

Press release

The new Kögel Light^{plus} Coil: a Plus in Payload for Coil Transport

Hanover, 30 August 2018

- **Lightweight semi-trailers for transporting coils and split strips**
- **Kögel Coilfix: perfect load-securing for coils**

The completely redesigned Kögel Light^{plus} Coil celebrates another premiere at IAA Commercial Vehicles 2018. Naturally, this lightweight semi-trailer for transporting coils and split strips also has the optimised external frame profile and improved body that characterise the Kögel NOVUM generation trailers. The Kögel Light^{plus} Coil has a particularly payload- and weight-optimised frame and body. With a low tare weight from 5,420 kg with customised equipment and 5,790 kg in the standard version, it is exceptionally cost-effective to drive. The technical gross weight is 39,000 kg and the technical fifth-wheel load is 12,000 kg.

Frame in lightweight coil design

The lightweight steel chassis frame of the Kögel Light^{plus} Coil is optimised for even greater payloads and has a frame neck height of 120 mm. Thanks to the reduction of the frame neck by 60 mm, compared to the predecessor model, Light Coil, the trailer also benefits from more usable internal height than the previous model. Its excellent stability and durability, despite the sparing use of materials in its construction, is ensured through the use of high-quality fine grain steels. Coils and split strips with a diameter of 900–2,100 mm and a maximum distributed load of 27 t can be transported evenly distributed over 1.5 m in the 7,200 mm-long standard coil trough. For load-securing, two pairs of stake pockets

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are fitted as standard in the coil trough, one pair at the front end of the trough and another at a distance of approximately 2,050 mm to hold square pipe stakes. The exhibit also shows the optionally available eight pairs of stake pockets in the coil trough and eight pairs of stake pockets in the external frame. Two stake pockets are also available as an optional alternative for the front wall. Thirteen pairs of lashing shackles are available as standard in the VarioFix perforated steel external frame – five pairs with 2,500 kg of tensile force per shackle and eight pairs with 4,000 kg of tensile force per shackle around the payload's centre of gravity. Sixteen coil trough covers ensure that the coil trough can be covered quickly and safely. The floor load-bearing capacity of the coil trough covers is designed to withstand high fork-lift axle loads of up to 5,460 kg. Naturally, the Kögel Light^{plus} Coil has the EN 12642 Code XL load-securing certificate.

NOVUM generation Kögel Light^{plus} Coil

Naturally, the Kögel Light^{plus} Coil also comes with the well-known benefits of the NOVUM generation. These include the new air and lighting console on the front wall, which transfers the forces into the frame via the side members, the new outer frame profile, which greatly increases the accessibility of the VarioFix lashing points, and the variable lattice pockets of the sliding and corner posts. In the basic design of the Kögel Light^{plus} Coil, the front wall, including the front volume corner posts, the rear corner posts, and the rear wall door portal are made of aluminium.

Also available for the NOVUM generation – perfect load-securing with Kögel Coilfix

The Light^{plus} Coil is also available with the Kögel Coilfix load-securing system as an option. The Coilfix system consists of a tension beam, four square pipe insertable stakes with heavy-duty hooks and receptacles for spacer tubes, two spacer tubes, plus three slings and lashing straps for diagonal tensioning. This guarantees form-fit load-securing. The flat

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contact of the tension beam and the stakes prevents damage to the coils and split strips.

Customised exhibit equipment

With optional lightweight equipment such as aluminium rims, aluminium landing gear, aluminium air tanks, an aluminium roof support frame, an aluminium side guard and lightweight tyres, it has even more payload. The Light^{plus} Coil trailer on display is also equipped with an optional ice-free system. This long inflatable air hose is mounted underneath the roof tarpaulin. When inflated, the hose pushes the tarpaulin upward in the shape of a slightly pointed roof, and accumulated water, snow and ice are easily and conveniently removed. This allows drivers to safely remove water and ice from truck tarpaulin roofs before and after driving, preventing serious accidents caused by falling chunks of ice. The exhibit is equipped with the new Kögel EasyFix Stopper for quick and easy securing of the sliding roof when open. The Kögel EasyFix Stopper not only holds the sliding roof securely in position, but also allows you to close it easily after completing the loading process, without having to unlock it again. This system increases efficiency and safety during loading and unloading. To improve road safety and prevent turning accidents, this lightweight trailer is equipped with optional flashing side marker lights. Other customised equipment includes an axle lift, Kögel LUXIMA multi-chamber combination tail light assemblies, Kögel LUXIMA LED reversing lights, rubber ram bumpers, a storage space for lattices, a storage space for insertable stakes, a steel run-on plate and much more.

High degree of customisation to individual customer requirements

Thanks to the modular system, the familiar variable body from the Kögel FlexiUse can also be used for the Kögel Light^{plus} Coil of the NOVUM generation. The body includes eight front settings, each adjustable by 25 mm, and four rear settings, each adjustable by 50 mm, so the body heights can be independently adjusted by 200 mm at the front and rear.

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This allows everyday goods transport with an internal height of 2,700–2,900 mm at the front or 2,750–2,950 mm at the rear. As you would expect, the NOVUM-generation Kögel Light^{plus} Coil is available with a wide range of customised equipment. This includes, for example, various load-securing packages, RoRo equipment for accompanied ship and ferry transport, drop sides, Strong & Go body, a portal door made of light and very stable duroplast sandwich panels with a honeycomb core, known for its use in the aerospace industry, and much more.

Cathodic dip-paint coating: lasting protection from corrosion

On the Novum generation Kögel Light^{plus} Coil, the entire vehicle frame is given long-lasting protection against corrosion by nano ceramic and cathodic dip-paint coating, supplemented with a coat of UV varnish.

Photo: NOVUM generation Kögel Light^{plus} Coil

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Kögel is one of the leading trailer manufacturers in Europe. Since it was established in 1934, the company has manufactured more than 550,000 trailers. With its commercial vehicles and solutions for freight-forwarding companies and the construction industry, the company has been providing 'Made in Germany' engineering quality for more than 80 years. During this period, it has maintained its passion for transport and innovation, enabling it to offer proven, long-lasting added value to freight-forwarding companies. The company headquarters and main production facility of Kögel Trailer GmbH & Co. KG are located in the Bavarian town of Burtenbach. Kögel also has factories and offices in Ulm

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(Germany), Duingen (Germany), Chocen (Czech Republic), Verona (Italy),
Zwolle (Netherlands) and Moscow (Russia).

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