

KÖGEL

NOVUM: LIGHT & STRONG

KÖGEL BOX TRAILERS



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 they 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, at least for a while. Because then we can be sure that our most discerning customers are satisfied as well. 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

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BETTER PROTECTED WITH SAFETY

KÖGEL BOX



The Kögel Box: The trailer for logistics companies who value versatile use, a high payload, and transport security. Depending on how it is equipped, you can use this dry freight trailer to transport goods which are sometimes temperature sensitive, such as electronics, furniture, preserves, clothing, and much more.

IMPRESSIVE BENEFITS ...

AVAILABLE AS ...

..... reliable protection



..... low weight



..... 2 and 3 axles



..... Mega



Side walls



Plywood side walls with GRP covering layer, 20 mm thick



PurFerro sandwich panels: Steel covering layer with PUR foam core, 30 mm thick

Roof



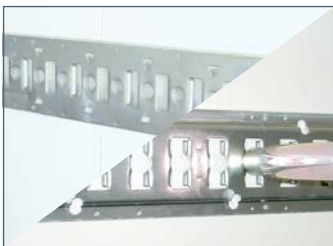
Light strip roof made of aluminium cross slats covered with light transmissive GRP panels



PurFerro Sandwich panels: Steel covering layer with PUR foam core



Load-securing



Anchor rail for optimum load-securing over the entire load length



Multi-layer loading variable for 33 Euro pallets incl. 22 loading bars

Portal



Portal doors



Space-saving roll-up door for faster loading by ramp

YOUR PLUS – A WIDE RANGE OF VARIANTS ✓



PLYWOOD SIDE WALLS AND LIGHT STRIP ROOF

- ✓ Robust multi-layered composite panel (approx. 20 mm thick) with a smooth surface making it easy to clean
- ✓ Light transmissive GRP element with cross slats
- ✓ Anchor rails throughout (optional)
- ✓ Keyhole panel (optional)

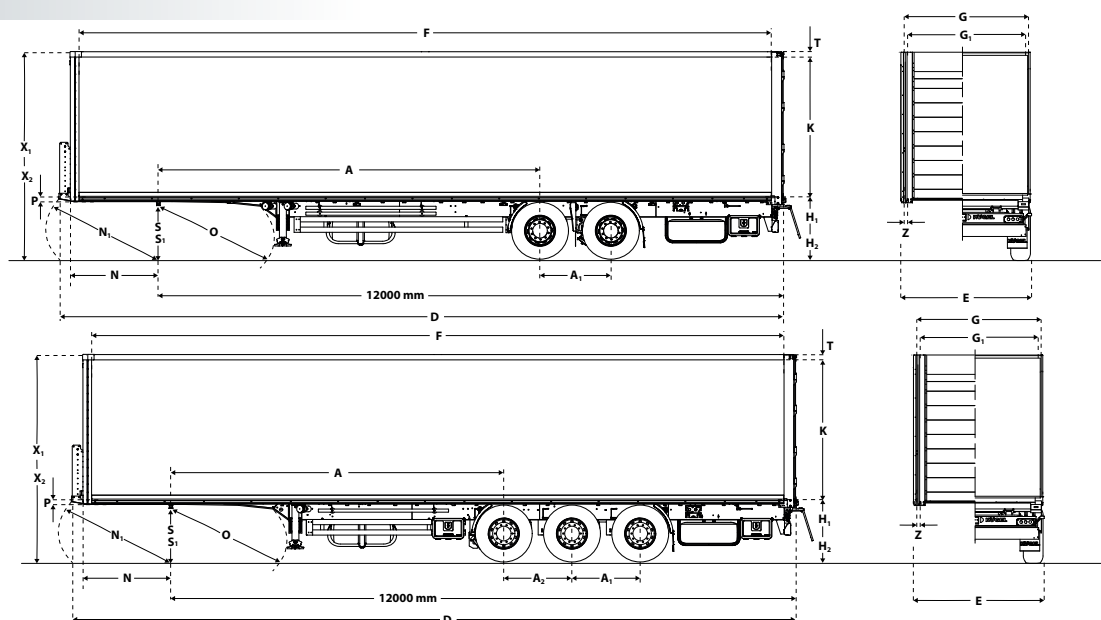
ISO SIDE WALLS AND ISO ROOF

- ✓ Lightly insulated **for temperature sensitive goods**
- ✓ Insulated side walls approx. 30 mm thick
- ✓ Insulated roof with PUR foamcore and steel covering layer
- ✓ Fully recessed anchor rails throughout (optional)
- ✓ Multi-level rails for double-layer loading (optional)
- ✓ Heated ventilation (optional)
- ✓ Kögel in-house development and production of panels



KÖGEL BOX BASIC VERSION

TECHNICAL DATA



	Kögel Box 3-axles	Kögel Box 2-axles	Kögel Mega Box 3-axles	Kögel Mega Box 2-axles
Technically feasible fifth wheel load:	12,000 kg	12,000 kg	12,000 kg	12,000 kg
Technically feasible axle load:	27,000 kg (9,000 kg per axle)	18,000 kg (9,000 kg per axle)	27,000 kg (9,000 kg per axle)	18,000 kg (9,000 kg per axle)
Technically feasible gross weight:	39,000 kg	30,000 kg	39,000 kg	30,000 kg
Tare weight basic version:	6,800 kg	6,100 kg	7,350 kg	6,700 kg
Floor load-bearing capacity according to DIN EN 283 with test axle load:	7,200 kg	7,200 kg	7,200 kg	7,200 kg

(A)	Wheelbase:	6,390 mm	7,320 mm	6,390 mm	7,345 mm
(A1)	Distance between axles:	1,310 mm	1,360 mm	1,310 mm	1,310 mm
(A2)	Distance between axles:	1,310 mm	1,360 mm	1,310 mm	1,310 mm
(D)	Total length:	13,950 mm	13,950 mm	13,950 mm	13,950 mm
(E)	Total width:	2,550 mm	2,550 mm	2,550 mm	2,550 mm
(F)	Clear loading platform length:	13,620 mm	13,620 mm	13,620 mm	13,620 mm
(K)	Clear height below roof:	2,730 mm	2,730 mm	2,930 mm	2,930 mm
(N)	Front overhang				
	(according to ISO 1726):	1,685 mm	1,685 mm	1,685 mm	1,685 mm
(N1)	Front overhang radius				
	(according to ISO 1726):	2,040 mm	2,040 mm	2,040 mm	2,040 mm
(O)	Slew radius to rear				
	(according to ISO 1726):	2,380 mm	2,380 mm	2,300 mm	2,300 mm
(P)	Overall height above the fifth wheel:	90 mm	90 mm	90 mm	90 mm

		Plywood side walls	ISO side walls
(G)	Clear width of loading platform:	2,500 mm	2,480 mm
(G1)	Loading platform width between protective bumpers:	2,490 mm	2,470 mm

More weight: Trailer with ISO side walls + roof: 150 kg

All dimensions stated are approximate

MORE STABILITY THROUGH ICE-COLD CALCULATION

KÖGEL COOL - PURFERRO QUALITY



More demanding life-styles and the desire for fresh food on a daily basis have led to a significant growth in the market for both fresh products and frozen foods during the last few years. In order to fully meet the requirements this development has brought about, the transportation logistics industry is faced with a number of challenges: Flexible, durable, yet lightweight refrigerated vehicles which have been adapted to suit special market requirements are in great demand.

IMPRESSIVE BENEFITS ...

AVAILABLE WITH A ...

..... perfect insulation



..... low weight



..... 45 mm side wall



..... 60 mm side wall



Side wall



Best insulation with the Kögel PurFerro quality from our in-house competence centre

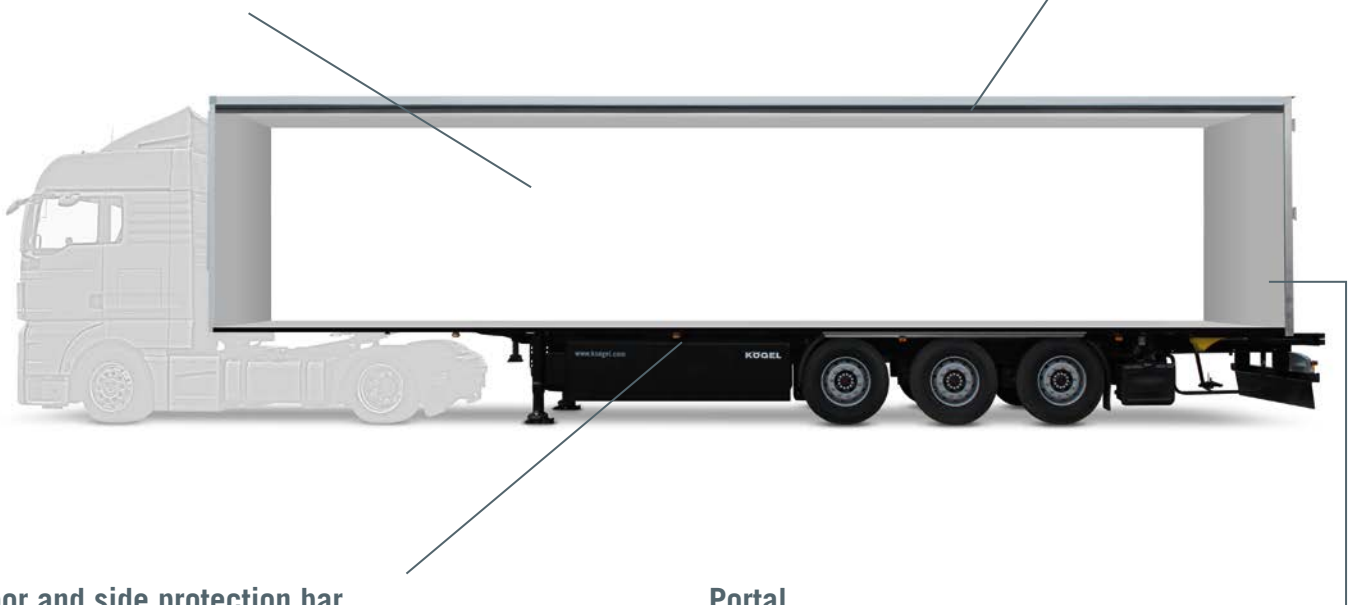
Roof



85 millimetre thick sandwich element with insulating core



Five interior LED lights with switch outside the body at the front on the left-hand side



Floor and side protection bar



High friction value for safety and optimum load-securing



Optimum hygiene and cleaning characteristics

Portal



Optimised four-fold lip seal on door to provide secure seal and reduce energy consumption



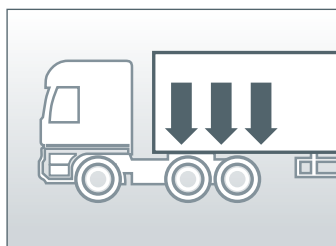
Stainless steel portal with rotating rods and hinges which are easy to replace

YOUR PLUS – CUSTOMISATION ✓

With its wide range of different options, the Kögel Cool – PurFerro quality reflects decades of experience and intensive Engineering skills, thus offering everything required of the most discerning market for temperature logistics.

COUNTRY-SPECIFIC EQUIPMENT

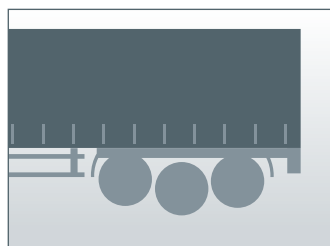
..... 15 t fifth-wheel load



..... steering axle



..... axle lift for
1st + 3rd axle



PROTECTIVE BUMPER RAIL VERSIONS



OPTIMALLY PROTECTED GOODS



SAFE TRANSPORT OF GOODS THROUGH ...

..... air duct (Climatex) multi-layer loading anchor rails impact protection wall



- The elongated, wider air duct ensures that the cooling air is guided and distributed even better throughout the interior



- Transport volume increased by 33 Euro pallets thanks to second loading level
- Fully recessed multi-layer rails to make it easy to clean the refrigerated semi-trailer
- Simple to adjust the height of loading bars for varying pallet heights



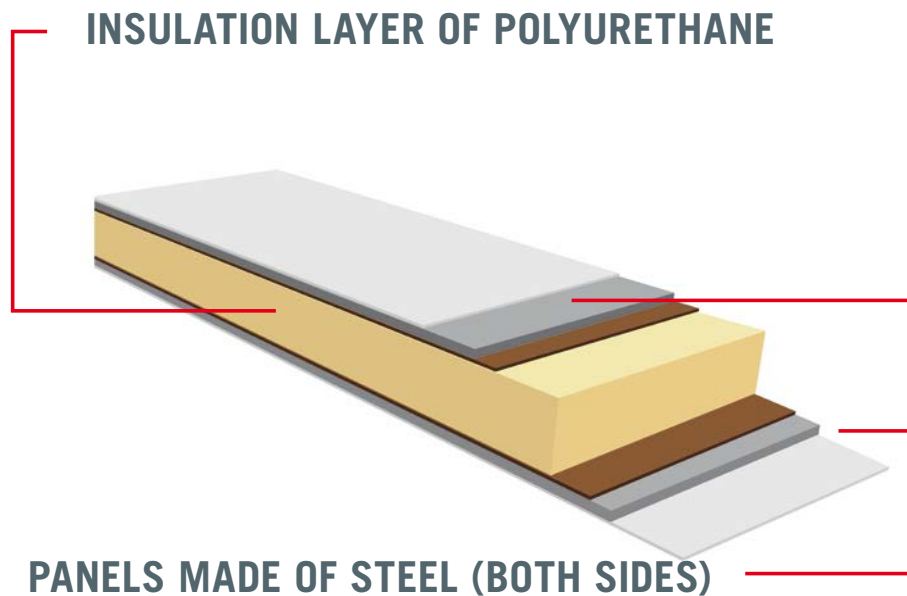
- The completely recessed anchor rail offers optimum load-securing through the complete load length



- Optimum protection of front wall and evaporator
- Designed to be easy to remove with aluminium V-shaped lattices

BEST INSULATION - PURFERRO QUALITY

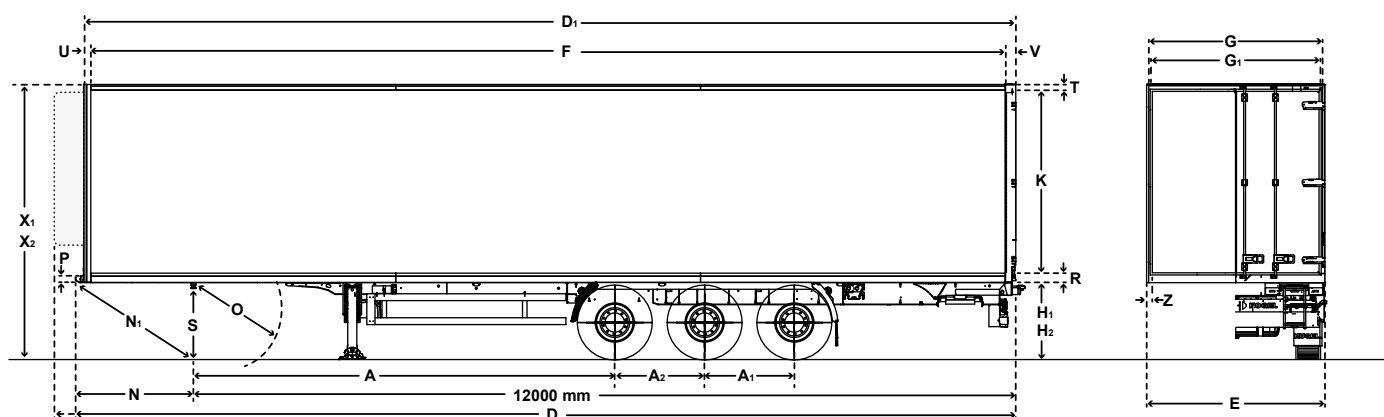
SIDE WALLS OF SANDWICH PANELS



- Side wall of sandwich element with insulated core (100 % CFC-free)
- Covering layer made of 0.6 millimetre sheet steel end-coated and inside made of 0.6 millimetre sheet steel with hard PVC film coating
- Smooth and food-compatible surface guarantees easy cleaning
- Total wall thickness:
approx. 60 mm with type SVT frozen or
approx. 45 mm with type SVA general purpose

KÖGEL COOL BASIC VERSION

TECHNICAL DATA



Technically feasible fifth wheel load:	15,000 kg
Technically feasible axle load:	27,000 kg (9,000 kg per axle)
Technically feasible gross weight:	42,000 kg
Floor load-bearing capacity according to EN 283, test axle load:	7,200 kg

(A)	Wheelbase:	6,150 mm
(A1)	Distance between axles:	1,310 mm
(A2)	Distance between axles:	1,310 mm
(D)	Total length:	13,730 mm
(D1)	Body length:	13,600 mm
(E)	Total width:	2,600 mm
(F)	Clear loading platform length:	13,325 mm
(K)	Clear height below roof:	2,650 mm
(N)	Front overhang (according to ISO 1726):	1,730 mm
(N1)	Front overhang radius (according to ISO 1726):	2,040 mm
(O)	Slew radius to rear (according to ISO 1726):	2,300 mm

	SVT 60 mm side walls	SVA 40 mm side walls
(G)	Clear width of loading platform:	2,470 mm
(G1)	Clear loading platform width between protective bumpers: approx.	2,460 mm
	Tare weight basic version:	7,450 kg
		7,150 kg

All dimensions stated are approximate

YOUR PLUS – QUALITY ✓

Kögel Assistance 24h Hotline
00800 8285 88-88



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.



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.



Electronic system and lighting

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



Extensive tests

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



Underride guard

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



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.

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.



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 CLIMATEX –

the Kögel cool air distribution system



Kögel COILFIX –

the Kögel load-securing system for coils and split strips



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

PRECISELY THE RIGHT TRAILER FOR YOU

YOUR INDUSTRY – OUR SOLUTION

KÖGEL BOX – THE TRANSPORT SOLUTION FOR ...



- ✓ Temperature-sensitive and insensitive goods
- ✓ Rail
- ✓ Ferry / RoRo



- ✓✓ Electronics
- ✓✓ Safety transports
- ✓✓ Furniture



- ✓✓ Clothing transport
- ✓✓ Preserves
- ✓✓ Paper

KÖGEL COOL – PURFERRO QUALITY – THE TRANSPORT SOLUTION FOR ...



- ✓ Frozen and fresh food services
- ✓ Ferry / RoRo



- ✓✓ Medical products
- ✓✓ Safety transports



- ✓ Plants

KÖGEL

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