

KÖGEL

Kögel Flatbed Trailer



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.

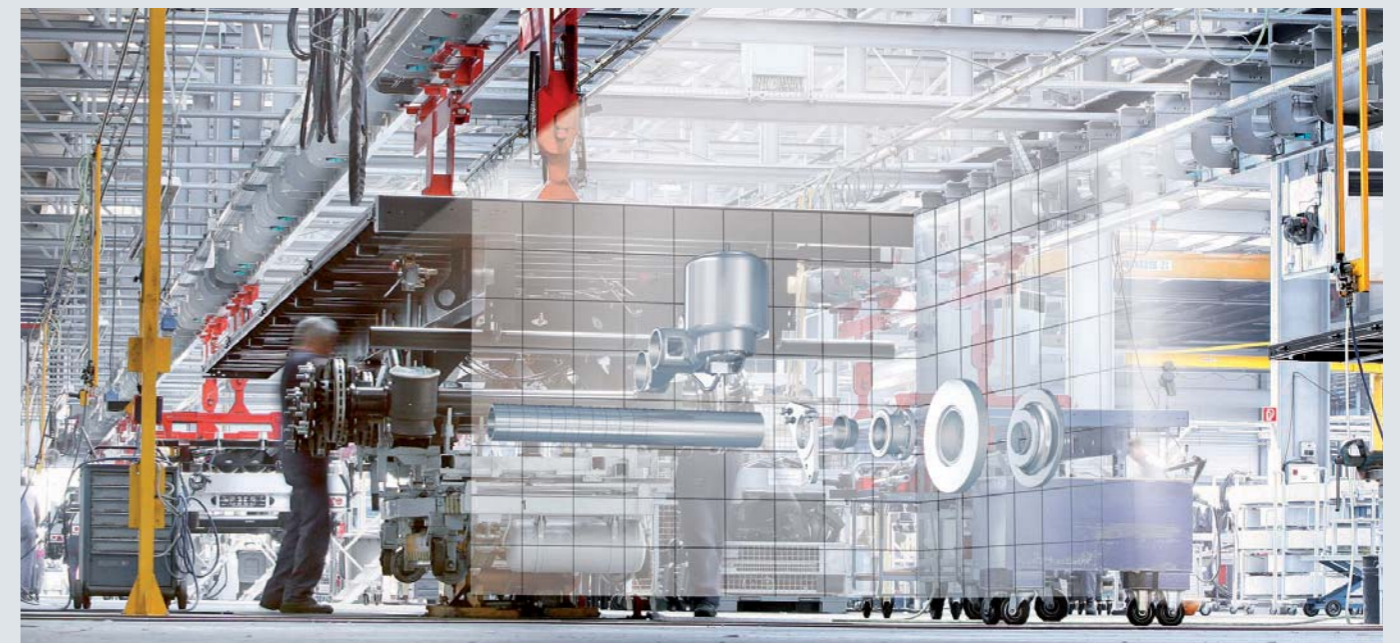
A special feature at Kögel is the close collaboration with the customer throughout all phases of development to be able to always keep the practical requirements in mind and to gather the important impulses from the marketplace: Approaches to solutions are discussed with customers, prototypes are tested 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.

Why so much talk about the art of engineering?	3
Kögel Flatbed turntable trailer 3-axle, offset	4
Kögel Flatbed turntable trailer 3-axle, straight	6
Kögel Flatbed turntable trailer, 4-axle	8
Kögel Quality Characteristics	10
Kögel Industry Solutions	11
Kögel Product Ranges	12



Kögel Flatbed turntable trailer 3-axle, offset



Kögel Flatbed turntable trailer 3-axle – with offset plateau

Kögel offers several Flatbed turntable trailers for transporting excavators, construction machines and heavy equipment, such as the offset 3-axle trailer in the standard proven welded construction. High-strength fine-grained steel and full-width IPE cross beams guarantee extremely stable main frame and external frame. The manually lowerable, air-suspended rear axle assembly ensures enhanced drive-up convenience. The standard bevelled edge at the rear represents a further advantage that leads to a lower loading height and a flat drive-up angle of 10°. The offset plateau is particularly suitable for the transport of construction machines, wheeled loaders etc., which have additional secure location as a result of the offset.



Coating

Hot-dip galvanised, optionally with direct coating of visible galvanised surfaces, or with conventional sand-blasting, priming and coating.

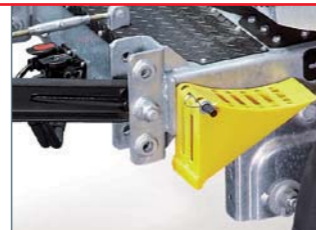


Brake system

- Brake system in accordance with EBS 4S/3M and spring accumulator parking brake
- Connecting hoses with non-interchangeable coupling heads

Axle unit

- Branded flatbed axles with ten tonnes axle weight
- Air suspension unit with manual lowering at rear



Bogie and towing gear

- Steel profiles in proven welded construction with low-maintenance tapered slewing ring
- Drawbar, tilted with low-maintenance silent sleeves
- Height adjustment via mech. spring and three-level adjustable drawbar (+/-100 mm)



Weight

- Permissible total weight 24,000 kilograms
- Permissible total weight up to 30,000 kilograms for indivisible load with special authorisation in accordance with § 70 StVZO (German Road Traffic Licensing Regulations)



Chassis and frames

- Robust frame made of high-strength fine-grain steel
- Ideal load securing with standard lashing rings as well as lashing pockets in the outer frame
- Wheel cut-outs above the rear wheels
- Loading ramp at rear for safe loading and unloading



Load-securing features

- 3 pairs of lashing rings (10 tonnes) recessed in lower platform
- 2 pairs of lashing rings (10 tonnes) recessed in high platform
- 4 pairs of lashing points (3 tonnes) on outer frame



Wheel recess (optional)

- With cover and integrated locking mechanism
- Particularly suitable for transporting high construction machinery on tyres



Ramp

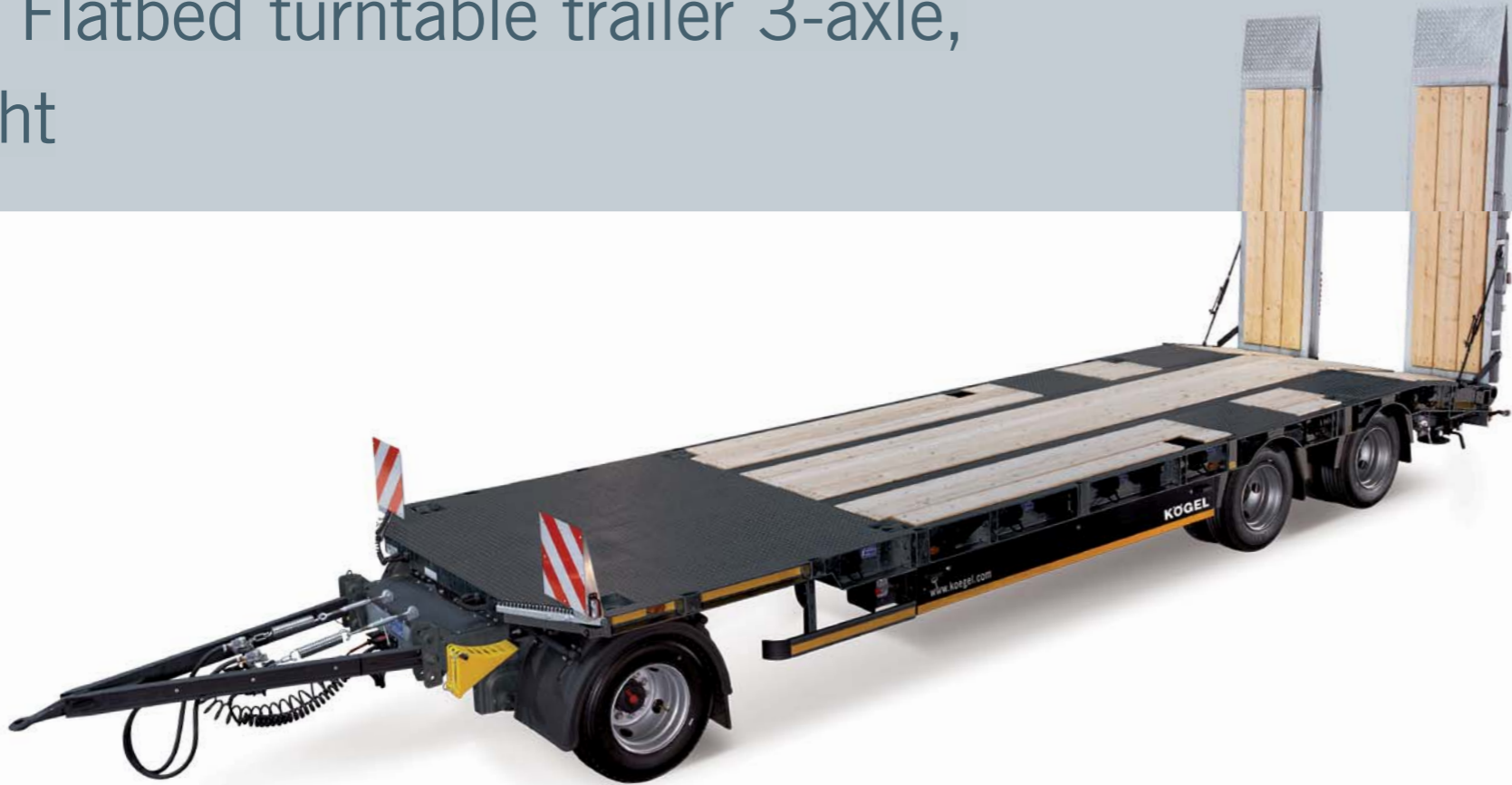
- One-piece ramps (length approx. 3,000 mm, width approx. 750 mm) with spring lifting mechanism, springs positioned vertically
- Ramp retainer rods with tension lock and holder, ramps hot-galvanised in heat bath
- Two-piece and hydraulic ramps available at extra cost

Kögel Industry Solutions Flatbed turntable trailer 3-axle

Construction machines	Building equipment	Containers	Raw materials	Boards and palletized goods
■	■	■	■	■

Illustrations may show optional extra equipment / The products are subject to continuous technical modifications

Kögel Flatbed turntable trailer 3-axle, straight



Kögel Flatbed turntable trailer, 3-axle with straight plateau

The 3-axle, flatbed, turntable trailer has optimum corrosion protection provided by its frame being hot-dip galvanised or with a cathodic dip painted coating with painted finish (in RAL colour on request). The frame with straight plateau is particularly suitable for the transport of long loads such as containers or shuttering.



Coating
Hot-dip galvanised, optionally with direct coating of visible galvanised surfaces, or with conventional sand-blasting, priming and coating.



Brake system

- Brake system in accordance with EBS 4S/3M and spring accumulator parking brake
- Connecting hoses with non-interchangeable coupling heads

Axle unit

- Branded flatbed axles with ten tonnes axle weight
- Air suspension unit with manual lowering at rear



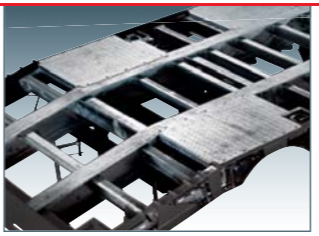
Bogie and towing gear

- Steel profiles in proven welded construction with low-maintenance tapered slewing ring
- Drawbar, tilted with low-maintenance silent sleeves
- Height adjustment with mech. spring and triple adjustable drawbar (+/- 100mm)



Weight

- Permissible total weight 24,000 kilograms
- Permissible total weight up to 40,000 kilograms for indivisible load with special authorisation in accordance with § 70 StVZO



Chassis and frames

- Robust frame made of high-strength fine-grain steel
- Ideal load securing with standard lashing rings as well as lashing pockets in the outer frame
- Wheel cut-outs above the rear wheels
- Loading ramp at rear for safe loading and unloading



Load-securing features

- 4 pairs of lashing rings (10 tonnes)
- 4 pairs of lashing points (3 tonnes) on outer frame



Flatbed

- Bridge floor of approx. 50 mm thick softwood
- Hardwood available at extra charge

Step

Steps are fitted to the external frame profile on both sides.



Ramp

- One-piece ramps (length approx. 3,000 mm, width approx. 750 mm) with spring lifting mechanism, springs positioned vertically
- Ramp retainer rods with tension lock and holder, ramps hot-galvanised in heat bath
- Two-piece and hydraulic ramps available at extra cost

Kögel Industry Solutions Flatbed turntable trailer 3-axle

Construction machines	Building equipment	Containers	Raw materials	Boards and palleted goods
■	■	■	■	■

Illustrations may show optional extra equipment / The products are subject to continuous technical modifications

Kögel Flatbed turntable trailer, 4-axle



Kögel Flatbed turntable trailer 4-axle – with offset plateau

The flatbed, turntable trailer range is completed with the offset, 4-axle model. Standard equipment includes high-grade components such as the SAF flatbed axles and the EBS braking system with spring loaded parking brake. Additional features include lashing rings recessed in the bridge floor and integral lashing pockets in the outer frame for securing the load. The frame is hot-dip galvanised or sand blasted, primed and with total area painted. The offset construction makes it particularly suitable for transporting construction machinery, wheel loaders etc. that are additionally secured thanks to the offset.



Coating

Frame with custom surface coating such as total area painted in RAL colour or hot-dip galvanising.



Brake system

- Brake system in accordance with EBS 4S/3M and spring accumulator parking brake
- Connecting hoses with non-interchangeable coupling heads

Axle unit

- Branded flatbed axles with ten tonnes axle weight
- Air suspension unit with manual lowering at rear



Bogie and towing gear

- Steel profiles in proven welded construction with low-maintenance tapered slewing ring
- Drawbar, tilted with low-maintenance silent sleeves
- Height adjustment with mech. spring and triple adjustable drawbar (+/- 100mm)



Weight

- Permissible total weight 24,000 kilograms
- Permissible total weight up to 40,000 kilograms for indivisible load with special authorisation in accordance with § 70 StVZO



Chassis and frames

- Robust frame made of high-strength fine-grain steel
- Offset outer- and main frame in the rotating ring
- Ideal load securing with standard lashing rings as well as lashing pockets in the outer frame
- Wheel cut-outs above the rear wheels
- Loading ramp at rear for safe loading and unloading



Load-securing features

- Standard 2 pairs of lashing rings (10 tonnes) on main bed and 3 pairs of lashing rings (10 tonnes) recessed in the drop centre
- 5 pairs of stakes and lashing pockets in the external frame



Floor

- Bridge floor of approx. 55 mm thick softwood
- Hardwood available at extra charge

Step

Steps are fitted to the external frame profile on both sides.



Ramp

- One-piece ramps (length approx. 3,000 mm, width approx. 750 mm) with spring lifting mechanism
- Ramp retainer rods with tension lock and holder,
- Two-piece and hydraulic ramps available at extra cost

Kögel Industry Solutions Flatbed turntable trailer 4-axle

Construction machines	Building equipment	Containers	Raw materials	Boards and palletized goods
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Illustrations may show optional extra equipment / The products are subject to continuous technical modifications

Kögel Flatbed semi-trailer



Kögel Flatbed semi-trailer

This welded flatbed semi-trailer's special features are its offset plateau, chamfered high platform and low tare weight. It allows construction businesses to safely and conveniently transport construction machinery, such as mechanical diggers, wheel loaders, road finishers, as well as other construction machinery and heavy working machines. With an offsettable king pin, the semi-trailer can be adapted to tractors with two or three axles.



Surface treatment

- Hot-dip galvanised
- Chassis frame sand blasted, primed and painted on all surfaces (optional)



Towing facility

The adjustable king pin is suitable for 2-axle and 3-axle semi-trailer trucks.



Weight

- Permissible total weight 35.000 kg
- Permissible total weight 45,000 kg for indivisible load with special authorisation in accordance with § 70 StVZO (German Road Traffic Licensing Regulations)



Electrics/Hydraulics

Electrical, air connections and hydraulics (optional) on the front wall of the high bed.



Brake system

- Brake system with EBS 2S/M and spring loaded parking brake
- Connecting hoses with non-interchangeable coupling heads



Ramp

- Single section ramp with sprung lifting gear
- Semi-trailer ramps hot-dip galvanised
- Two-piece and hydraulic ramps available at extra cost



Load-securing features

- 3 pairs of lashing rings (6 tonnes) in the high bed
- 3 pairs of lashing rings (3 tonnes) in high platform, on outside
- 5 pairs of lashing rings (3 tonnes) recessed in lower platform
- 6 pairs of lashing rings (3 tonnes) in the drop centre outer frame



Loading behaviour

- Loading ramp at rear for safe loading and unloading
- Loading the chamfered high bed using an aluminium transition ramp which can be hooked in position (optional)



Flatbed

- Bridge floor of approx. 50 millimetre thick softwood
- Hard wood covering or rubber matting available at extra cost



Chassis and frames

- Main frame and external frame made of high-strength fine-grain steel
- Wheel cut-outs above the rear wheels of the semi-trailer



Wheel recess (optional)

- With cover and integrated locking mechanism
- Besonders für den Transport von hohen, bereiften Baumaschinen geeignet



3m equipment package (optional)

- Hinged side arm
- Wooden planks
- 4 extension boards
- Beacon
- Storage compartment for wooden planks

Step

- Steps are fitted to the external frame profile of the semi-trailer on both sides at the rear

Axle unit

- Branded flatbed axles with ten tonnes axle weight
- Air suspension unit with manual lowering at rear
- Lift and/or trailing steering axle (optional)

Kögel Industry Solutions Flatbed semi-trailer

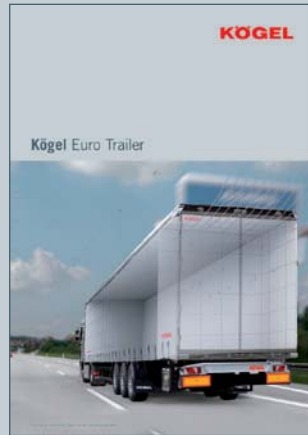
Construction machines	Building equipment	Containers	Raw materials	Boards and palletted goods
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Kögel Product Ranges



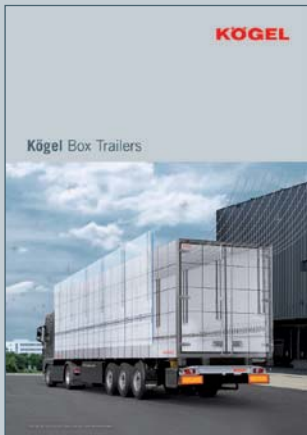
Platform Trailers



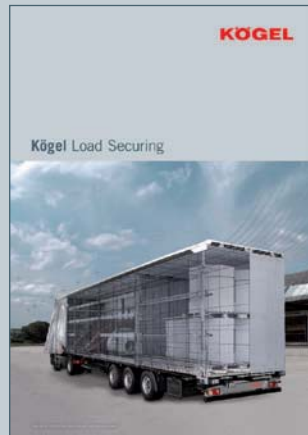
Euro Trailer



Demountable Systems



Box Trailers



Load Securing



Tipper Trailer

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