering system

- Lightweight, compact, versatile
- Ideal manoeuvrability
- Highest stability - low centre of gravity
- Less tyre wear
- Low maintenance
- Steers one or two axles in a two or three axle trailer



HF Hydraulic steering system

- Hydraulic steering system
- For heavy duty transport
- Suits extendable and extra length trailers
- Up to 7 steered axles
- Imposed load 50t
- Low centre of gravity
- Increased loading height



LVO Independant air suspension

- Suits double deck trailers or widening trailers
- 60% more capacity
- 1, 2, or 3 axle configuration
- Extra large main rubber bearings for prolonged life
- Low centre of gravity
- Available with wheel boxes



EFS Electronic steering system

- Steers up to 3 kingpin steered axles (max 45°)
- CAN-bus and bluetooth communication
- JOST kingpin with integrated sensor
- No greasing points on the steering system
- Manual control by wireless remote option
- Patented cylinder mounting, easy alignment



After Sales Support



Wherever you are...

Our After Sales Support is here for you when you need us.
See our distribution network on our Contacts page at
www.jostnz.co.nz.

Give us a call on 0800 567 869 or email us at
sales@jostnz.co.nz and we will be happy to help.

