

LANDING GEAR, FIFTH WHEEL COUPLINGS, SLIDERS, KINGPIN & BALL BEARING TURNTABLES



HIGH-QUALITY



The JOST Group is an enterprise which since its establishment in 1952 has achieved a leading position worldwide in the manufacturing of components for commercial vehicles. It has a tradition of success based on flexibility, technical know-how and entrepreneurial action. JOST products are of high-quality and available all over the world.

BEVOLA is a proud distributor of JOST products

BEVOLA is offering a wide range of JOST products, which are adapted to the market's needs.

Products

- Fifth wheel couplings and sliders
- Kingpin
- Ball bearing turntables
- Landing gear

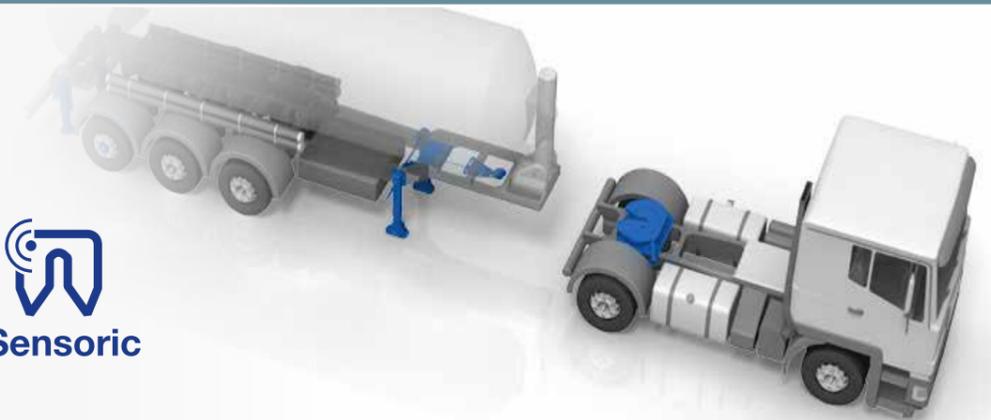
For more information please contact our customer service.



Fifth wheel couplings, sliders, Kingpins, ball bearing turntables, and landing gear

Approvals

- E1** E1 55R-01 0301
- E1** E1 55R-01 0116
- E1** E1 55R-01 2197
- E1** E1 55R-01 0148
- E1** E1 55R-01 1151
- E1** E1 55R-01 0368
- E1** E1 55R-01 0145



FIFTH WHEEL COUPLINGS

A wide range of products

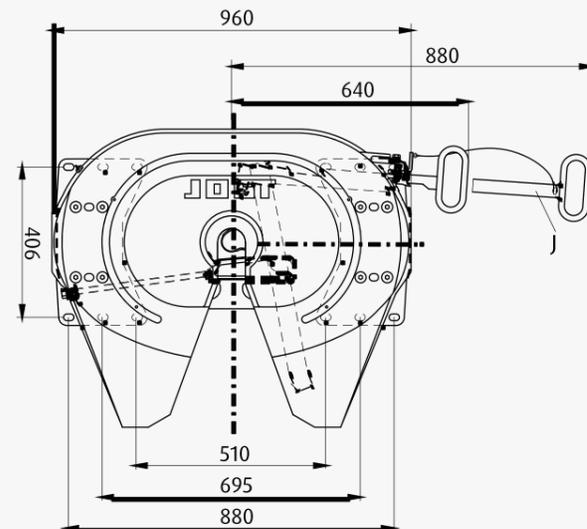
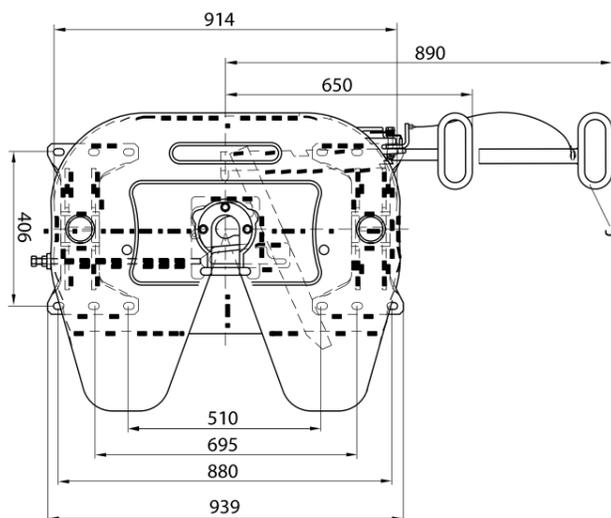
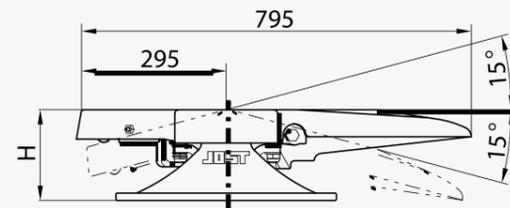
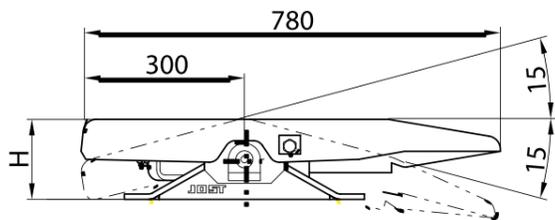
JSK 36 DV



JSK 37 C



Art. no.	Reference	H (mm)	D value (kN)	Imposed load	Weight	Approval (ECE)	Note
740400	JSK 36 DV 1 J	172	152	20,000 kg	122	E1 55R-01 0301	E-coatet Long handle
740402	JSK 36 DV 2 J	150	152	20,000 kg	119	E1 55R-01 0301	E-coatet Long handle
740410	JSK 37 C 150	150	152	20,000 kg	149	E1 55R-01 0116	E-coatet Short handle
740412	JSK 37 C 185	185	152	20,000 kg	152	E1 55R-01 0116	E-coatet Short handle



Why choose JOST fifth wheel couplings?

Excellent quality

- Patented and reliable design
- High-quality casting
- Certification in accordance with ISO/TS 16949

High operating comfort

- Long, easy-reach handle
- The operator does not get dirty
- The latch is released using a cable

Very easy maintenance

- Easily replaceable top plate liners
- All wearing parts available in practical spare parts kits

Customer-oriented service

- Expert individual support by sales and customer services
- Customer support during the planning phase based on CAD data

Verified safety

- High level of operating reliability
- Regular inspections during series production in accordance with ECE R55
- Can be used in complicated loading conditions
- Automatic latch arrangement



SLIDERS

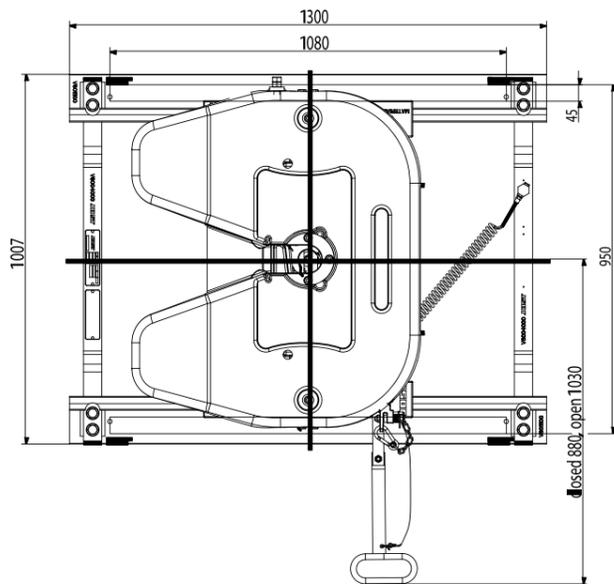
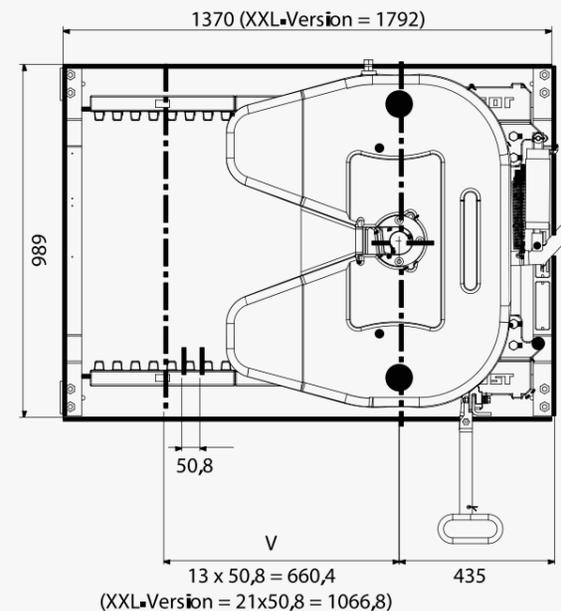
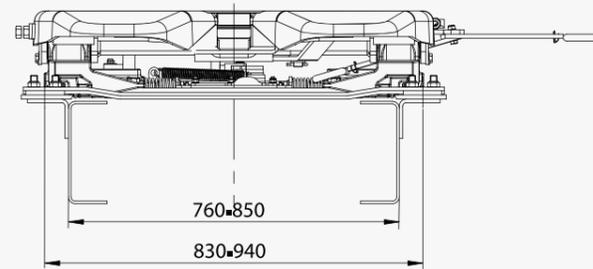
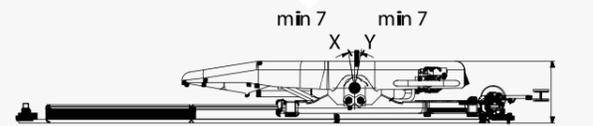
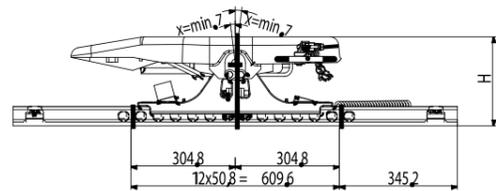
Broad productprogramme



JSK PRO



JSK SL



Art. no.	Reference	H (mm)	D value (kN)	Imposed load	Weight	Approval (ECE)	Pre-drilling for
740430	JSK PO E0 33 20 CB	175	152	20,000 kg	216	E1 55R-01 2197	Volvo/Renault
740431	JSK PO E0 33 20 FC	175	152	20,000 kg	216	E1 55R-01 2197	MB Actros
740432	JSK PO E0 47 20 FC	205	152	20,000 kg	237	E1 55R-01 2197	MB Actros
740434	JSK SL E0 32 20 AA	173	152	20,000 kg	234	E1 55R-01 1151	Undrilled
740436	JSK SL E0 32 20 BC	173	152	20,000 kg	234	E1 55R-01 1151	Scania
740438	JSK SL E0 32 20 CK	173	152	20,000 kg	233	E1 55R-01 1151	MAN
740440	JSK SL E0 32 20 EC	173	152	20,000 kg	235	E1 55R-01 1151	Scania reinforced
740442	JSK SL E0 32 X8 AA	173	152	20,000 kg	253	E1 55R-01 1151	Undrilled XXL extra long model
740444	JSK SL E0 45 20 AA	203	152	20,000 kg		E1 55R-01 1151	Undrilled

Sliders for JOST fifth wheel couplings

The slider is mounted on the mounting angels of the tractor unit. There is no need for an additional mounting plate. The sliders are of low weight.

Advantages at a glance (PRO)

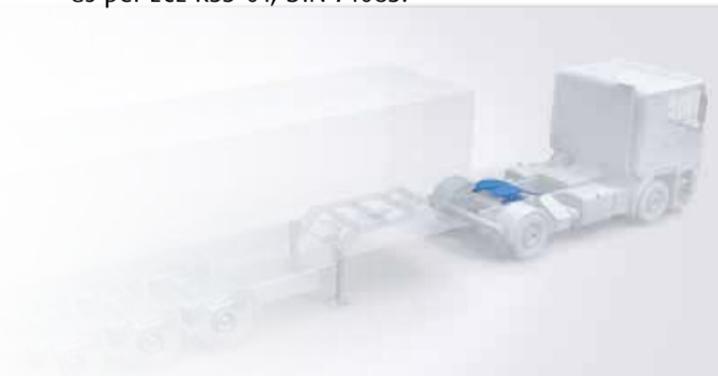
- Suitable for broad frame hole patterns
- Tappets in throat of fifth wheel coupling to correctly position kingpin
- Can be retrofitted with Fleetmaster Handle

Advantages at a glance (SL)

- Suitable for all standard hole pattern types
- Optimum protection against corrosion thanks to e-coating

Technical Specification

- Suitable for 2" king pins (class G 50) as per ECE R55-01, DIN 74080, ISO 337 and steering wedges as per ECE R55-01, DIN 74085.



KINGPIN



Art. no.	Reference	D value (kN)	A (mm)	B (mm)	Weight	Approval (ECE)	Note
720020	KZ 1012	162	152	20,000 kg	14.5 kg	E1 55R-01 0145	2" for 12 mm plate
720022	KZ 1516	170	152	20,000 kg	28 kg	E1 55R-01 0148	2" for 16 mm plate

Kingpin

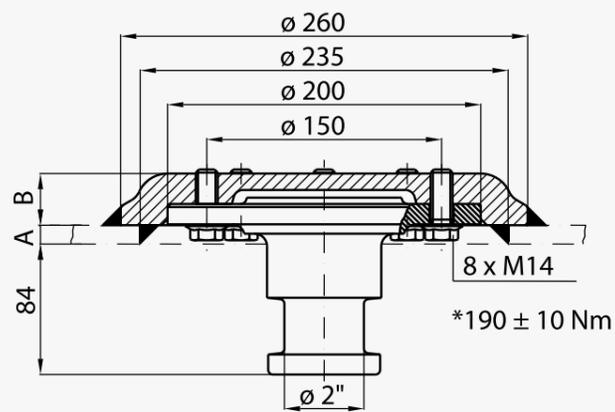
The pin is bolted to the retention plate and is easy to replace from underneath. 2" pins can be interchanged on some types.

They are produced from high-quality, coated, forged blanks which are tested for the complete absence of cracks.

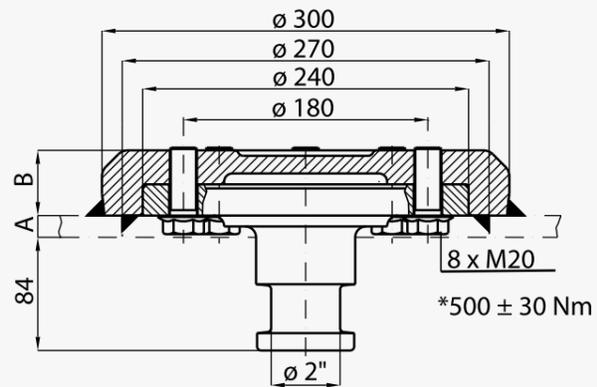
Product overview

- 2" kingpins for use with 2" fifth wheel couplings as per directive ECE 55R-01 as well as DIN 74081 and ISO 3842
- 3½" king pins for use with 3½" fifth wheel couplings as per directive ECE R55-01 as well as DIN 74081 and ISO 3842
- All king pins are suitable for use in self-steering axle systems
- Kingpins complete with plate and screws (mounted)

KZ 1012



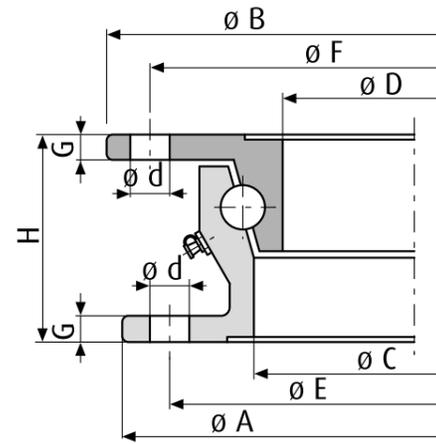
KZ 1516



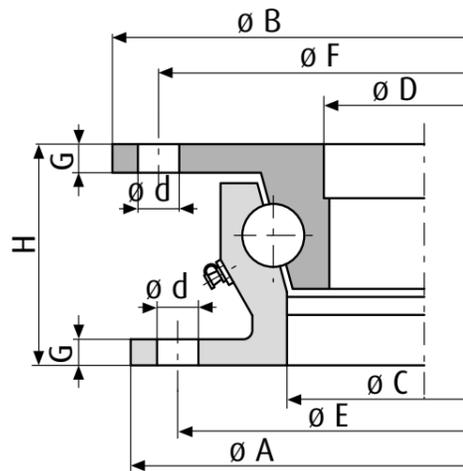
BALL BEARING TURNTABLES

E-coating

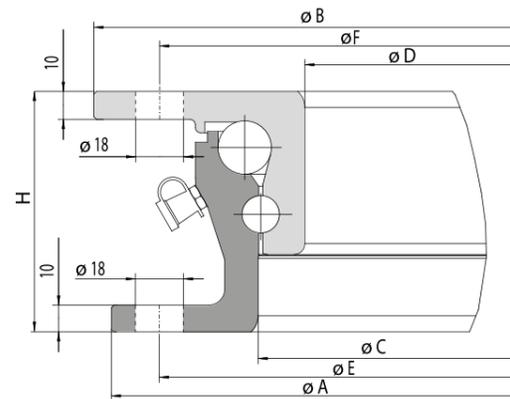
KLK HE STANDARD



KLK SO



KLK DR STANDARD



Art. no.	Reference	A (mm)	d (mm)	H (mm)	Permitted axial load (kN)	Weight	Drill template NO
740100	KLK HE 18	1100	18	90	100	69	1*
740102	KLK SO 1100-24	1095	18	90	160	75	1*
740111	KLK HE 1200-22	1200	18	90	130	76	1*
740112	KLK SO 1200-24	1195	24	90	180	83	Undrilled
740120	KLK DR 1100-20	1095	-	90	200	80	Drilled
740130	KLK DR 1200-02	1195	-	90	200	90	Drilled

* Drilled after template no 1 (ref. [JOIST drawing of ball bearing turntables - KLK HE and SO](#))
 ** Drilled after template no 2 (ref. [JOIST drawing of ball bearing turntables - KLK HE and SO](#))

KLK SO/HE

Specification

- E-coating
- Standard/Low-maintenance (HE series)
- Drilled/Undrilled
- Special drill templates available upon request
- Lubricant dispenser (optional)
- Splined bolts (optional)

KLK DR

Specification

- E-coating
- Labyrinth seal
- Drilled/Undrilled
- Special drill templates available upon request
- Lubricant dispenser (optional)
- Splined bolts (optional)



ACCESSORIES

Easy Maintenance

S foot
Standard



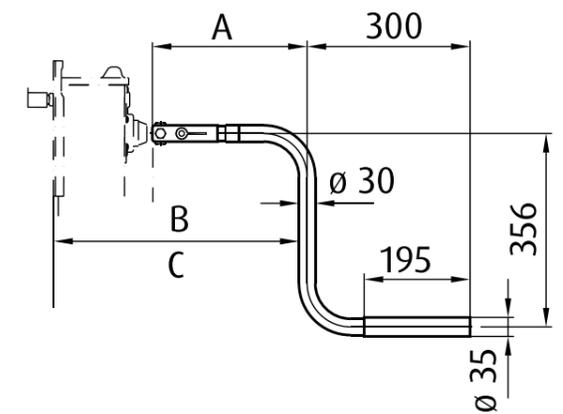
T foot
Sand shoe



TC foot
Flat sand shoe



Crank handle



Art. no.	Reference	Foot model	L x B (mm)	H (mm) compared to S-foot	Weight
740670	JS D01	S	397x260	+140	12.92 kg
740671	JS D04	T	329x225	+140	6.63 kg
740672	JS D06	TC	329x225	-50	6.59 kg

Art. no.	Reference	A (mm)	B (low gear)	C (high gear)	Weight	Approval
740660	JS U03	450	634	653	2,4 kg	
740661	JS U05	520	704	723	2,34 kg	

Connection shaft



Art. no.	Reference	Length of connection shaft (mm)	Weight	Approval
740650	JS L08	1635	4.68 kg	
740651	JS L09	1700	4.86 kg	

Accessories for landing gear

Patented Modul drive

- Easy to change between high and low gears
- Very compact construction with high efficiency and extremely low wear
- Large fitting force per turn of the crank with low crank force allows easy and convenient operation
- Reliably secured against run-down
- Maintenance-free

The modul series of telescopic landing gear are available with a range of different feet S, T and TC.

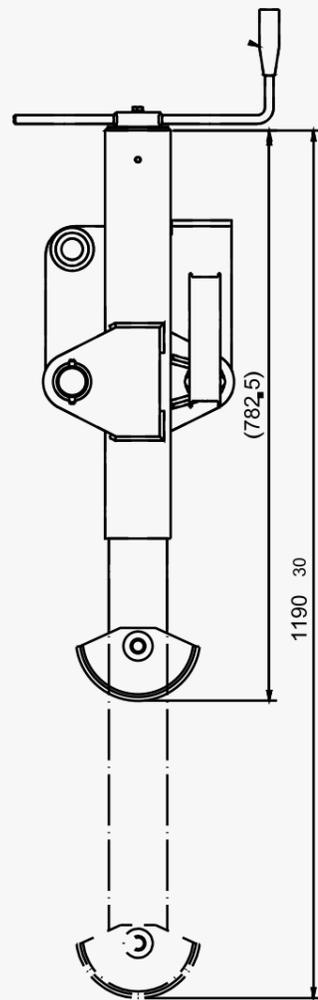
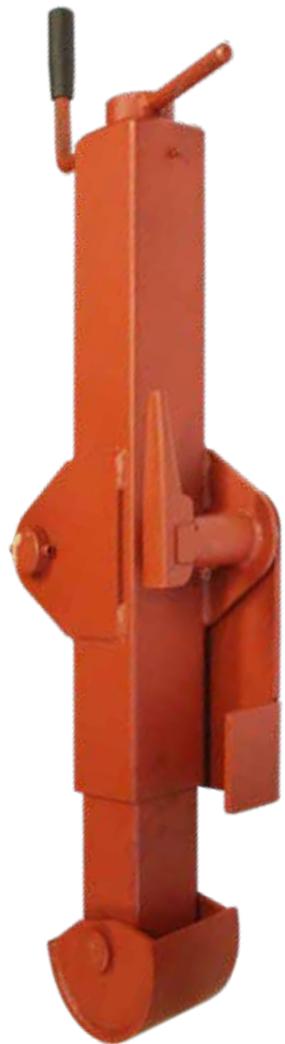
Crank handles

- Various crank handle lengths for individual adjustment to the vehicle length
- Low gear: 0,9 mm lift by one turn
- High gear: 15,0 mm lift by one turn



LANDING GEAR

Made by BEVOLA



Art. no.	Reference	H (mm)	Capacity	Weight	Approval
710025	BEVOLA	550	5 tons per set	32,5 kg	

Landing gear for carts

This is a sturdy, high-quality landing gear. The landing gear is primed, has round feet, and swivel fittings. It is produced by BEVOLA, which has its own production in Denmark.



SERVICE & MAINTENANCE

Regular, thorough maintenance equals long life span

"W" version

The series JSK 37 CW/EW fifth wheel couplings and all the series JSK 42 fifth wheel couplings in version "W" are equipped with a plastic top plate liner on the mounting surface and a wearing ring with plastic insert in the locking mechanism.

In conjunction with the maintenance-free rubber or pivot bearing, only one greasing point on the lock jaw needs local lubrication. All wearing parts can be replaced quickly and easily. Low maintenance fifth wheel couplings therefore save both time and money, as well as conserving resources, money and harms the environment. To improve the situation, there is a range of solutions that make lubrication easier or even entirely unnecessary for a period of time.



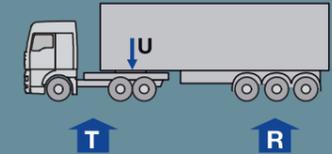
Definition D-value

The construction of the fifth wheel coupling in connection with the vehicle is carried out by the vehicle manufacturer (construction according to Directive R55- 01, Appendix 7).

The imposed load on the tractor and the D value are criteria for the load -bearing capacity of the fifth wheel couplings and mounting plates.

The D value calculates according to the following formula:

$$D = g \times \frac{0,6 \times T \times R}{T + R - U} \text{ (kN)}$$



Calculation example:

$$D = 9,81 \times \frac{0,6 \times 17 \times 33}{17 + 33 - 10,5} = 83,6 \text{ (kN)}$$

Given: T = 17 t
R = 33 t
U = 10,5 t

"LubeTronic 5Point"-version

LubeTronic 5Point was developed for fifth wheel couplings without top plate liners. It is a lubrication system that is integrated into the fifth wheel coupling and ensures reliable lubrication of the fifth wheel coupling plate and lock jaw.

The electronic operation of the LubeTronic minimises the consumption of lubricant and ensures optimum lubrication of the fifth wheel coupling.



"LubeTronic 1Point"-version

Thanks to the top plate liners, low maintenance fifth wheel couplings (Series W) have to be lubricated on the lock jaw only, not on the coupling plate. The use of LubeTronic 1Point combined with a specially-coated lock jaw also eliminates this manual procedure.

After activation the LubeTronic 1Point supplies the lock jaw with the optimum amount of grease - guaranteed for 3 years. After this period, LubeTronic and the lock jaw need to be replaced.



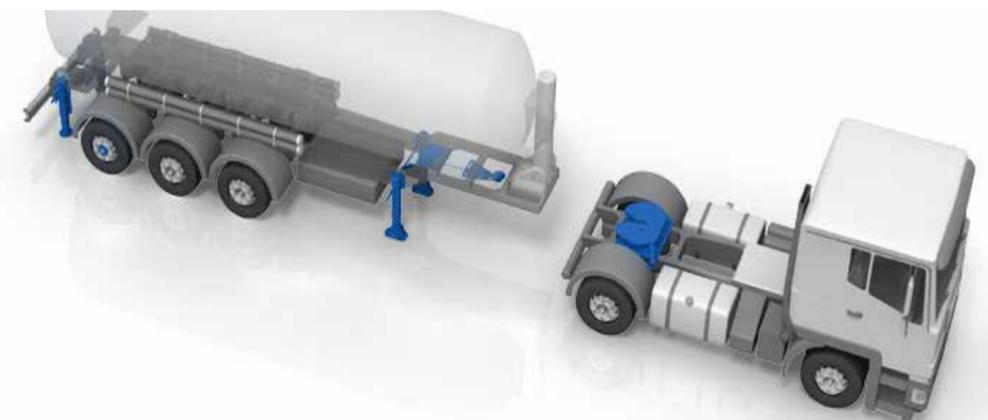
Technical Specification

The ECE directives comprise a catalogue of internationally agreed, consistent technical rules for motor vehicles and add-on parts for motor vehicles. The ECE mark is to be attached to every vehicle or add-on part in motor vehicles for which an ECE approval has been issued. The mark consists of a circle with the capital letter "E" and the ID number of the country issuing the approval. Accordingly, "E1" stands for Germany.

Fifth wheel couplings and mounting plates are considered add-on parts for tractors used to connect tractors and trailers, making them vehicle connection parts that are subject to type approval.

For JOST fifth wheel couplings and mounting plates, mainly ECE Directive R55 (Mechanical coupling components of combinations of vehicles) is of relevance. Another important directive for our system solution is ECE Directive R10 (Electromagnetic compatibility).

The manufacturer's specifications, the JOST mounting and operating instructions and the applicable national regulations need to be observed when mounting, operating, replacing or retrofitting fifth wheel couplings. In Germany, §§ 19, 20, 21 and 27 of the StVZO (German Road Traffic Licensing Regulation) apply.



Since the company was founded in 1968, BEVOLA has strived to supply quality products for HGVs, drawbar trailers and semi-trailers. Apart from our global procurement concept, that now extends to over 6,500 item numbers, BEVOLA has its own R&D and production of a range of products and solutions for mounting on HGVs on the Nordic markets.

Some of the products and solutions for which we are justly renowned are:

- BevoBox – high quality toolboxes in a huge range of variations
- BevoGrip – sand spreader, specially developed for the Nordic market
- BevoPlan – the optimum concept for utilisation of load bed
- BevoNac – a strong axle concept for extended service life, less maintenance and more stable driving

PRODUKTER OG LØSNINGER

-  BevoNac axles and brakes
-  BevoBox tool boxes & accessories
-  Sand spreaders & snow chains
-  Coupling devices
-  Bodywork components
-  Load securing, ADR & signs
-  Exteriors, interiors & exhaust
-  Hydraulics & fuel tanks
-  Aluminium
-  Light & electrical components
-  Pneumatics & brake components
-  Cranes & lifting gear

CONTACT BEVOLA

We are here to guide and help you find the best possible solution for your needs.

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