

KÖGEL

NOVUM: LIGHT & STRONG

KÖGEL PLATFORM TRAILERS



PASSION MEETS ENGINEERING ART:

PASSIONEERING FOR OUR CUSTOMERS

What's more exciting than the transport sector? The future of the transport sector! We passionately believe that to stay profitable, you have to stay ahead of the game – and our experience has shown that to be true. Competitive pressure on our customers is building. That's why we want to lighten the load – along with the cargo that you transport with reliable Kögel trailers every day. A close, cooperative partnership with our customers is the starting point of all our innovations. Only then can we quickly identify their changing needs and requirements – and get the right solutions on the road. That's where engineering comes in, which we have loyally practised for over 80 years. Our commitment to uncompromising quality. And, of course, our dedicated professional team.

From practice to theory and from plan to practice: Passioneering never stops.

All our customers' challenges flow directly into the development process. We subject our innovations to intensive testing far beyond the usual requirements. Extreme driving manoeuvres, heavy loads, poor road surfaces, rain, ice, snow and scorching sun – our trailers have to withstand it all without a hitch. Only then are we satisfied – for now, at least. Because only then can we be sure that our most discerning customers are satisfied too. But the end of every development process is only the beginning of something new. After all, everything we do is with the future of the transport sector in mind.

Find out more about passioneering and our exceptional quality standards at www.koegel.com

THE NEW TRAILER
GENERATION:
NOVUM 4

THE ROBUST
ENDURANCE RUNNER:
KÖGEL CARGO 6

QUITE SIMPLY - LESS
WEIGHT, MORE LOAD:
KÖGEL LIGHT^{PLUS} 8

MASTERFUL
VOLUME:
KÖGEL MEGA 10

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STORAGE** 28



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YOUR BENEFITS AT A GLANCE

PROFITABILITY RE-EXAMINED

Reinforced body

The new air and light panel on the front wall transmits the force that the body is exposed to when driving along directly into the frame via the side member. This provides support for the front wall to the front and extends the service life of the body.

Identical slat length

The stake fields having the same size ensures flexible deployment of the lattices.

Diversity

Many variants of the Kögel platform trailers Cargo, Mega and Light^{plus} of the NOVUM generation are already available.

New external frame

Improved access provided by the Vario-Fix steel perforated external frame being relocated to the inside and simple load-securing as a result of an optimised lashing angle.

Safe loading process

Complete mounting surface for safe and simple loading and unloading from the side. Individual adaption of the slat mounts is possible at any time.



Frame

Sturdy, twist-resistant welded ladder-type frame with full-width cross beam for high payloads and concentrated load.



Strong & Go body

Optional equipment.
Reinforced roof and side tarpaulins.
Load-securing with beverages with a single row of slats, Daimler Directive 9.5 without slats is possible.
See page 7



User-friendliness

The levering aid during opening the tarpaulins: the “cake slice effect”

Door locks

Rapid and simple opening with one hand is possible.

Durability

A new connection plate on the rear, 40 mm slimmer and stronger, ensures even more stability.



Kögel FastFix textile lattice

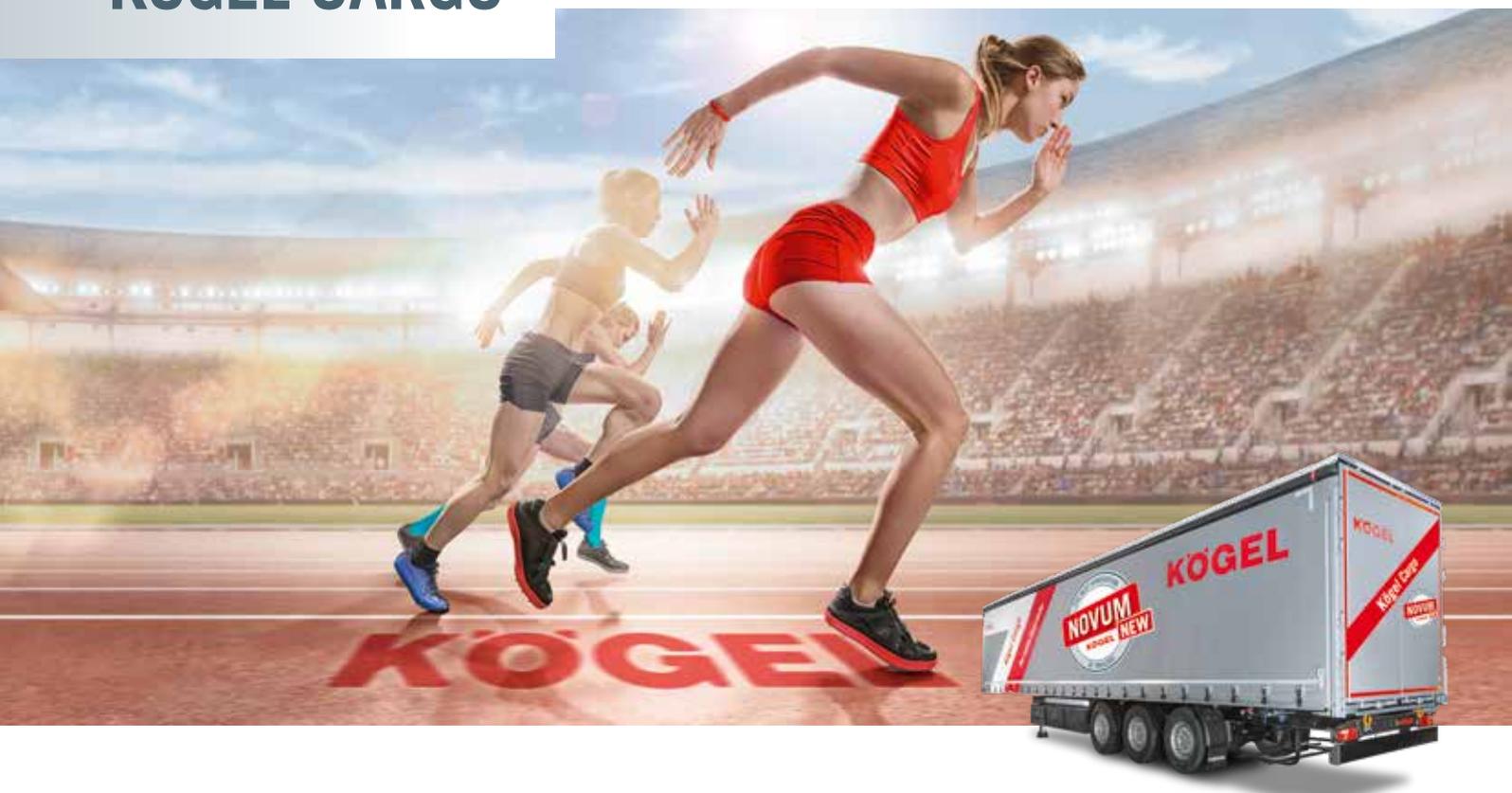
Optional equipment.
Space-saving storage, just 495 grams per textile lattice, improved safety.

Simple handling

T-shaped lashing brackets simplify handling
Increased tensile force of 2,500 kilogrammes.

THE ROBUST ENDURANCE RUNNER

KÖGEL CARGO



The Kögel Cargo: the reliable partner for logistics companies who value a sturdy, durable trailer - but who also don't want too much on the scales in terms of its weight. The Cargo is available in a wide variety of frame and body variants and could therefore be the tailor-made answer for you.

IMPRESSIVE BENEFITS ...

sturdy, robust welded ladder-type frame



..... low tare weight



AVAILABLE AS ...

..... frame neck 90 mm and 120 mm



..... FlexiUse body



YOUR INDUSTRY – OUR SOLUTION FOR ...

..... coil

..... paper

..... ferry

..... coil rail

With and without drop sides



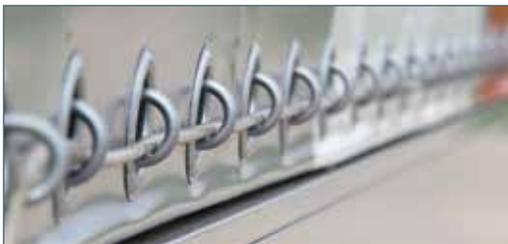
Strong & Go



rapid, simple and safe handling during loading and unloading



Customs seal



normal deployment or customs sealed for trans-border traffic in third countries

With and without lifting roof



increased side loading height for loading from the side, at the same time load area width up to the underside of the roof thanks to 163 mm L roof strap profile

103 mm roof strap

..... beverages automotive

QUITE SIMPLY - LESS WEIGHT, MORE LOAD

KÖGEL LIGHT^{PLUS}



Minus plus minus gives plus - at Kögel a reduction in the frame throat height and weight-optimised frame produces the Kögel Light^{plus}. In the development, the focus was on reduction in the basic weight and, at the same time, on high levels of stability and durability. Thanks to the modular construction, many of the equipment variants of the Cargo are also available for the Light^{plus}.

IMPRESSIVE BENEFITS ...

AVAILABLE AS / WITH ...

..... low tare weight starting from 4,822 kg

..... sturdy durable frame

..... optional lifting roof

..... FlexiUse body



YOUR INDUSTRY – OUR SOLUTION FOR ...

..... coil

..... paper

..... beverages

..... paper

With and without drop sides



Strong & Go



rapid, simple and safe handling during loading and unloading

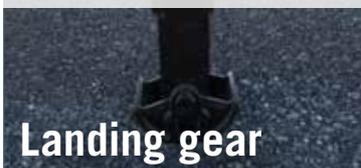


EQUIPMENT ...

Weight-reducing aluminium equipment



Wheel rims



Landing gear



Air tank



Roof crossmember arch

MASTERFUL VOLUME

KÖGEL MEGA



Alongside the stability and durability with low basic weight, the focus with the Kögel Mega is on the usable load space volume for your transport needs - the load area width can be used up to the underside of the roof with an internal height of three metres. A low frame and bogies optimised for 19.5" tyres, permit realisation of the maximum volume in the body. This makes the Kögel Mega a popular partner for automotive transport.

IMPRESSIVE BENEFITS ...

AVAILABLE AS / WITH ...

..... sturdy frame ... height-adjustable body FlexiUse body



YOUR INDUSTRY – OUR SOLUTION FOR ...

..... coil ferry rail paper

With and without drop sides



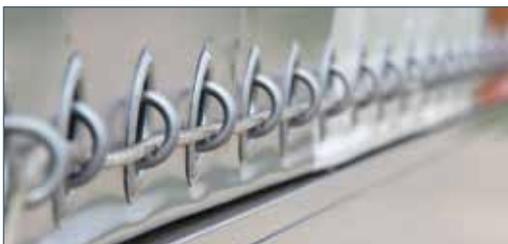
Strong & Go



rapid, simple and safe handling during loading and unloading



Customs seal



Normal deployment or customs sealed for trans-border traffic in third countries

KÖGEL INDUSTRY SOLUTIONS IN DETAIL

COIL TRANSPORT



AVAILABLE ...



... for Kögel Cargo also in Rail Version

Distributed load max. 30 t
evenly distributed over 1.5 m
over the centre of gravity of the
payload.



... for Kögel Mega

Distributed load max. 25 t evenly
distributed over 2 m over the
centre of gravity of the payload.

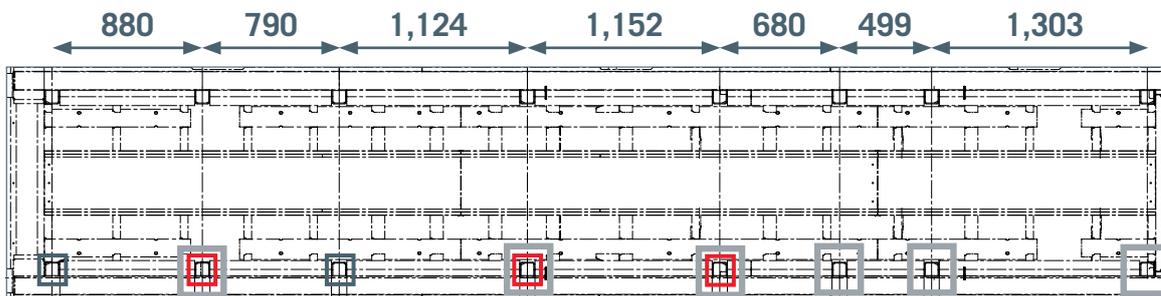


... for Kögel Light^{plus}

Distributed load max. 27 t
evenly distributed over 1.5 m
over the centre of gravity of the
payload.

TECHNICAL DATA OF STANDARD EQUIPMENT

Coil trough 7,200 mm (standard on Cargo, Mega and Light^{plus})

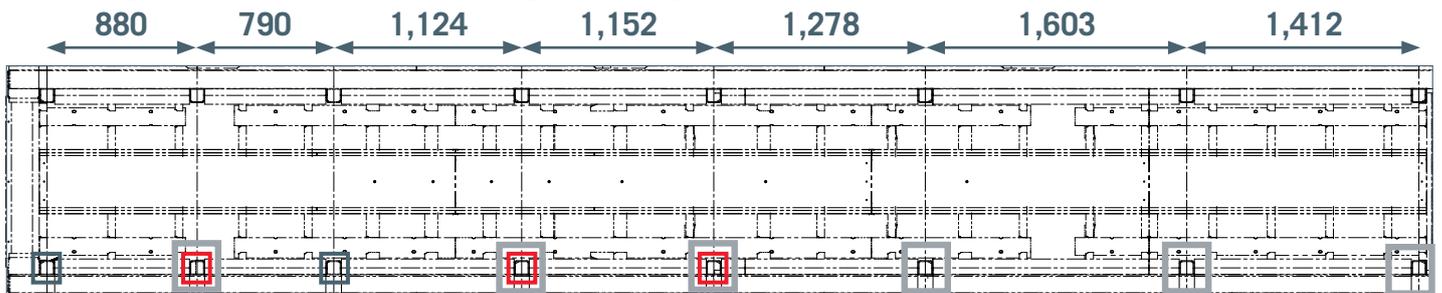


STANDARD

3 PAIRS OF STAKE POCKETS
ADDITIONALLY

6 PAIRS OF STAKE POCKETS
ADDITIONALLY

Coil trough 9,000 mm (option for Cargo and Mega)



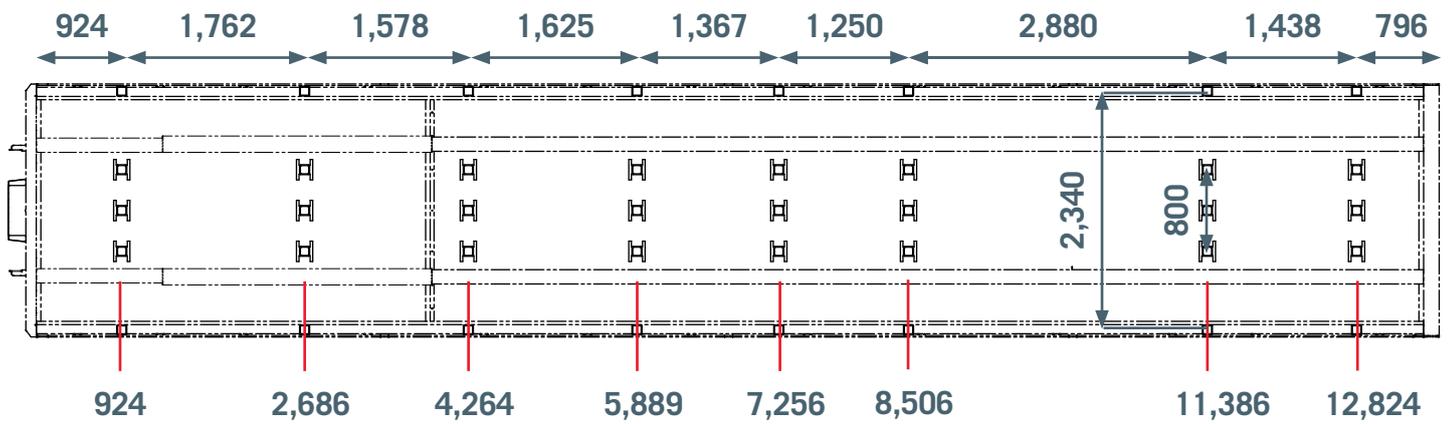
STANDARD

3 PAIRS OF STAKE POCKETS
ADDITIONALLY

6 PAIRS OF STAKE POCKETS
ADDITIONALLY

STEEL TRANSPORT

TECHNICAL DATA OF STANDARD EQUIPMENT



- ↔ Distance between the stake pockets
- | Distance from front wall to the stake pockets



8 stake pocket rails: maximum variability

STORAGE FOR SQUARE TUBE STAKES



16x storage



8x storage



new storage for
8 stakes at the
side

KÖGEL INDUSTRY SOLUTIONS IN DETAIL

BEVERAGE TRANSPORT



AVAILABLE ...



... for Kögel Cargo



... for Kögel Mega



... for Kögel Light^{plus}

LOAD WIDTH 2,400 MM

Standard body



variable lattice support can be used as a replacement for the bottom row of lattices

single layer beverage transport with 2 rows of lattices
double layer beverage transport with 3 rows of lattices

Strong & Go body



single and double layer beverage transport with 1 row of lattices

The required number of lattices changes in combination with the drop sides.

KÖGEL INDUSTRY SOLUTIONS IN DETAIL

BEVERAGE TRANSPORT

LOAD WIDTH 2,140 MM (BOTTLE CRATES)



3 rows of aluminium reversible slats

CASK TRANSPORT



1 row of aluminium lattices for each layer of casks

STORAGE FOR LATTICES AT THE SIDE OF THE TRAILER



Lattice storage



FastFix, the textile lattice by Kögel



KÖGEL INDUSTRY SOLUTIONS IN DETAIL

AUTOMOTIVE



Automotive transport: in most cases this means the transport of pallet cages and small-sized carriers on pallets - but it can also include special transport jigs up to large frame sections. The Daimler Directive 9.5 remains the industry standard for these transports

AVAILABLE ...



... for Kögel Cargo

Allrounder adapts to any transport task.



... for Kögel Mega

Volume for 3 pallet cages one above the other.



... for Kögel Light^{plus}

More payload with even loading.

DAIMLER RL 9.5 EQUIPMENT



tarpaulin 24 tensioner



pallet stop

Standard body



2 rows of lattices

Strong & Go body



without lattices

The use of lattices is stipulated in the Daimler Directive 9.5 for the transport of small-sized carriers.

KÖGEL INDUSTRY SOLUTIONS IN DETAIL

RAIL



The Rail version for semi-trailers is simply expressed as: a semi-trailer is loaded onto a rail car using a crane. The trailer needs to be specially equipped for this purpose:

EQUIPMENT ...



Grab edges



Axles in rail version



Side tarpaulin and roof tarpaulin in rail version

AVAILABLE ...



... for Kögel Mega



... for Coil Rail



... for Cargo Rail

Pocket wagons have a different structure, and this means that not all semi-trailers are suitable for any pocket wagon.

Designed for loading on pocket wagons type "e l f l g l i"

Designed for loading on pocket wagons type "a l c l d l e l f l g l h l i"

Designed for loading on pocket wagons type "a l c l d l e l f l g l h l i"



The rail coding index of the trailers is directly dependent on the total height of the trailer in the pocket wagon. The rail coding index stipulates which track sections a trailer can be used on.

P400
Clear height below roof:
2,950 mm
Height of trailer jack: 880 mm

P400
Clear height below roof:
2,710 mm
Height of trailer jack: 980 mm

P390
Clear height below roof:
2,710 mm
Height of trailer jack: 980 mm

The details concerning the compatibility with pocket wagons and the rail coding index refer to the basic equipment level of the trailers.

KÖGEL INDUSTRY SOLUTIONS IN DETAIL

RORO



RoRo traffic describes the use of trailers on ferries. The trailers themselves are secured as a load on the ferry.

In RoRo transport we differentiate between 2 types:

- 1) accompanied transport with tractor unit
- 2) unaccompanied transport without tractor unit

AVAILABLE FOR / WITH ...



... for Kögel Cargo

RoRo accompanied
RoRo unaccompanied
RoRo Strong unaccompanied



... for Kögel Mega

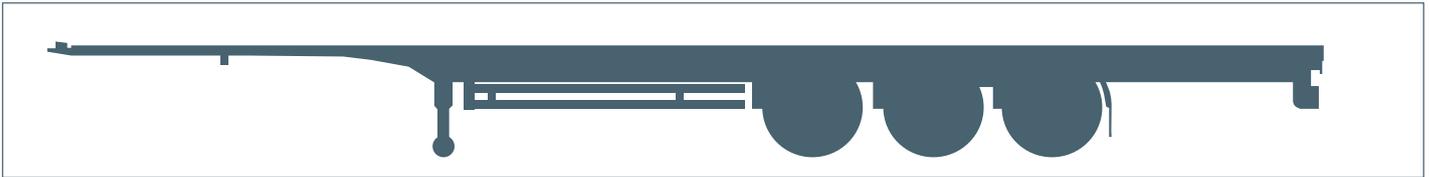
RoRo accompanied
RoRo unaccompanied
RoRo Strong unaccompanied



... for Kögel Light^{plus}

RoRo accompanied

RORO EQUIPMENT



4 pairs of heavy-duty lashings



RoRo accompanied



RoRo unaccompanied



RoRo Strong unaccompanied

KÖGEL INDUSTRY SOLUTIONS IN DETAIL

PAPER TRANSPORT



Paper transport: one of the most challenging transport tasks, because paper rolls are both heavy and easy to damage by moisture and “mechanical loads”.
The Kögel Novum generation of trailers offers a high level of body sealing and special solutions for paper transport together with the right load-securing.

AVAILABLE ...



... for Kögel Cargo



... for Kögel Mega



... for Kögel Light^{plus}

TRANSPORT OF PAPER ROLLS

Paper rolls are transported lying down or upright depending on the weight and size.
Paper rails let into the floor.

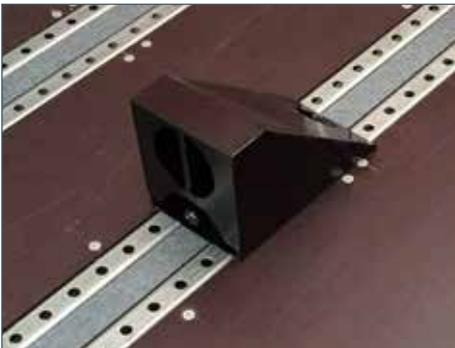


Aluminium rails



Steel rails

Combination rails for the load-securing with chocks and the use of paper rail rollers



Chock in rail longitudinally



Chock in rail laterally



Adapter plate



Chock with adapter plate

ATTACHED PARTS

STORAGE BOXES AND STORAGE

PALLET STORAGE BOX



Pallet storage boxes for 24, 30 and 32 Euro pallets



Pallet storage box for 8 Euro pallets

TOOLBOXES



large toolbox dimensions
(internally) approx. 923 x 422 x 460 mm



Small toolbox dimensions
(interior) approx. 545 x 400 x 400 mm

STORAGE FOR LOAD-SECURING ACCESSORIES - PAPER TRANSPORT



Storage on the front wall

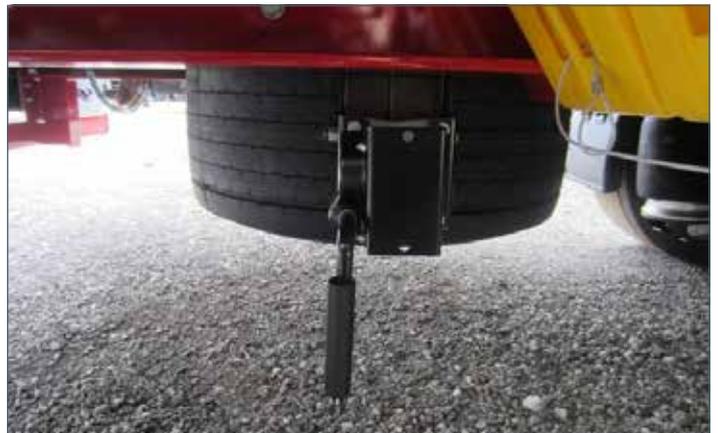


Storage on the frame

STORAGE FOR SPARE WHEELS



Basket for 2 spare wheels



Winch for one spare wheel

YOUR BENEFIT – QUALITY ✓



Safety

Complex components guarantee a high degree 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 trailers also have outstanding trailing characteristics.



Electronic system and lighting

EBS is fitted as standard. Full LED lighting is available to provide a long life and minimise power consumption.



Underride guard

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

Light mounting

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



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

Visit www.koegel.com to take advantage of our comprehensive services at any time and from anywhere. Repair and warranty services can be managed conveniently online. Our Kögel Hotline Assistance is available around the clock in many European languages.



Extensive tests

All trailer components are tested to the highest standards in static and dynamic tests.



Environmental protection and sustainability

Kögel trailers make an active contribution to reducing fuel consumption and environmental pollution: The aerodynamics are optimised, noise emissions are reduced, and strict guidelines are observed during production 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. Securing the load on trailers with this certificate is very simple: with a form-locked load secured at the rear, the body absorbs all forces generated thanks to the driving dynamics according to VDI 2700.



Kögel PurFerro –

the Kögel sandwich technology for box and refrigerated trailers



Kögel Trailer Axle –

The Kögel trailer axle



Kögel Telematics –

Kögel Trailer Telematics module + Kögel Telematics web portal



Kögel Strong & Go –

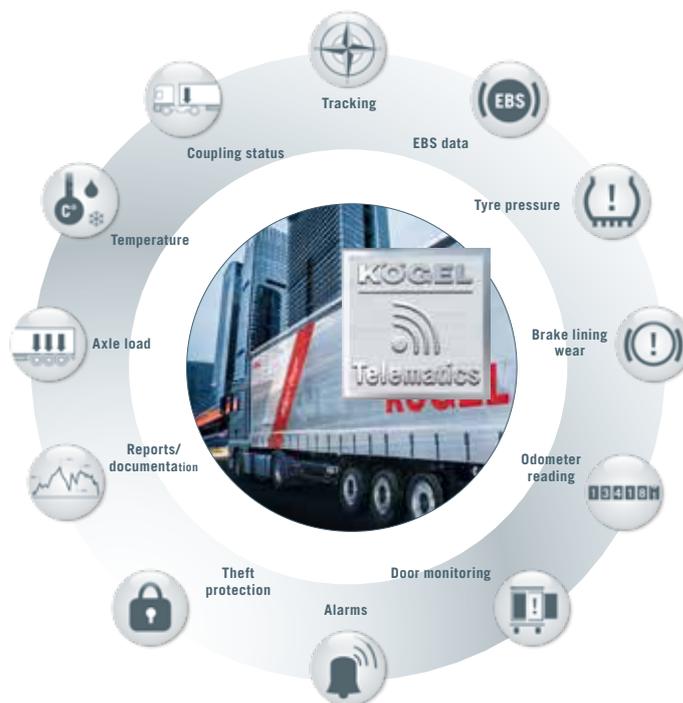
The innovative body from the NOVUM generation, in combination with a Kögel integral roof tarpaulin reinforced with stiffening belts.

YOUR BENEFIT – CUSTOMISATION ✓

Kögel offers a wide range of special solutions. The wide range of variants for transport with special requirements allows us to offer customer-oriented equipment.

Kögel Telematics – the benefits at a glance

- ✓ Reduced operating costs
- ✓ Increased efficiency
- ✓ Transparency and optimisation of logistics processes
- ✓ Transparency of vehicle status and availability
- ✓ Checking and monitoring of loads, e.g. temperature of goods
- ✓ All important trailer data is displayed visually on the web-based telematics portal
- ✓ Trailer monitoring to prevent theft with timely alarms and location tracking of the trailer



Kögel Full-Service

- ✓ All service work specified and recommended by Kögel in accordance with the maintenance checklist, including all the necessary spare parts and consumables (except for fuel)
- ✓ All repairs required due to wear and tear on the condition that the parts were used and deployed appropriately and for the appropriate purpose
- ✓ Accounting control, accounts management and workshop handling
- ✓ Labour costs, materials costs and acceptance charges for legally required tests: Roadworthiness test and safety assessment in accordance with §29 Road Traffic Regulations (StVZO) at licensed testing organisations, e.g. TÜV, DEKRA, GTÜ, and annual LASI check of the load-securing certificate in accordance with EN 12642 – XL

Kögel load-securing packages

such as XL certificate (with beverages), Daimler load-securing 9.5 and other packages for the transportation of tyres, octabins and waste paper.

Kögel safety packages

such as OptiTire tyre pressure monitoring, SAF Tire Pilot, RSAB and Telematics.

KÖGEL

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