

KÖGEL

Kögel Platform Trailers



Illustration similar / can include special equipment

Why so much talk about the art of engineering?

Because there is genius in it and because prowess is behind it.

Comprehensive competence and experience, creativity and openness, consistent marketing and customer orientation: these are the foundation that the innovative force is based on which Kögel uses to develop and implement transport solutions. State-of-the-art design and simulation software are used – however innovation starts in the mind and a pencil sketch is still generally the first step in the complicated process from the basic idea to the perfect end product.

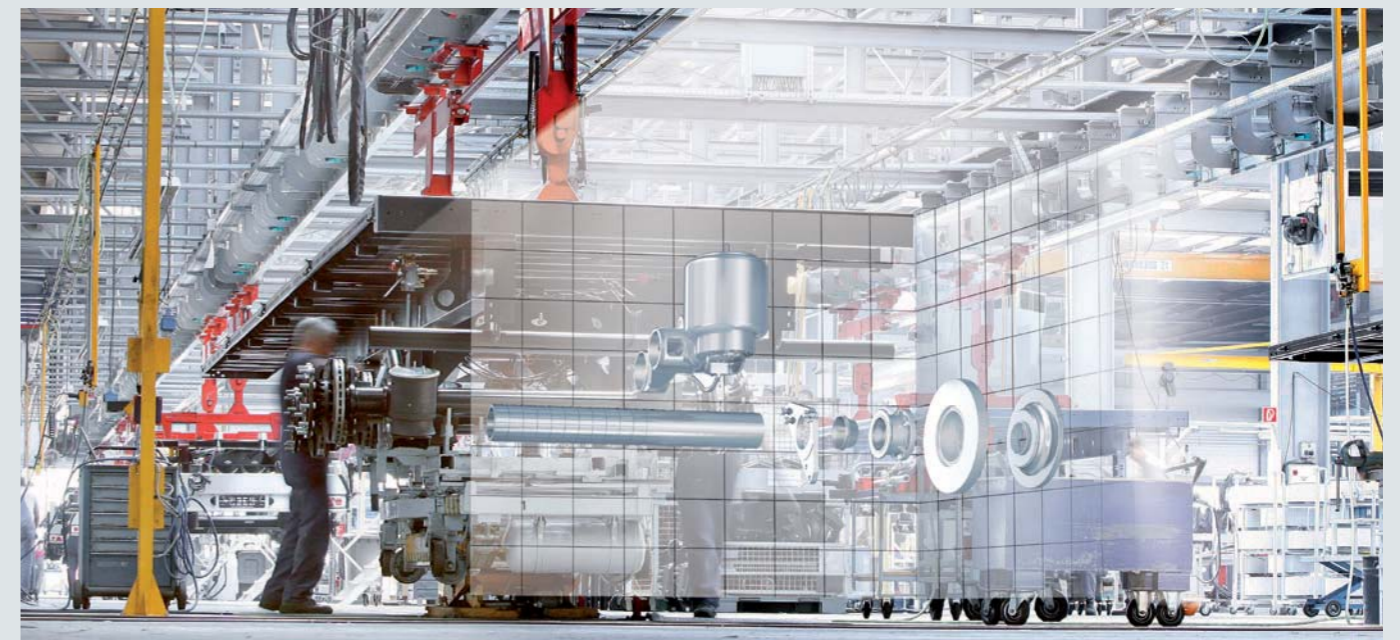
A special feature at Kögel is the close collaboration with the customer throughout all phases of development to be able to always keep the practical requirements in mind and to gather the important impulses from the marketplace: Approaches to solutions are discussed with customers, prototypes are tested together and customer feedback is incorporated into further development and optimisation. All components are tested in our own experimental department under extreme conditions which go far beyond the normal requirements. The vehicles are subjected to intensive driving and rough road tests, in rain, snow and ice and

under a scorching sun. This is because only products that pass these strenuous tests will be capable of withstanding all stresses and strains of day-to-day use for many more years to come. Kögel places great store on high-quality materials, extraordinary workmanship and quality-oriented sequences throughout the production process.



The most important innovation factor at Kögel consists of the competent, creative and committed members of staff.

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Kögel Cargo



Kögel Cargo – The solid long-distance runner

As a forwarding company, you have a top quality trailer in your fleet with the Kögel Cargo. The semi-trailer scores points for example with its durable frame: Cross beams and floor constructions mean it attains a significantly higher point load than traditional trailers. With the Nano-Ceramic plus cathodic dip-paint coating with subsequent UV coating, the Cargo trailer is sustainably protected against corrosion.

It is not only load bearing ability and capacity where the Cargo semi-trailer plays its trumps. Even when loading and unloading as well as load-securing, the trailer provides optimal solutions. For example, the XL certified integral roof tarpaulin prevents loaded goods becoming entangled with the roof belts. Also practical: The hybrid quick-opening mechanism also available as an option. Press the pneumatic switch and the tarpaulin opens quickly and easily. Owning a Kögel Cargo means you will have a trailer with the highest quality finish which you company will be able to use for many years.



Fifth wheel load

The Kögel Cargo is designed for 2- or 3-axle tractors with high fifth-wheel load.



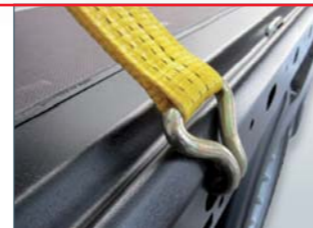
Chassis and floor

- Extremely stable frame with well-designed layout of cross beams
- Designed for a safe floor load for high fork-lift axle loads, optionally also available in paper model



Volume

The Kögel Cargo has optimised internal construction for an even greater loading platform.



VarioFix perforated steel external frame

- Short distances between slots ensures that cargo can be securely fastened at virtually any part of the vehicle
- The perfect lashing angle prevents wear of the tension straps



Coil trough

For guaranteed safe loading, the vehicle is equipped with a coil trough according to VDI 2700 which can accommodate steel coils and split strips with diameters ranging from 900 to 2,100 millimetres.



4-tonne heavy-duty lashing rings

They allow secure bracing of heavy coils and steel bands in the area around the coil trough and are compatible with standard split strip securing systems.



Side protection net

- Aluminium and wooden slats can be replaced with a side protection net:
- Certified in accordance with DIN EN 12642 XL and Daimler directive 9.5
 - Easy to use
 - Reduces the tare weight



Coilfix

The Coilfix Load Securing system is used for form-locked loading of coils and unstable split strips. Due to the flat arrangement of the tension beam as well as the insertable stakes (according to the SIDMAR guideline), any damage to the coils and split strips is avoided.



Weight

The low tare weight means a high payload.



Sliding roof with integral roof cover reinforcement

- With the integrated roof cover reinforcing belts hanging in the inside when moving the sliding roof are no longer a problem
- It can be opened from back to front and optionally also from the front

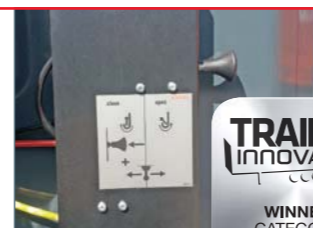


Hybrid quick-release lock (optional)

- Short holding times with fast opening and closing of tarpaulins

Hybrid function:

- Pneumatic: tarpaulins easily opened with the standard pneumatic switches
- Manual: the system can be operated manually in case of power failure or trailer with empty air tank



Kögel Industry Solutions Cargo

Cable/Coil	Paper	Ferry/RoRo	Rail	Beverages	White goods	Boards and palletted goods	Automotive	Tire
■	■	■	■	■	■	■	■	■

Kögel Equipment Characteristics Cargo

Drop side	Sliding tarpaulin	TIR
■	■	■

Kögel Light



Kögel Light – The strong lightweight

The low tare weight is a heavyweight advantage: As one of the lightest trailers in Europe the Kögel Light Standard and the Kögel Light Coil are particularly economical in transit. They offer maximum payload and they are noted for the quality of their chassis and body, and they also comply with the ever-increasing weight inspections and like all Kögel vehicles they maintain their value for many years.

The chassis, optimised for weight and strength, has already proven its outstanding stability and load capacity in a wide range of applications. Available with a wide range of equipment, it can be used for all types of transport, such as coils, beverages, paper or building materials.



Fifth wheel load

The Kögel Light is designed for 2-axle tractors with high fifth-wheel load.



Chassis and floor

- Optimised frame structure with holes to reduce weight
- High stability in spite of low material use
- Load-bearing capacity for high fork-lift axle loads



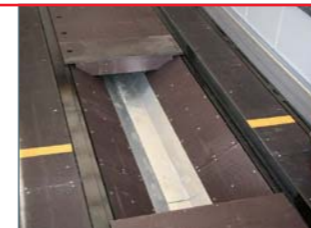
Volume

The Kögel Light has optimised internal construction for an even greater loading platform.



Weight

The low tare weight means a high payload.



Coil trough

For guaranteed safe loading, the vehicle is equipped with a coil trough according to VDI 2700 which can accommodate steel coils and split strips with diameters ranging from 900 to 2,100 millimetres.



4-tonne heavy-duty lashing rings

They allow secure bracing of heavy coils and steel bands in the area around the coil trough and are compatible with standard split strip securing systems.



Side protection net

- Aluminium and wooden slats can be replaced with a side protection net:
- Certified in accordance with DIN EN 12642 XL and Daimler directive 9.5
 - Easy to use
 - Reduces the tare weight



Coilfix

The Coilfix Load Securing system is used for form-locked loading of coils and unstable split strips. Due to the flat arrangement of the tension beam as well as the insertable stakes (according to the SIDMAR guideline), any damage to the coils and split strips is avoided.



VarioFix perforated steel external frame

- Short distances between slots ensures that cargo can be securely fastened at virtually any part of the vehicle
- The perfect lashing angle prevents wear of the tension straps



Stanchions

- Very robust sliding sideposts, XL body available
- Simple handling



Quick-locking device with lever

- A quick-locking device for the front section is optionally available
- For particularly simple and fast opening and closing of tarpaulins from the front



Sliding roof with integral roof cover reinforcement

- With the integrated roof cover reinforcing belts hanging in the inside when moving the sliding roof are no longer a problem
- It can be opened from back to front and optionally also from the front

Kögel Industry Solutions Light

Coil	Paper	Beverages	Boards and palletted goods
■	■	■	■

Kögel Equipment Characteristics Light

Drop side	Sliding tarpaulin	TIR
■	■	■

Kögel Mega



Kögel Mega – The volume marvel

The Kögel Mega is perfect for classic standard tasks and able to take on large quantities when a high volume transport solution is required. With its clear interior height of 3 m, the Kögel Mega models are ideal for loading three stacked pallet cages, such as those used primarily in the automotive industry. As a result of its simple handling, the flexible and fast payload capacities, the high payload capacities and the low maintenance costs, the Kögel Mega is one of the most economical volume-carrying trailers currently on the market.



Fifth wheel load

The Kögel Mega is designed for axle tractors with low fifth-wheel height.



Chassis and floor

- Extremely stable frame with well-designed layout of cross beams
- Designed for a safe floor load for high fork-lift axle loads, optionally also available in paper model



Volume

- Maximum volume with 3 m interior height and a high side loading height
- Optimal for transporting automotive pallet cages



Weight

The low tare weight means a high payload.



VarioFix perforated steel external frame

- Short distances between slots ensures that cargo can be securely fastened at virtually any part of the vehicle
- The new external frame design offers the perfect lashing angle prevents wear of the tension straps



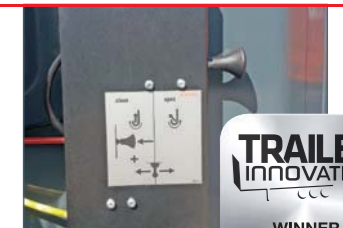
Lifting roof

The Kögel Mega has a standard mechanical-hydraulic lifting roof.



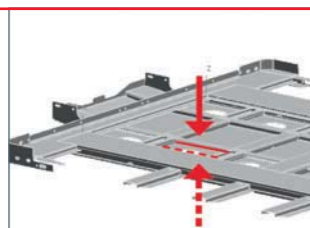
Hybrid quick-release lock (optional)

- Short holding times with fast opening and closing of tarpaulins
- Hybrid function:**
- Pneumatic: tarpaulins easily opened with the standard pneumatic switches
 - Manual: the system can be operated manually in case of power failure or trailer with empty air tank



Full volume when loaded according to legal regulations: 4 meter maximum height

The new semi throat construction with an internal height of three metres makes it possible to achieve maximum volume and efficiency: the Mega – perfect height.



Mega Light

Kögel also offers the Kögel Mega Light for all customers who value a low tare weight, higher payload and an interior height of 3 m with high stability.



Side protection net

- Aluminium and wooden slats can be replaced with a side protection net:
- Certified in accordance with DIN EN 12642 XL and Daimler directive 9.5
 - Easy to use
 - Reduces the tare weight

Kögel Industry Solutions Mega

Automotive	Ferry/RoRo	Rail	Beverages	White goods	Boards and palleted goods	Coil
■	■	■	■	■	■	■

Kögel Equipment Characteristics Mega

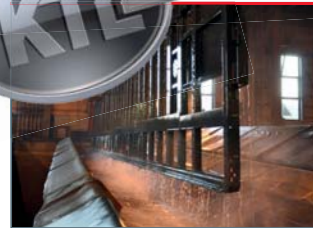
Drop side	Sliding tarpaulin	TIR
■	■	■

Kögel Multi



Kögel Multi – The platform semi-trailer for weather-resistant freight

The Kögel Multi is a platform trailer for the building material transport business and also for any weather-resistant freight. The 3-axle semi-trailer - optionally with a self-steering axle for improved handling - can transport goods on pallets as well as construction materials which are extra long or extra wide. The platform trailer is easy to load: Simply fold down the optional drop sides on the sides and at the back. The aluminium drop sides are available in various heights (600, 800 or 1000 millimetres). Of course you can also completely remove the drop sides. An optional storage box underneath the loading platform will securely hold drop sides and folding stakes while driving. A clear advantage when planning a route: Using the flexible drop sides for example you can delivery cobblestones on pallets and then load extra long pipes or Prefabricated concrete parts for the next drop.



Corrosion protection

Nano Ceramic plus cathodic dip-paint coating of the frame.



Platform gates (optional)

- Folding and detachable platform gates for greater flexibility
- Available heights of 600/800/1,000 millimetres
- 3-fold or 4-fold division



Platform gate storage (optional)

Storage for platform gates and folding stakes in closed container.



Stake stanchion pockets (optional)

The stake pockets and slots are distributed along the entire length of the loading platform.



Stake storage (optional)

Insertable stakes stowed quickly and safely in the side members.



Front wall (optional)

DIN EN 12642 Code XL body and lashing rings on front wall for secure transport. Optionally available in various heights and in steel or aluminium.



Steering axle (optional)

Self-steering axle for improved cornering characteristics and driving comfort.



VarioFix perforated steel external frame

Lashing rings on outer frame for flexible load securing with tension ratings of 2,000 or 4,000 kilograms.

- Short distances between slots ensure that cargo can be securely fastened at virtually any location
- A perfect lashing angle prevents wear of the tension straps



Container locks

Optional container transport for 20 and 40-foot containers.



Stake storage (optional)

Console to entrain a stacker at the rear.



Axle lift (optional)

Axle lift first axis fully automatic control, load dependent.



3-metre equipment package

Front and rear for wide loads up to 3 m and revolving beacon light 2 pairs extensible warning signs.

Kögel Industry Solutions Multi

Building materials	Boards and palleted goods	Steel transport	Container transport
■	■	■	■

Kögel Equipment Characteristics Multi

Drop side	Stake pocket variants	Forklift console	Container locking mechanism
■	■	■	■

Kögel FlexiUse



Kögel FlexiUse – the flexible choice among trailers

The Kögel FlexiUse is suited for the flexible usage of various tractor units, with fifth-wheel heights of 990 millimetres to 1180 millimetres (unloaded). Thanks to the large adjustment range, the body can be adapted to these fifth-wheel heights. Thus the trailer is not just able to do more tasks, it also saves forwarding companies time and money. The Kögel FlexiUse is based on the popular and well-proven Kögel best sellers, Cargo and Mega. Along with the familiar benefits such as the low maintenance costs and the high quality finishing, this also allows it to combine the individual strengths of both trailers - volume of the Mega and all-purpose suitability of the cargo.



Corrosion protection

Nano Ceramic plus cathodic dip-paint coating of the frame.



Additional second ride heights

Two supply connections (red) on the air/lighting console provide a second ride height.



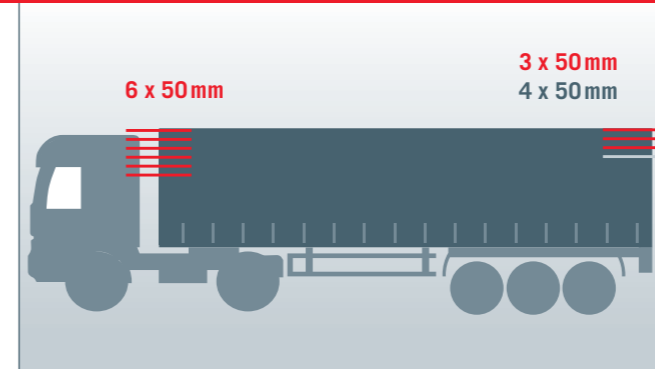
Storage box

Available with 24/30/32 pallet storage boxes with sufficient ground clearance.



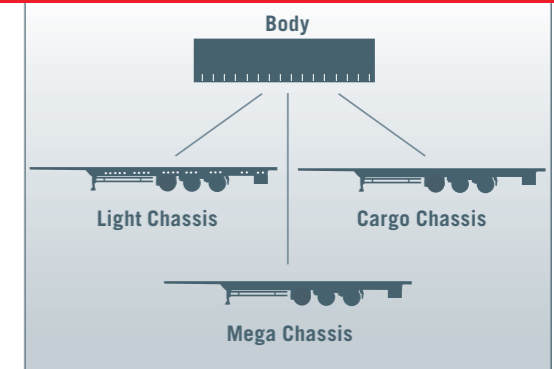
Support frame

Internal height can be adjusted flexibly to match the load.



Flexibility

The FlexiUse body can be reduced by 12 x 25 mm at the front and 4 x 50 mm at the back. It has a maximum clearance height of 3,000 mm (optionally 2,900 + 2,950 + 3,050 mm). A second ride height allows different semi-trailer trucks to be used.



Modular system

The FlexiUse body can be adapted to other Kögel chassis such as Cargo, Mega and Light.



Tarpaulin

Side tarpaulin with Velcro fastener for variable height adjustment.



Body stability

Vehicle certified according to DIN EN 12642 Code XL.



Side protection net

Aluminium and wooden slats can be replaced with a side protection net:

- Certified in accordance with DIN EN 12642 XL and Daimler directive 9.5
- Easy to use
- Reduces the tare weight

Kögel Industry Solutions FlexiUse

Automotive	Paper	Beverages	Boards and palletized goods
■	■	■	■

Kögel Equipment Characteristics FlexiUse

Sliding tarpaulin
■

Kögel Quality Characteristics

Kögel Assistance 24h Hotline
00800 8285 88-88



Safety

Well-thought-out components provide high levels of active and passive safety: specially developed panelling elements on the frame for improved aerodynamics, underride guard compliant with the new EC Directive, standard Load Securing as per EN 12642 XL, RSS for greater driving stability and safety-optimised height adjustment valve (lifting roof with BG support). Kögel vehicles also have outstanding trailing characteristics.



Electronic system and lighting

EBS is part of standard equipment. The lighting can be supplied entirely in LED design, providing long-term durability and reduced power consumption.



Underride guard

The reinforced underride guard increases safety levels for all road users. It can be installed and replaced separately.

Light brackets

The light mounting is made of impact-resistant plastic and guarantees 100% corrosion protection. It can be installed and replaced individually.



Corrosion protection

Nano Ceramic plus KTL coating, the most modern and highest quality industrial surface treatment on the market provides the same outstanding properties as the coating previously applied using zinc phosphate, but it is more environmentally friendly and provides a better energy balance. The durable clean surface coating can be repainted at any time.



Service

Our comprehensive service facilities are available at any time from anywhere at www.koegel.com. Repair and guarantee services can be simply dealt with online. Our Kögel Assistance hotline is available around the clock in many European languages.



Comprehensive testing

All vehicle components are checked in dynamic driving tests according to the highest standards.



Environmental protection and sustainability

Kögel vehicles make an active contribution to the reduction in fuel consumption and environmental pollution: The aerodynamics are optimised, noise emission is constructively reduced, in production, strict requirements are observed to protect the environment and ensure that the materials used can be recycled.



Load Securing and body stability

Kögel fulfils all stability requirements for reinforced bodies according to EN 12642 XL. For vehicles with this certificate, the Load Securing process operates very simply: with form-locked loading secured at the rear, the body absorbs all forces arising from the driving dynamics according to VDI 2700.

Kögel Industry Solutions

Precisely the trailer you need

Kögel offers specialised trailer configurations with practical solutions for many different industries. With our versatile product and accessories programme, our innovative products for load-securing, the special technologies from our own development department and extensive industrial expertise, we can realise made-to-measure transport solutions for any application right up to highly individual special designs.

Automotive



Low tare weight, optimum volume, simple rapid loading, specific securing for pallet cages, pallets and small-sized carriers and an excellent cost to benefit ratio are Kögel's answer to the requirements of delivery traffic in the automotive industry.

Cable/Coil



High levels of carrying capacity for particularly concentrated loads, the robust load-bearing structure, stable coil troughs and unique safety solutions are advantages that characterise Kögel in this sector.

Paper



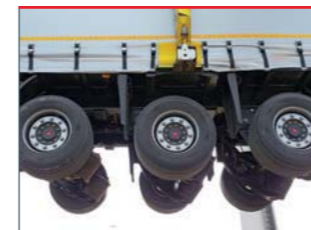
The sturdy vehicle frame by Kögel is designed for highly concentrated loads. In combination with the non-slip load-carrying flooring, which the roll rail systems are recessed into, and special patented load-securing systems, Kögel offers everything required to safely transport heavy rolls of paper.

Ferry/RoRo



For RoRo traffic, Kögel offers specially adapted vehicle equipment which has been optimised based on extensive experience. Important features are easily accessible and sturdy lashing points and generously-dimensioned free spaces.

Rail



Kögel also offers vehicles that are approved for rail loading. With special reinforcement in the frame and the body, protection plates at the gripper points and railway underride guard.

Beverages



High payload and intelligent load-securing, also for securing partial loads, time-saving loading and unloading and high levels of efficiency in use are the most important requirements that Kögel meets with flying colours.

White goods



This cargo is both sensitive and valuable, thus presenting very special requirements of the transport securing system. This is no problem with Kögel's special expertise in the area of load-securing.

Boards and palleted goods



It takes state-of-the-art engineering know-how to effectively secure the wide range of different types of cargo, weights and loads with a high centre of gravity. Kögel offers a wide range of different special solutions for this application.



Kögel CLIMATEX –

the Kögel cool air distribution system



Kögel COILFIX –

the Kögel Load Securing system for coils and split strips



Kögel PurFerro –

the Kögel sandwich-panel technology for box and refrigerated vehicles



Kögel Trailer Axle –

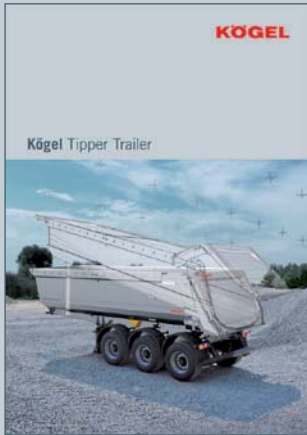
the Kögel Trailer Axle



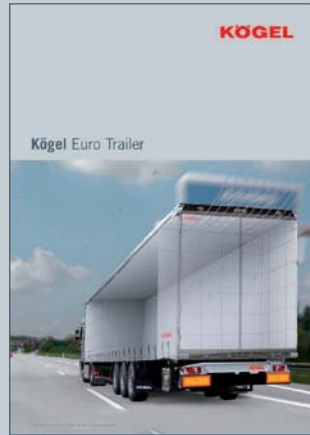
Kögel Telematics –

Kögel Trailer Telematics module + Kögel Telematics web portal

Kögel Product Ranges



Tipper Trailer



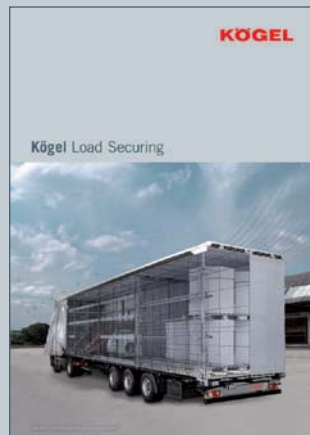
Euro Trailer



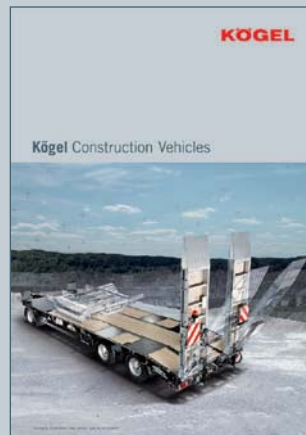
Demountable Systems



Box Trailers



Load Securing



Flatbed Trailers

KÖGEL

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