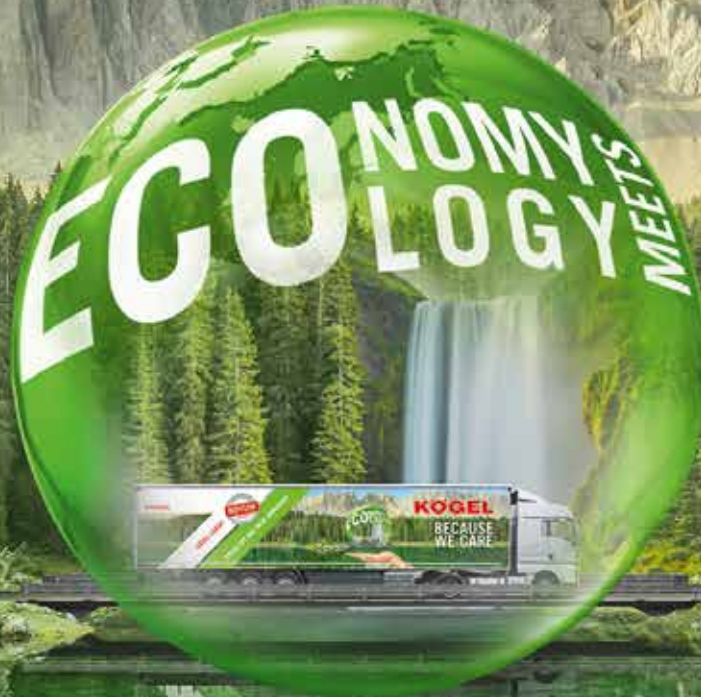


KÖGEL

NOVUM: LIGHT & STRONG



KÖGEL TARPAULIN TRAILERS



PASSIONEERING FOR OUR CUSTOMERS

What could be more exciting than the transport sector? The future of the transport sector! Based on experience, we believe that profitability needs to be rethought again and again in order to be optimised. That's why we dedicate all our passion and energy to doing so. The competitive pressure on you, our customer, is constantly growing. We want to take some of this pressure off. Our commitment goes beyond the daily transport of goods with our innovative trailers. A close, collaborative partnership with you is the source of all innovation. Only then can we quickly identify your changing needs and requirements – and get the right solutions on the road. That's where German engineering comes in, which we have loyally practised for over 80 years. This includes our commitment to uncompromising quality and our dedicated, professional team.

From practice to theory, to the plan and back into practice. Passioneeering never stops! All your challenges feed directly into the development of our trailers. 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. And only then can we be sure that you too, our discerning customer, are satisfied with our trailers. 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. And we have dedicated all our passion and energy to it!

Find out more about passioneeering 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
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PROFITABILITY RE-EXAMINED

Reinforced body

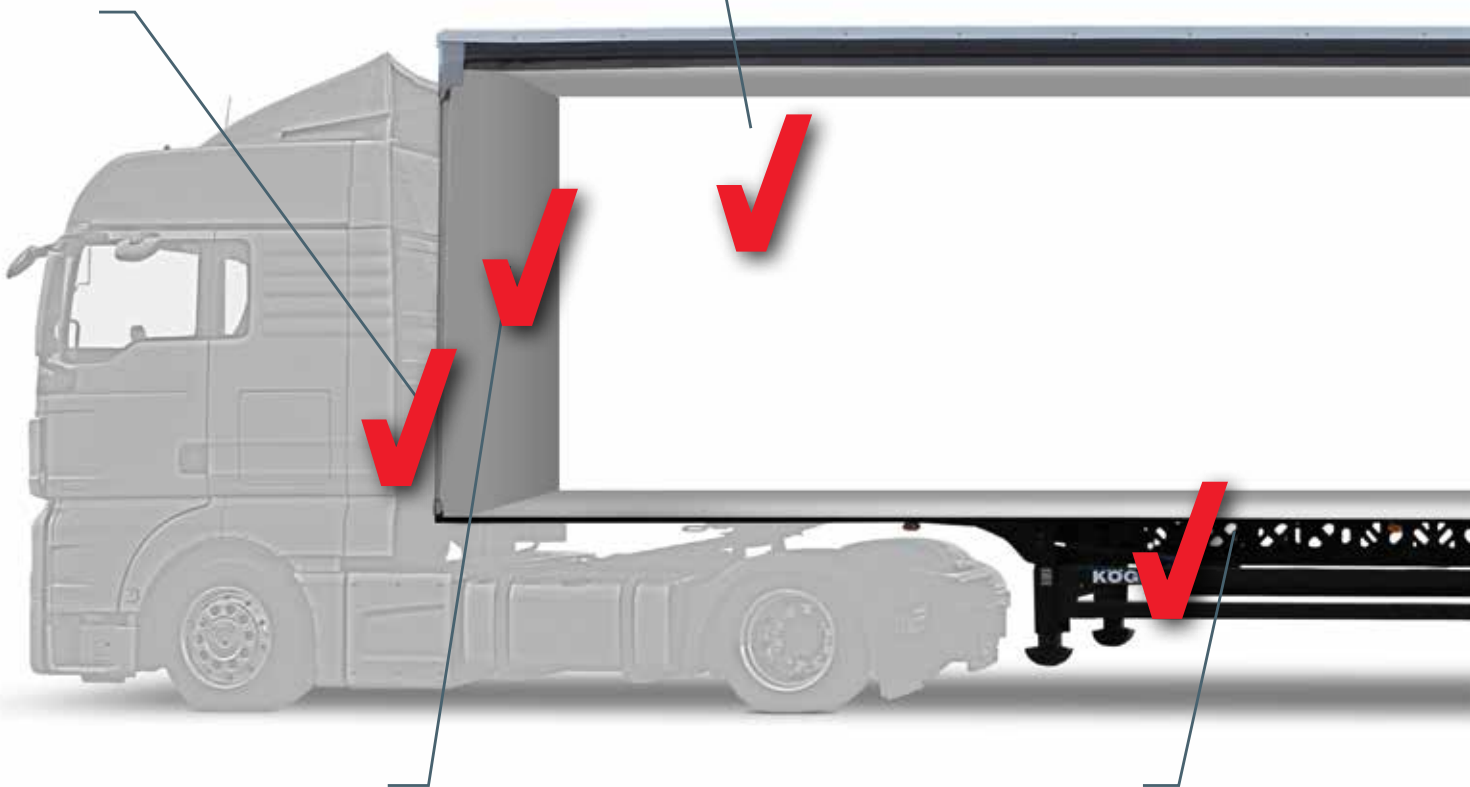
The air and light panel on the front wall transmits the force to which the body is exposed during driving directly into the frame via the side member. This provides support for the front wall to the front and extends the service life of the body.

Identical lattice length

Equally sized stake sections ensure flexible use of the lattices.

Diversity

All versions of the Kögel platform trailers Cargo, Mega, FlexiUse and LightPlus are available in the NOVUM generation. ✓



Secure loading process

Complete mounting surface for safe and simple loading and unloading from the side. The lattice mounts can be customised at any time.



Frame

Sturdy, torsion-resistant welded ladder-type frame with full-width cross beams for high payloads and concentrated loads.



Strong & Go body

Optional equipment, reinforced roof and side tarpaulin with integrated restraint system, and load securing are also possible for beverage transport and Daimler guideline 9.5 without lattices.



User-friendliness

Thanks to levering aid when opening the tarpaulins: the "cake slicer effect".

Door locks

Quick and easy to open with one hand.

Durability

A new, 40 mm narrower and stronger end plate at the rear provides even more stability.

Optimised external frame

Improved access as the VarioFix steel perforated external frame is relocated to the inside and easy load securing thanks to optimised lashing angle.

Easy handling

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

KÖGEL CARGO

**SOLID IS THE NEW INNOVATIVE.
BECAUSE WE CARE!**



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 versions and could therefore be the tailor-made answer for you.

Features:

- ✓ **outstanding reliability**
- ✓ **high payload**
- ✓ **optimal industry equipment**

Our solution for your industry:

Coil | Paper | Ferry | Beverages | Automotive | Rail/Coil Rail | Tyre Transport | Octabin Transport | Steel Transport | Oversized Cargo

With and without drop sides



FlexiUse body



Customs seal

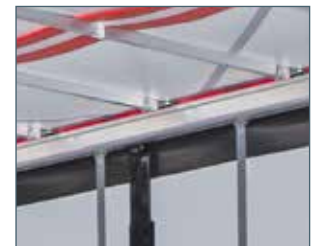


Normal use or customs sealed for trans-border transport in third countries

Frame neck 90 mm and 120 mm



With and without lifting roof

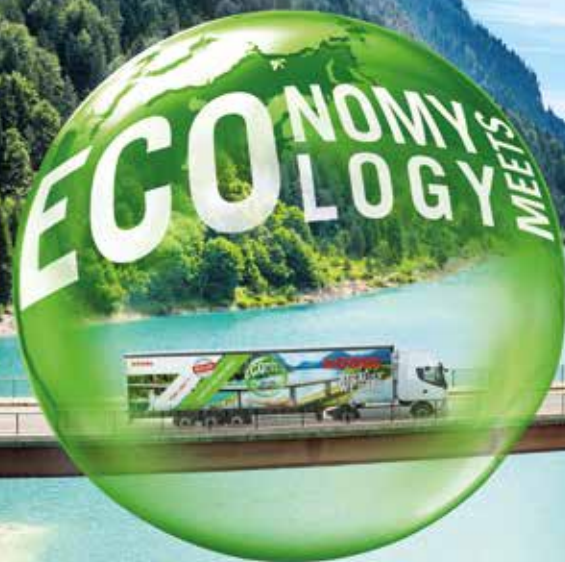


Increased side loading height for loading from the side, at the same time loading area width up to the underside of the roof thanks to 163 mm L roof strap profile

103 mm roof strap

KÖGEL LIGHT^{PLUS}

**LIGHTWEIGHT IS THE NEW BIG.
BECAUSE WE CARE!**



Minus and minus equals plus – even at Kögel. The reduction of the frame neck height and a weight-optimised frame result in the Kögel Light^{plus}. During development, the focus was on reduction of the basic weight and, at the same time, high levels of stability and durability. Thanks to the modular construction, many of the equipment versions of the Cargo are also available for the Light^{plus}.

Features:

- ✓ **maximum payload***
- ✓ **tested stability**
- ✓ **proven fuel savings***

Our solution for your industry:

Coil | Paper | Beverages

With and without drop sides



FlexiUse body



With and without lifting roof



Frame neck 90 mm and 120 mm

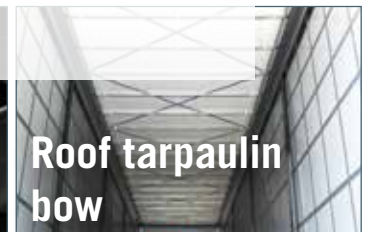
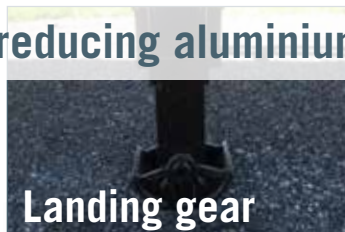
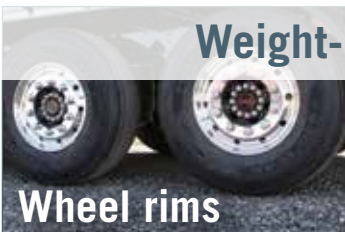


Increased side loading height for loading from the side, at the same time loading area width up to the underside of the roof thanks to 163 mm L roof strap profile

103 mm roof strap height

Tare weight from 4,840 kg

Weight-reducing aluminium equipment



KÖGEL MEGA

**LARGE IS THE NEW SUSTAINABLE.
BECAUSE WE CARE!**



In addition to stability and durability with a low basic weight, the focus of 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 enable the maximum volume in the body. This makes the Kögel Mega a popular partner for automotive transport.

Features:

- ✓ **maximum load volume**
- ✓ **high durability**
- ✓ **individual industry solutions**

Our solution for your industry:

Coil | Ferry | Rail | Paper

With and without drop sides



Lifting roof and height-adjustable body



90 and 55 mm frame neck

3 metre internal height and 4 m overall height thanks to reduced frame neck

Customs seal



Normal use or customs sealed for trans-border transport in third countries

Mega Light Plus



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.

KÖGEL FLEXIUSE

**FLEXIBLE IS THE NEW EFFICIENT.
BECAUSE WE CARE!**



The Kögel FlexiUse – the name says it all. Tractors with different fifth wheel heights can be covered thanks to a special bogie. At the same time, the FlexiUse can be adapted to these fifth wheel heights by means of the height-adjustable body in order to comply with the permissible overall heights. The trailer is therefore not just able to handle more tasks, it also saves forwarding companies time and money.

Features:

- ✓ **maximum flexibility**
- ✓ **user-friendliness**
- ✓ **high reliability**

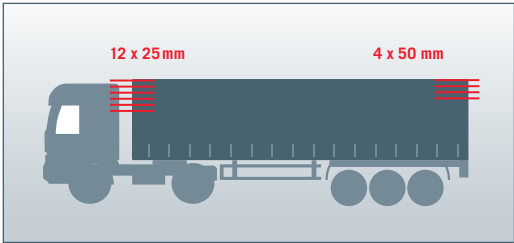
Our solution for your industry:

Paper | Beverages | Automotive | Octabin Transport

With and without drop sides



Height-adjustable body

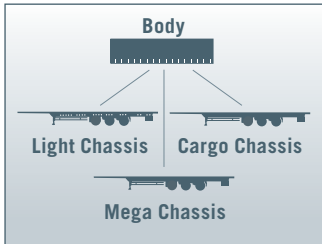


Tractor units with semi-trailer heights of 990 to 1,180 mm (unloaded)



Connections for two driving heights

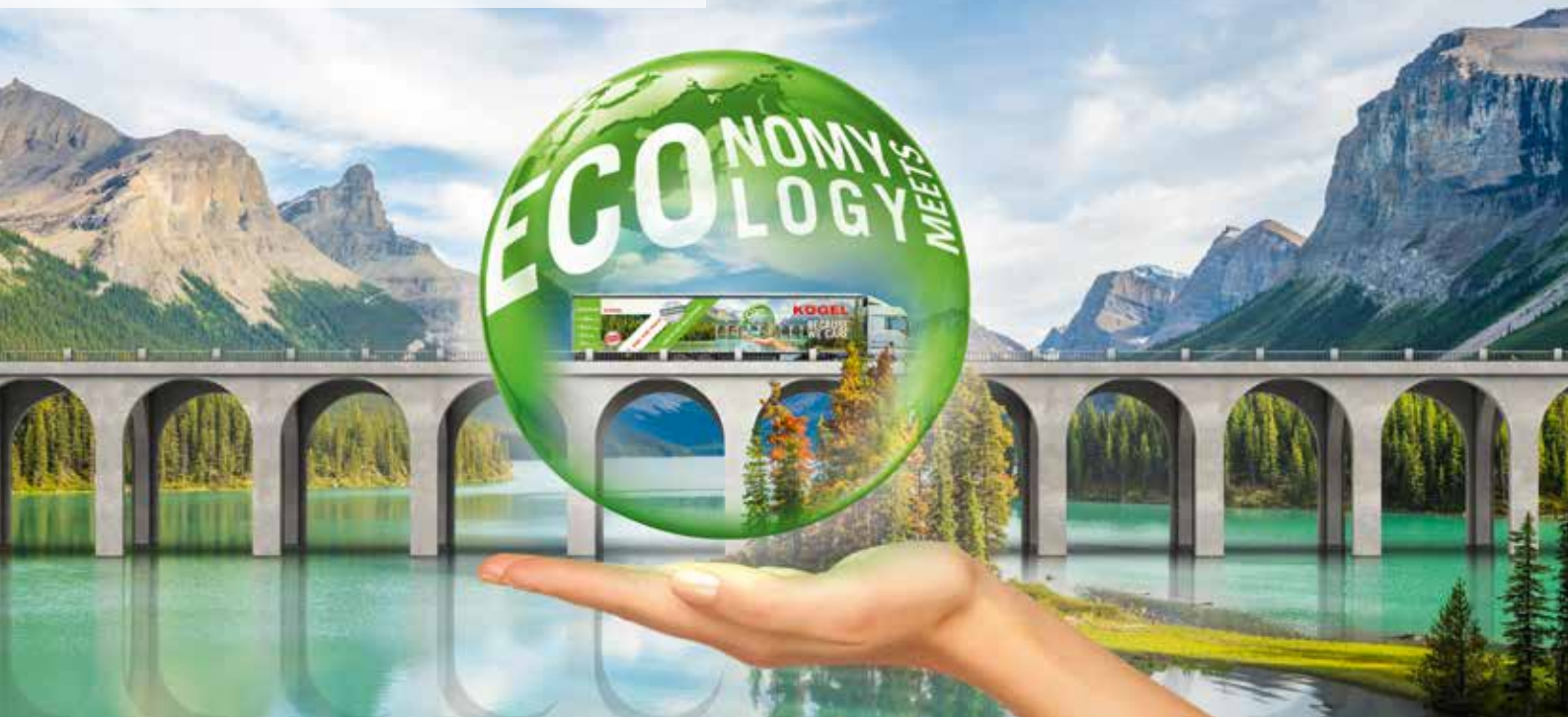
FlexiUse body



Available for Cargo, Mega and Light^{plus}

KÖGEL EURO TRAILER

**LONG IS THE NEW EFFICIENT.
BECAUSE WE CARE!**



The “extended version” of the Kögel Euro semi-trailer offers up to ten per cent more volume to meet growing demand in the industry and ever-increasing transport volumes in Europe. It is 1.38 metres longer than the standard semi-trailer and therefore offers a clear maximum loading length of up to 15 metres, which is equivalent to 37 Euro pallets on the loading level.

Features:

- ✓ additional 1.38 metres loading length
- ✓ 10 % reduced CO₂ emissions*
- ✓ up to 111 cubic metres of loading volume

Our solution for your industry:

Beverages | Automotive | Tyre transport

With and without drop sides



With a lifting roof as standard

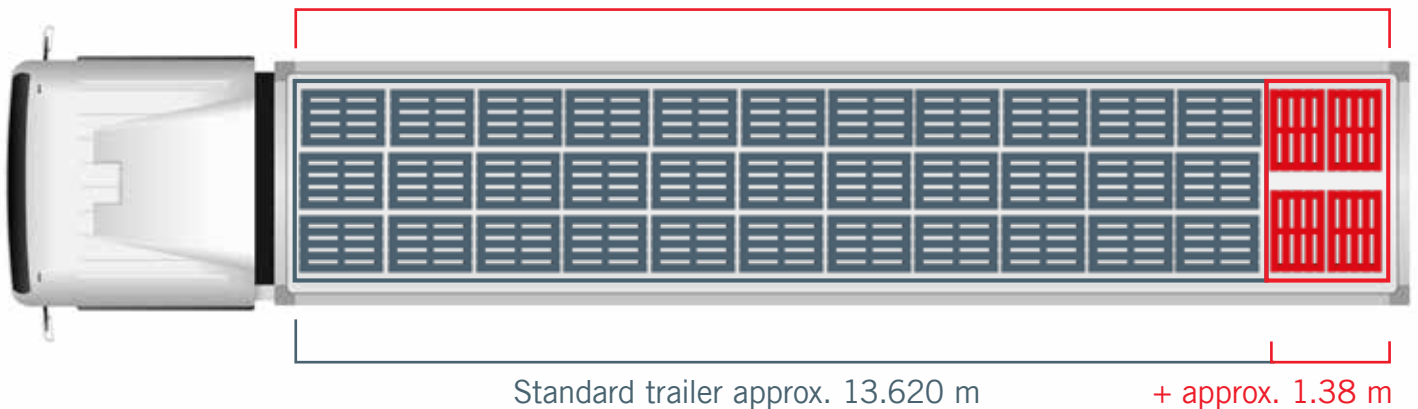


Increased side loading height for loading from the side, at the same time loading area width up to the underside of the roof thanks to 163 mm L roof strap profile



SAMPLE LOAD IN KÖGEL MEGA RAIL EURO TRAILER

Kögel Euro Trailer approx. 15.00 m



... available as Cargo and Mega.

COIL TRANSPORT



Available ...



... for Kögel Cargo Even in rail design

Max. line load: 30 to
Evenly distributed over 1.5 m
Above payload centre of gravity



... for Kögel Mega

Max. line load: 25 to
Evenly distributed over 2 m
Above payload centre of gravity

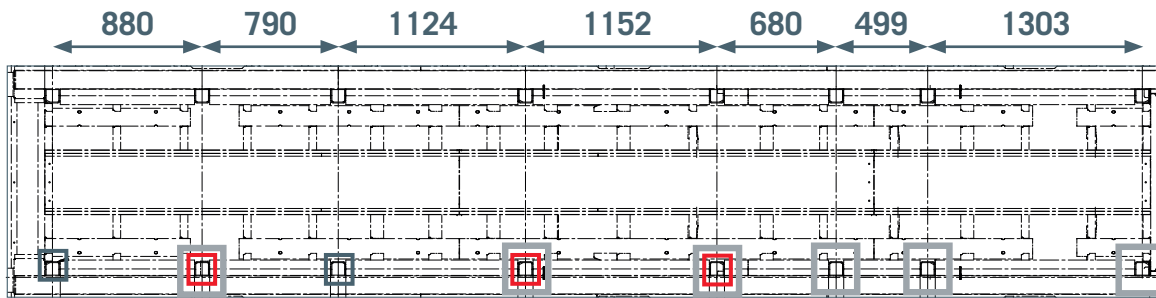


... for Kögel Light^{plus}

Max. line load: 27 to
Evenly distributed over 1.5 m
Above payload centre of gravity

TECHNICAL DATA OF BASIC VERSION

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

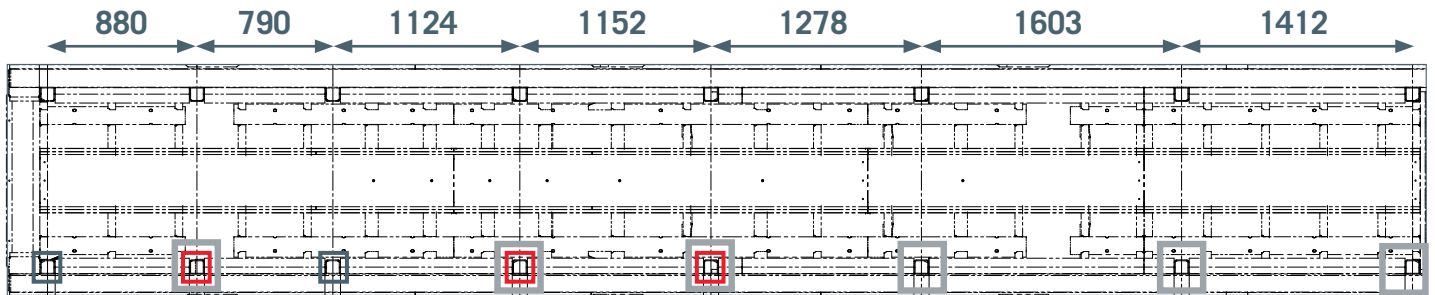


STANDARD

THREE PAIRS OF STAKE POCKETS ADDITIONALLY

SIX PAIRS OF STAKE POCKETS ADDITIONALLY

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



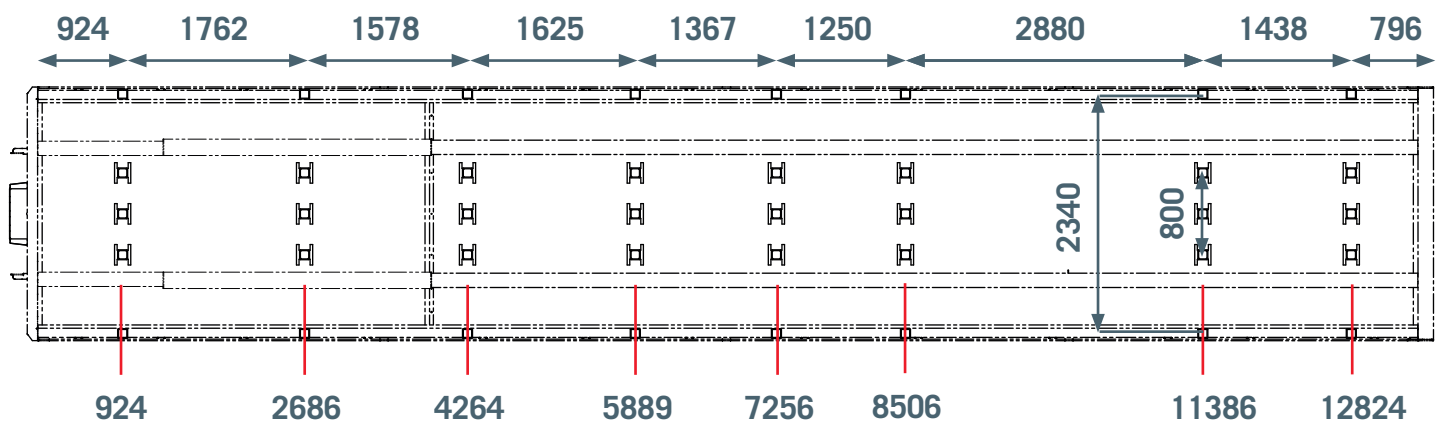
STANDARD

THREE PAIRS OF STAKE POCKETS ADDITIONALLY

SIX PAIRS OF STAKE POCKETS ADDITIONALLY

STEEL TRANSPORT

Technical data of basic version



↔ Distance between the stake pockets

| Distance from front wall to the stake pockets



Eight stake pocket rails: maximum variability

Storage for square pipe stakes



16x storage



8x storage



Bearing for eight side stakes



Bearing for side lattices

MULTI BODY

**VERSATILE IS THE NEW READY-TO-GO.
BECAUSE WE CARE!**



The Kögel Multi is the solution for transporting building materials and weather-resistant freight. The chassis of different types of trailers – Kögel Cargo, Mega, Coil and Light – serves as the basis and is supplemented by a body consisting of a front wall, drop sides and a back wall. The Multi is thus available in a variety of different versions.

Features:

- ✓ flexible use
- ✓ many different versions
- ✓ versatile load-securing

Our solution for your industry:

Building Materials | Coil | Oversize | Container Transport

Small door in the rear wall



Drop sides, divided by 3/4



Storage box for drop sides divided by 4



Front walls made of steel or aluminium in various heights

FASTSLIDER



Kögel FastSlider is an easy and quick to open and close sliding tarpaulin system that has been developed to simplify daily life. Available on both sides or on the left in the direction of travel, the FastSlider can be adapted to a wide range of logistical challenges, such as automotive, beverage or pallet transport.

Available ...



... for Kögel Cargo



... for Kögel Mega



... for Kögel Light^{plus}



Top guide rail integrated in the roof strap



Quick-opening lever at the front

For quick opening and closing of the tarpaulin



Different equipment for Kögel Mega
Ratchet at the front in place of a quick-opening lever



Tension straps at the side



Telescopic micro-stakes



Lower guide rail
Solid Nirosta rail bolted to the external frame

BEVERAGE TRANSPORT



Available ...



... for Kögel Cargo



... for Kögel Mega



... for Kögel Light^{plus}

LOAD WIDTH 2,400 MM

Standard body



Single-level beverage transport with two rows of lattices
Twin-level beverage transport with three rows of lattices



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

STRONG & GO BODY



Single-level and twin-level beverage transport possible without lattices thanks to integrated restraint system in the tarpaulin.

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



BEVERAGE INDUSTRY



In the beverage industry, cargo is transported first and foremost using standardised boxes placed on Euro pallets. The following Kögel load-securing elements are used for additional load-securing in the floor area, on the one hand, or for partial loading and narrow cargo on the other:

..... Standard body



– Standard body according to EN 12642 XL

..... Aluminium lattices



For a cargo width of at least 2,400 mm.

TWIN-LEVEL TRANSPORTATION OF EMPTIES AND BARREL GOODS



Twin-level transport of empties is possible too.



The standard Kögel trailer transports barrel goods safely.

SPECIAL SOLUTIONS

For crates positioned on spring pallets (cargo width between 2,200 and 2,400 mm), other load-securing solutions have been developed:



- At least three rows of aluminium reversible slats are used for lateral load-securing
- The reversible slats can be inserted in the standard stake pockets



Securing of partial loads with reversible slats: The slats can be combined with the lateral load-securing rails.

AUTOMOTIVE



In most cases, automotive transport involves pallet cages and small-sized carriers, but sometimes special transport frames and even large frame components. As ever, the industry standard for this type of transport is Daimler Guideline 9.5.

Available ...



... for Kögel Cargo



... for Kögel Mega

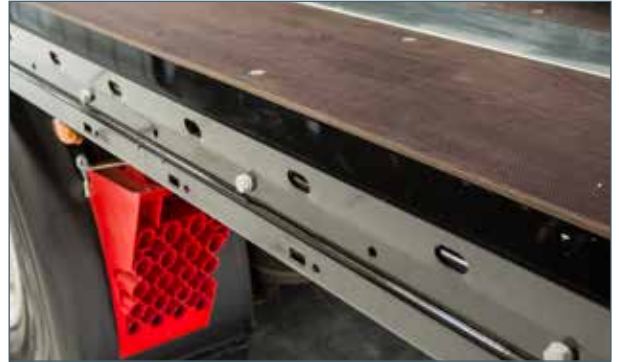


... for Kögel Light^{plus}

Daimler RL 9.5 equipment



Tarpaulin 24 tensioner



Pallet stop

Standard body



Two rows of lattices

Strong & Go body



Without lattices



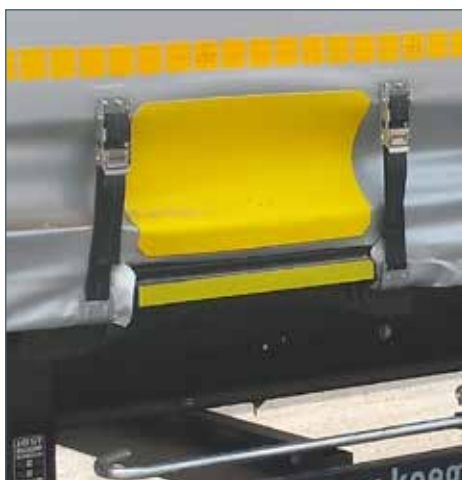
The use of lattices is stipulated in Daimler Directive 9.5 for the transport of small-sized carriers.

RAIL



What rail design for semi-trailers means in simple terms: A semi-trailer is loaded onto a railway wagon with a crane. The trailer needs to be specially equipped for this purpose:

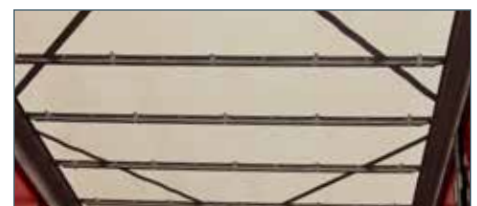
Equipment



Grab edges



Axles in rail version



Side tarpaulin and roof tarpaulin in rail version

Available for ...



... Kögel Mega



... Coil Rail



... Cargo Rail

Pocket wagons have a different structure. This means that not all semi-trailers are suitable for any type of pocket wagon.

Designed for loading on pocket wagon type “e l f l g l i”

Designed for loading on pocket wagon type “c l d l e l f l g l h l i”

Designed for loading on pocket wagon type “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

Also available with 90 mm frame neck – the perfect combination with 385/55 R22.5 tyres

RORO



RoRo transport refers to the use of trailers on ferries. The trailers themselves are secured as a load on the ferry.

In RoRo transport, we differentiate between two types:

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

Available ...



... Kögel Cargo

RoRo accompanied
RoRo unaccompanied
RoRo Strong unaccompanied



... Kögel Mega

RoRo accompanied
RoRo unaccompanied
RoRo Strong unaccompanied



... Kögel Light^{plus}

RoRo accompanied

RORO EQUIPMENT



Four pairs of heavy-duty lashings



RoRo accompanied



RoRo unaccompanied



RoRo Strong unaccompanied

PAPER TRANSPORT



Paper transport is one of the biggest challenges in the business. Paper rolls are not only heavy, but also prone to damage from moisture and mechanical loads.

Kögel NOVUM generation trailers feature excellent body sealing in addition to the correct load-securing thanks to special solutions for paper transport.

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 are embedded in the floor.

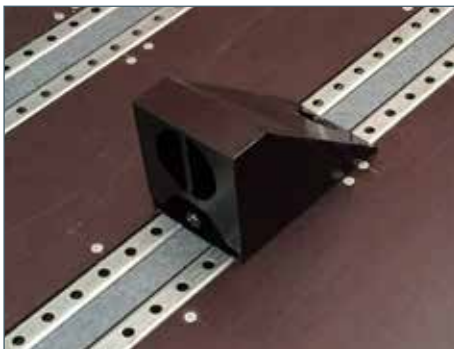


Aluminium rails



Steel rails

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



Wedge in rail longitudinally



Wedge in rail laterally



Adapter plate



Wedge with adapter plate

STORAGE BOXES AND OTHER MEANS OF STORAGE

Pallet storage box



Pallet storage boxes for 24, 30 and 32 Euro pallets



Pallet storage box for eight Euro pallets

Toolboxes



Large toolbox dimensions (interior)
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 two spare wheels



Winch for one spare wheel

THE KÖGEL QUALITY PROMISE



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

All Kögel trailers are equipped with a reinforced underride guard, which significantly increases passive safety in road transport and conforms to EU Directive UN/ECE-R 58.

Light carrier

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



Corrosion protection

Nano-ceramic and cathodic dip-paint 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 achieves 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 range of services at any time, 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 inspected to the highest standards during static and dynamic tests.



Frame construction

The stable, torsion-resistant, welded ladder-type frame with full-width cross beams for high payloads and concentrated loads forms the backbone of the Kögel NOVUM trailer generation, guaranteeing a long service life.



Environmental protection and sustainability

Kögel trailers make an active contribution to reducing fuel consumption and environmental pollution: The aerodynamics are optimised, structural 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 arising from the driving dynamics in accordance with VDI 2700.





KÖGEL

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