

Press release

IAA Transportation | Hanover

September 2022

#jostassist, #jostgreen and #jostdigital: JOST to present a series of impressive innovations at IAA Transportation

Live demonstrations of the KKS automatic coupling system plus innovative new products and tried-and-tested solutions at the trade fair stand: JOST will welcome an international audience at the IAA Transportation trade fair in Hanover from 20 to 25 September. Alongside the KKS, particular highlights in line with #jostassist, #jostgreen and #jostdigital include the King Pin Finder assistance system, the Drawbar Finder upgrade kit, the RO*400 Easy Mount from ROCKINGER and the weight-optimised axle DCA WEIGHTMASTER PLUS.

Joachim Dürr, CEO of JOST Werke AG, and all colleagues are looking forward to the trade fair enormously: *“After four years, we can finally return to IAA Transportation in Hanover and meet all of our industry contacts in person. Three megatrends will be represented at this year’s IAA: assistance systems for drivers, sustainability with our special green products and solutions, and digitalisation with JOST’s digital options. Visit our JOST stand and experience the future!”*

JOST World stand: Hall H26 Stand D34, and D81 outside

Press event: Monday 19 September 2022 at 5:00 p.m. to 5:20 p.m. at the JOST stand

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Landing page: jost-iaa-2022.com



#jostassist



#jostdigital



#jostgreen

About JOST:

JOST is a world-leading producer and supplier of safety-critical systems for the commercial vehicle industry. Under the umbrella brand of JOST, the comprehensive range of products is broken down into systems for applications on the road and in agriculture:

The JOST brand includes fifth wheel couplings, landing gears, ball bearing turntables, king pins and container locks as well as components for alternating systems. Truck and trailer axles are also sold under the JOST brand. The tradition-steeped ROCKINGER brand comprises the core components of towing hitches, drawbar eyes and drawbars for transporters and trucks. TRIDEC offers steering systems and axle suspensions for trailers.

ROCKINGER products are used in agricultural applications. Quicke has been part of the JOST family since February 2020 and specialises in agricultural front loaders and equipment.

JOST currently employs over 3,000 staff worldwide and has sales and production sites in over 20 countries and on all five continents. JOST has been listed on the Frankfurt Stock Exchange. Further information on JOST can be found here: www.jost-world.com

JOST



JOST Portal: new online parts finder

JOST fifth wheel couplings and landing gears and ROCKINGER towing hitches for road applications have been added to the online parts finder on the JOST portal.

Users can now search for items using the clear tile structure or a new, improved search function. The new search function allows parts to be found using item numbers, serial numbers or the product name. Customers are also provided with important information such as product descriptions, installation and operating instructions, drawings, images and videos. The items can be compiled in a requirements list, which can be sent by email.

The JOST portal is initially available in German and English, with further languages and product areas to be added at a later date.



Automatic coupling via remote control with KKS: faster, safer, more efficient

The **KKS** system, which was launched in early 2021, enables drivers to couple and uncouple semi-trailers via remote control without leaving the driver's cabin – automatically, safely and quickly. Climbing out of the cabin, cranking down the landing gear and manually connecting the spiral cable and air connections are all a thing of the past. Even today, just a single product can bring about a major improvement in efficiency, convenience and safety, thus offering users significant added value. Yet the KKS automatic coupling system also stands for the future of logistics and is a key component of autonomous driving. Alongside the exhibit at the stand, there will also be live demonstrations at the trade fair: visitors can see the automatic coupling process for themselves every day in the outside area (D81).



JOST King Pin Finder: new assistance system

One of JOST's new products that will be presented at this year's IAA is the **King Pin Finder**, a camera integrated in the fifth wheel coupling that supports the coupling process by sending optimum images to the dashboard in the driver's cabin. Securely integrated into the fifth wheel coupling, the JOST King Pin Finder provides assistance during coupling, thereby enhancing both safety and convenience. This latest assistance system allows the driver to find the ideal coupling height and to manoeuvre the tractor perfectly. The King Pin Finder assists by displaying a live camera image in the driver's cabin when driving backwards, making the coupling process considerably easier. On top of this, the system's intuitive handling assists drivers when changing trailers – thereby preventing accidents and damage to the fifth wheel coupling and king pin, as well as the truck and trailer. In combination with the JOST sensor system, JOST thus offers the ideal safety package.



JSK 34: ultra-light JOST fifth wheel coupling with sensors

JOST will also showcase the ultra-light fifth wheel coupling **JSK 34**, which is available with or without **sensors**. The JSK 34 cast fifth wheel coupling is suitable for two-inch king pins and can reduce the system weight by up to 40 kilogrammes. JOST has equipped the JSK 34 with a newly developed hybrid bearing to increase driving comfort and service life while also reducing the dynamic load on the vehicle's frame. This type of bearing combines the robustness and shock absorbing performance of a rubber bearing with the frame-friendly properties of a plastic bearing. As the market leader for fifth wheel couplings with sensors, the proven JOST sensor technology, also available for the fifth wheel series **JSK 37** and **JSK 42** (KKS fifth wheel coupling), is being used. The JSK 34 with sensors is JOST's answer to the constantly growing demand for weight-optimised fifth wheel safety couplings, particularly for tankers, silo trucks and vehicles carrying hazardous goods, and sets new standards in this market segment. The **LubeTronic 5Point** central lubrication system ensures that the fifth wheel coupling plate and the lock jaw are reliably lubricated with a constant amount of grease – an especially environmentally friendly process thanks to the **biodegradable high-performance lubricant** and economical automatic dosing.



JOST Modul E-Drive: the electric landing gear for enhanced convenience and safety

At the IAA, JOST will also present the **Modul E-Drive** electric landing gear, which is available both individually and as part of the KKS system. Modul E-Drive eliminates strenuous manual cranking and makes coupling and decoupling the semi-trailer easier. Easy to operate at the touch of a button, Modul E-Drive is ideal for trailers that need to be coupled or decoupled frequently. The landing gear drive also shuts down automatically in the event of ground contact or when the landing gear is fully retracted. Differences in height between the trailer and the tractor can be compensated using the vehicle's pneumatic suspension or manual cranking in a low gear. The electrical landing gear operates effortlessly at outside temperatures as low as -20°C. It incorporates the highly-reliable Modul components and is available in various mounting heights. The Modul E-Drive's internal drive requires no maintenance. Thanks to the long-term lubrication applied in the factory and the wear-resistant design, life-cycle costs are very low.



More than just a standard landing gear: the JOST Modul landing gears

JOST landing gears are extremely versatile and have proven themselves time and again in daily use. Their flexible, modular design makes it easy to adapt to all important customer requirements, from standard implementations to specialised applications. JOST will present several highlights from its Modul family of landing gears at the IAA: **OPTIMA** (the weight-optimised landing gear for long-distance transport), **Modul B as an E-Drive version** (best-in-class landing gear with additional reinforcement and electric motor for universal application) and **Modul CS** (for liquid and bulk tippers, which require stabilising landing gears in the rear for support during unloading). For those who particularly value low weight, we will also present **Modul CA** (an especially light aluminium landing gear with new S foot), which impresses with a weight saving of 41 kg compared to Modul B, as well as the newest and lightest member of the landing gear family, the **aluminium drop leg**, with a total weight of just 37 kg per set.



DCA WEIGHTMASTER PLUS: new weight-optimised axle

JOST's **DCA WEIGHTMASTER PLUS** will make its debut at the IAA. Reducing emissions, protecting resources and maximising efficiency were the key aims when developing the lightest axle in its class. The optimised structure of the entire axle reduces the trio weight by 51 kg. In combination with the optional **Weight Optimiser 27**, the air bellows support with a lightweight aluminium tail end structure, further weight savings of 27 kg are possible in the trio. The highlight of **DCA WEIGHTMASTER PLUS** is its wheel head with optimised weight, wear properties and performance. This includes the new **DCA X7 brake**, the lightest brake in its segment. The aim during its development was to achieve ideal interplay between the brake disc and lining, thereby reducing emissions while maximising the payload and performance.

The **PLUS** series of DCA axles offers benefits for all trailer applications. That is why it is not limited to the **WEIGHTMASTER** series. The new features will also be available for **DCA AIRMASTER**, **DCA STEERMASTER**, **DCA PAVEMASTER**, **DCA MEGAMASTER** and **DCA RAILMASTER**.



JOST DMA: new drum modular axle

In order to provide the right solutions to meet the needs of customers all over the world, JOST is adding the **DMA series drum modular axle** to its axle portfolio. The drum modular axles in the **DMA** series ensure maximum flexibility for every transport application because they can be combined with suspension systems from the **DLS** range. The drum modular axle combines a robust tubular axle with a modular leaf spring system, which can be adapted to match the customer's individual specifications. The **DMA**'s most striking feature is the external brake drum design, which allows the brake linings to be replaced without having to disassembled the wheel hub – making it extremely easy to service and maintain. In addition, the proven brake design requires minimal repair effort and offers maximum benefit to customers.

To ensure optimum brake performance at all times and enable ideal wear behaviour, great emphasis has been placed on the interplay between the brake drum and lining during development. This is supported by gradual interaction with an automatic, self-regulating slack adjuster, which controls the brake pressure depending on the wear conditions.



JOST ZGA: Command Steer Axle now also available for 10 tonnes

Tight depots, narrow city streets and a 16.5-meter-long trailer that needs to be steered safely – all challenges that push conventional axle systems to their limits and demand a command steer axle. Following the successful market launch of the ZGA with the 9-tonne version, a 10-tonne axle will be added to the portfolio from 2023. The corresponding structure-relevant components have been adapted and approved following bench testing. Needless to say, the ZGA 10T can also be used in all conventional steering systems – whether mechanical, hydraulic or electronic – and, like the 9-tonne axle, will impress with outstanding performance characteristics and in particular the lowest roll radius. This has a positive effect on the actuation force, which is up to 70% lower than that of comparable axles as a result. Additional batteries are rendered obsolete and there is greater flexibility when designing steering systems. The low space requirement of the ZGA is unparalleled, enabling smaller mud guard designs and thus wholly new vehicle designs, even when space is tight.

The JOST ZGA is perfectly tailored to TRIDEC-brand steering systems: the TF mechanical system, the HF and HF-E hydraulic systems and the EF-S electronic steering system, which is also on show at the IAA (see page 8 for more information).

ROCKINGER

The ROCKINGER brand has been part of JOST World since 2001 and is regularly named the best brand in the towing hitches sector by end customers – receiving this accolade for the 18th time this year.



RO*400 Easy Mount: super simple, simply super

With the **RO*400 Easy Mount**, ROCKINGER has launched a new variant of its standard 40 mm coupling, which saves a great deal of time and effort in mounting. The RO*400 Easy Mount with its unique attachment system is supplied to customers completely pre-assembled: the customer simply has to plug it into the cross bar from the front and tighten the attachment bearing with four screws. This prevents incorrect mounting, in turn enhancing safety.



Drawbar Finder: the smart solution for the coupling process

ROCKINGER will present a further innovation at the IAA in the form of the **Drawbar Finder**. Here, a camera sits in a central and protected position above the towing hitch, functioning as an extra set of eyes and preventing misalignment of the drawbar eye. By providing both horizontal and vertical guidance, it enables precise coupling, which in turn raises efficiency and helps prevent accidents. The driver no longer needs to get out of the truck to check that the drawbar eye is aligned correctly. It is therefore a practical tool for coupling processes, which is a particular advantage when using central axle trailers.

ROCKINGER: the tried-and-tested RO*50E towing hitch

The tradition-steeped ROCKINGER brand will present its tried-and-tested **RO*50E** towing hitch, which is characterised by its robust, low-maintenance design and its simple and safe operation. The RO*50E features the ROCKINGER release lever principle, which enables gentle coupling even at difficult drawbar eye angles. The hitch does not close until the drawbar eye is fully retracted in the funnel. The proven ROCKINGER release lever principle prevents incorrect coupling caused by the locking process being triggered too early or by jerky coupling, as is necessary when using a standard pin lifting system. A cast steel funnel is now also available for the RO*50E to ensure robust coupling.

TRIDEC

A specialist in steering systems and axle suspensions, TRIDEC has belonged to the JOST World since 2008.



EF-S+: the electronic steering system

TRIDEC's IAA highlight is the **EF-S+**, which offers electronic steering with the option of controlling additional functions, such as the ramps and lights, remotely. The EF-S+ boasts six additional hydraulic or up to 12 electric functions in a single remote control. It is also possible to upgrade the system with a soft start mode, in order to make the hydraulic movements even more seamless and accurate.



TP-O Low: new swivel axle suspension

TRIDEC will also present its new swivel axle suspension **TP-O Low**, opening up a new market for independent trailer manufacturers. With suspension travel of 600 mm, the TP-O Low offers the lowest ride height with 12 tonnes per axle line, combined with a greater steering angle than any other suspension solution. The TP-O Low will be available from the first quarter of 2023.

Image material

KKS automatic coupling system:



King Pin Finder assistance system:



Modul E-Drive electric landing gear:



OPTIMA weight-optimised landing gear:



DCA WEIGHTMASTER PLUS weight-optimised axle:



DMA drum modular axle:



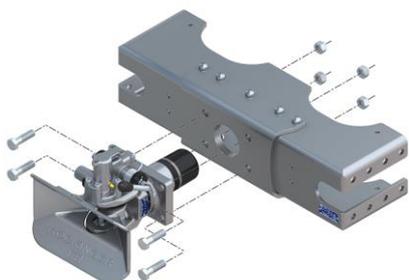
ZGA Command Steer Axle with EF-S electronic steering system from TRIDEC:



ROCKINGER Drawbar Finder upgrade kit:



ROCKINGER Easy Mount:



ROCKINGER RO*50E:



TRIDEC EF-S+:



TRIDEC TP-O Low:

