



WE DELIVER THE FUTURE
Refrigerated & dry freight semitrailers

 **KRONE**
We Deliver the Future



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PLENTY OF SPACE FOR YOUR CARGO. THE RIGHT TRAILER FOR EVERY CHALLENGE.

WE OFFER YOU OPTIMAL SOLUTIONS FOR ALL TRANSPORT REQUIREMENTS. DISCOVER OUR PRODUCTS WHICH SET REAL STANDARDS IN TERMS OF INNOVATION AND QUALITY. A RANGE OF TRAILERS WHICH ENSURE VALUE STABILITY AND ARE ALSO PRACTICAL AND USER-FRIENDLY.

Always a good solution – the right vehicle for every application: From the Profi Liner, an all-rounder, to specialist vehicles such as the Paper Liner or Coil Liner, we offer you flatbed semitrailers for every situation and with different specifications. Maximum volume in our Mega Liner, special load securing equipment in our Paper Liner or Coil Liner. KRONE knows what transport professionals need and therefore takes practical details into account.

The Coffer-type semitrailers from KRONE are for professionals from professionals. With our Dry Liner and Cool Liner, you are ideally prepared for all refrigerated, fresh or dry goods transport. From transporting flowers, through meat hanging and doubledeck, to multi-temperature insulating partitions, there are also numerous variants for you, the customer, to choose from.

Sturdy and multi-functional – these are the characteristics of KRONE'S Container Chassis and swap bodies. Practical, versatile and easy to use – these criteria are found in both the chassis and the swap-bodies. And last, but not least, KRONE also considers an aerodynamic design.

Trailers and superstructures round off the diverse product range of KRONE. Simple and safe handling, tested components, first-class manufacture as well as the long-term protection provided by the cathodic dip coating plus powder make KRONE vehicles an investment which pays off in every case.





THEY REALLY HAVE LOTS OF EXTRA TALENT. THE REFRIGERATED SEMITRAILER FROM KRONE.

THE KRONE COOL LINER DUOPLEX STEEL IS THE SIMPLEST AND BEST WAY TO TRANSPORT PHARMACEUTICAL PRODUCTS, SENSITIVE FLOWERS OR FROZEN GOODS. ALONG WITH ITS EXEMPLARY AND COMFORTABLE EQUIPMENT, ITS ENORMOUS FLEXIBILITY STANDS OUT. THANKS TO ITS EFFICIENT FITTINGS, SUCH AS THE KRONE ISOWALL MOVABLE BULKHEAD, IT IS POSSIBLE TO TRANSPORT DIFFERENT CARGOS IN VARIOUS TEMPERATURE ZONES TOO WITH NO PROBLEMS AT ALL.



A HOT TIP FOR THE HIGHEST DEMANDS. THE COOL LINER.

Excellent
cooling
efficiency

IT DOES NOT MATTER WHAT THEY ARE USED FOR – OUR REFRIGERATED SEMITRAILERS PROVIDE THE RIGHT ANSWER FOR EVERY TRANSPORT TASK. THEY STAND OUT WITH THEIR STURDINESS DOWN TO THE SMALLEST DETAIL AND THEIR GREAT LEVELS OF EFFICIENCY.

Details that you will love

You find particularly hard conditions in temperature-controlled goods transport – the KRONE Cool Liner is particularly well equipped to meet them. The chassis, body and general equipment are strong and purpose-built. From the flexible air duct, through the leak-proof floor tray to the stainless steel rear closures – the Cool Liner can cope with the highest demands thanks to the many solutions developed in conjunction with our customers.

Transport to suit your taste

Be it vegetables, meat or frozen goods – all food transported in our refrigerated trailers is in the best of hands. The Cool Liner is HACCP compliant in the special equipment version that you want. Particularly helpful: Thanks to KRONE Telematics, you can always keep an eye on the position, status and temperature of your transport.

Everything under control

Safety is also written large with the Cool Liner. With its intelligent functions, you are informed about your transport around the clock. Alongside the telematics functions, you benefit from a tyre-pressure monitoring system and a ramp approach aid. Special protection is also achieved by the comprehensive security systems, such as KRONE Door Protect.





COOL LINER. STANDARD EQUIPMENT.



Continuous chassis.

The Cool Liner is equipped with a continuous chassis. Tensile forces are transferred to the chassis, which protects the coffer superstructure during vehicle coupling and uncoupling. The forces involved when docking to the ramp are also absorbed by the chassis.



Large pallet box.

The pallet box has room for 36 Euro pallets. It has an innovative cover guide system and a low loading edge. With a coupling height of 1,150 mm, the ground clearance is approximately 350 mm.



Protected fuel tank.

The plastic fuel tank has been installed in a protected position between the landing gear. The open construction provides for easy filling and checking of the fuel level.



Good coupling protection.

Diagonal trussing of the rear guides ensures efficient protection of the trailer against compressive strains.



Practical rear gantry.

The stainless steel rear gantry has been designed to be suitable for both docks and ramps. Door hinges are recessed at the sides to allow an optimal door opening angle. As an option, four door locks are available.



Compact underrun.

Positioned for minimum impact damage, the underrun bumper and lighting brackets can be individually replaced. During the docking manoeuvre, the tail is protected by one horizontal delta-shaped fender and two impact buffers, right and left.



Reliably secured.

Hinges are customs-compliant.



Flexible air channel.

The flexible, ceiling-mounted air ducts evenly distribute cold air in the trailer and are also suitable for double deck loading.



LED internal lights.

4 LED lights under the roof provide internal lighting.



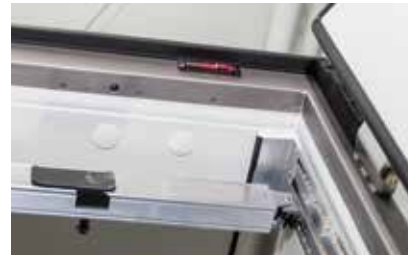
Practical door restraint.

The spring-loaded door stop prevents door movement.



Water-tight kick strips.

The aluminium kick strip is bonded to the side walls and welded water-tight to the one-piece floor plate. As standard, the aluminium floor is fully compliant with PIEK regulations.



Intelligent door electronics.

For added protection, the marker lamps are integrally housed into the rear frame. The door contact switch for the internal lighting reacts without contact and can be combined with KRONE Telematics.



Smooth facings.

The smooth outer skin without additional connecting elements is ideally suited for fitting decals, easy to clean, simple and quick to repair.



Optimum air guidance.

Stable aluminium profiles ensure the best front wall protection and optimal air flow with their large profile cross-section.



Bolted evaporator guard.

Haccp-compliant and removable to aid cleaning.





COOL LINER. OPTIONAL EQUIPMENT.



Tailor-made refrigerated trailers.

KRONE cooling trailers are equipped according to the customer's requirements: with kick strips, doubled deck, HACCP-compatible strapping rails, and a lot of other optional equipment for transport efficiency.



Ferry rings.

Rings are bolted to the chassis for secure lashing during ferry transit. Corresponding lashing points are recessed in the coupling plate.



Roll compression buffer.

Four stainless steel rollers with shock absorbing cores protect the rear of the vehicle when docking. They also compensate for variable loading dock heights.



Sturdy underrun protection.

A round underrun protection with reinforced skid shoes is available for tough every day transport.



Buffer strip.

A buffer strip under the rear frame offers additional protection. The buffer strip consists of 15 rubber profiles, each of which can be individually replaced.



Compression buffer.

Tough to break: that is the compression buffer. Extremely robust steel impact protection at the tail end with impact-absorbing rubber blocks for damping docking forces.



Additional docking protection.

Two solid rubber rear buffers transfer the docking forces directly to the main chassis main beams.



COOL LINER. OPTIONAL EQUIPMENT.



Fridge unit protection bars.

Heavy duty galvanised steel tubes are used to protect the refrigeration system.



Venting shutters.

Optional equipment: ventilation flaps in the front and rear walls.



Refrigeration systems and telematic temperature recorders

Refrigeration systems and telematic temperature recorders from all leading manufacturers are available to suit your preference. The T-Control LED tank display provides information about the fuel level.

KRONE temperature recorder TR.

Certified temperature sensors from KRONE make this possible: KRONE's telematic temperature recorder TR1, obviates the use of conventional temperature recorders which normally would be sited on the front wall. Not only do you make savings on the system, but also through not having to supply and use the requisite apparatus (printer, printer paper, etc.). All temperature verification can be sent directly from the KRONE telematics portal as a PDF by mail or fax, even before the load arrives at the customer. Moreover, the data can also be transferred directly from the telematics unit to the PC via an interface and is also available in digital format. This also saves unnecessary waiting times for the driver. The KRONE telematic temperature recorder TR saves time and money and protects the environment.





Double lock rods.

For additional stability and security, the container door is also available with double lock rods.



Optional side door.

The optional side door is the ideal solution when partial shipments must be loaded or unloaded in one temperature zone.



Insulated roller shutter door.

An insulated rolling shutter door saves you time and makes handling on the ramp easier.



Practical door restraint cords.

As an alternative to the metal version, cord door restraints are available.



COOL LINER. OPTIONALES EQUIPMENT.



Meat-Hang-execution.

Various models for suspension of meat are available that comply with country-specific requirements. Available are meat suspension rails with 60 mm or 45 mm diameter. Hook catch and Hook separation guard as standard equipment. On request, with hook parking rail or rack.



Strip curtain.

The insulation strip curtain is in three parts. It can either attach to the rear or slide along the length of the trailer.



Hygienic drain hole.

A drain hole is integrated into the floor to make interior cleaning easier.



Equipment acc. to HACCP.

Cooler tailored to customer dimensions: with recessed, HACCP-certified lashing, double-deck rails and additional kick strip.



Split strapping rails.

In practical use, the advantages of the split strapping rails in combination with double-deck loading can be clearly seen.



Practical guide rails.

Double-deck guide rails installed flush in the wall in accordance with HACCP. Additional stowage position at the top, ideal for cold air flow.



Easy height adjustment.

Horizontal markings on the guide rails make it easier to adjust the height of the double-deck beams.



Load securing.

Barrier beams for rear load securing.



Solid evaporator guard.

Added protection: the evaporator guard is formed from aluminium profiles.



Flexible load securing.

Vario Lock load securing system with perforated rails integrated in the floor and under the roof. Optimum equipment for securing flower containers.



COOL LINER. OPTIONAL EQUIPMENT.



Good air guidance.

If the load compartment is full, everything depends on good air guidance: optionally, venting ducts are integrated into the rear doors for optimum air circulation. The evaporators are available in different versions.



Evaporation protection.

A stainless steel frame protects the evaporator while loading and unloading.



Cooling zone arrangement.

The partition, which can be moved throughout the whole length of the superstructure to create different temperature zones, is very well insulated and tested according to ATP. The upper lock unit, using innovative balancer technology provides extremely easy operation.



Multiple chamber systems.

KRONE offers a fully variable cooling zone arrangement with a partition in the longitudinal direction. This multi-temperature solution provides three individually controllable chambers for transporting fresh and frozen goods. The transverse partitions can be positioned as desired.



Secure docking.

The latest sensors help to avoid damage while docking at the loading ramp.

Rear light versions



**4-chamber
rear lights**
Part LED



**4-chamber
rear lights**
Full LED



Double, round
Light bulb



Double, round
Full LED



Single, round
Light bulb

Single, round
Full LED



COOL LINER HUCKEPACK.



Simple railway transport.

Cool Liner Duoplex Steel are also be supplied with crane pockets and suitable equipment for combined traffic.



Retractable spray suppression.

The spray suppressors can be stowed during rail transport.



Robust equipment.

High strength loading points ensure secure and safe handling for cranes and fork-lift trucks.



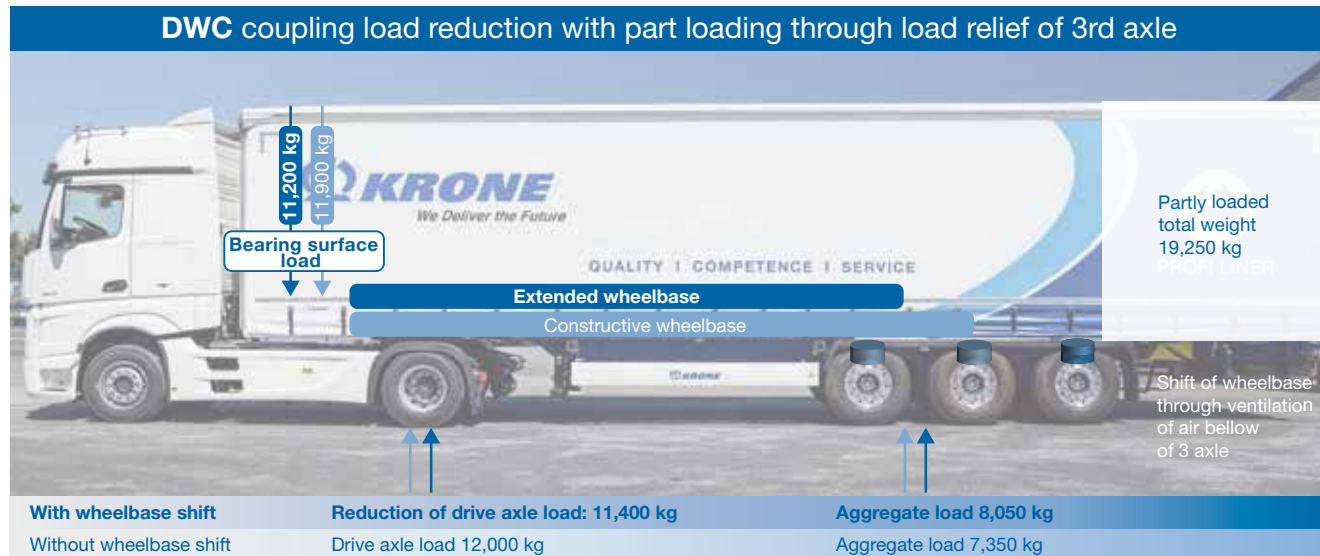
Raising the underrun protection.

Depending on the tractors in use, the underrun bumper and the side guards can be folded away and locked easily.





EXCESS WEIGHT – NEVER AGAIN. THE DWC WHEEL BASE CONTROL.



The DWC unit allows a three-axle semitrailer the use of almost the same functions which would otherwise require integration of an axle lift and / or rear steer axles.

Automatic dynamic Wheel Base Control.

The wheel base is reduced by easing the pressure of the air bag on the last axle. The resultant theoretical extended rear overhang provides a counterweight for loading over the 5th wheel. Thereby, the 5th wheel is relieved so that the semitrailer can now be further loaded. The dynamic Wheel Base Control automatically checks the load on the first and the second axle up to the permissible axle load and dynamically checks the load of the third axle thereafter. The system can be turned off using Wabco Smartboard.

Automatic maneuvering system.

A reduction of pressure in the air bags at the rear axle of the semitrailer causes the center of movement of the total axle assembly to move towards the truck. Thereby reducing the wheel base in the speed range from 1.8 to 30 km/h. Thereby the trailer's cornering is improved. The system can be turned off through Wabco Smartboard.



KRONE DWC - Main functions:

- › Starting assistance – improved traction of the truck (combined with the lifting axle).
- › Maneuvering system – effectively reduces the trailer wheel base.
- › Wheel Base Control – to avoid overloading the tractor drive axle.

Automatic activation:

- › Wheel Base Control through Using air bag pressure control.
- › Maneuvering system system for corner control.
- › Starting aid (activated by driver)

KRONE DWC - Advantages:

For Truck:

- › Maintaining the axle load.
- › Reduction in damage to tyres and driving axle.

For trailer:

- › Reduction in damage to tyre on first and third axles.
- › Optimized maneuverability and movement around corners.
- › Alternative to steering axle.



COOL LINER PHARMA.



The most important advantages of the KRONE Pharma qualification:

- › Expense for IQ (installation qualification) and OQ (operational qualification) is not required (Although in practice, it is required for all vehicles)
- › Safety and the pharmaceutical suitability of the trailer
- › Savings in time and costs
- › Where required, assistance with PQ (service qualification)

THE GERMAN MEDICINAL PRODUCTS ACT HAS SPECIFIC REQUIREMENTS CONCERNING STORAGE AND TRANSPORT OF PHARMACEUTICAL PRODUCTS. THE FOLLOWING PASSAGE CAN BE FOUND IN ARTICLE 7 OF THE REGULATION: “ RAW MATERIALS, COMPOUNDS AND END PRODUCTS AS WELL AS SAMPLES MUST BE STORED IN SUCH A WAY THAT QUALITY IS NOT ADVERSELY AFFECTED AND THAT MIX-UPS ARE AVOIDED. CRITICAL PARAMETERS CONCERNING THE STORAGE AND TRANSPORTATION MUST BE CHECKED AND RECORDED SO THAT COMPLIANCE WITH THE REQUIREMENTS CAN BE CONFIRMED. [...] THE STORAGE CONTAINERS AND THE INTERNAL TRANSPORT CONTAINERS MUST BE DESIGNED SO THAT THE QUALITY OF THEIR CONTENTS IS NOT AFFECTED.”

The Cool Liner Pharma provides an exact model of how these legal requirements can be met. This is verified by Pharmaserv GmbH & Co. KG as well as the European Institute for Pharma Logistics GmbH. Pharmaserv certifies the KRONE trailer at the Lübtheen production plant. In functional tests carried out over several days, the Cool Liner equipped with KRONE telematics is tested under the toughest conditions. Numerous data loggers are placed in pre-defined positions in the vehicle superstructure to provide continuous monitoring of the temperature data and thereby a homogeneous temperature distribution in the superstructure. In addition, continuous external monitoring and control is carried out using the KRONE telematics portal. The result: The values required by Pharmaserv, such as high thermal efficiency and even cold air circulation, along with

stringent hygienic requirements are easily met using a combination of high grade components and expert workmanship. In addition, KRONE has also received the EIPL certificate for the Cool Liner. This certificate is issued by the European Institute for Pharma Logistics GmbH which specialises in knowledge transfer and services at the interface between the pharmaceutical and the logistics industries. KRONE offers the pharmaceuticals certified Cool Liner with a variety of equipment options. The trailer body is available with side walls of 60 mm or 45 mm thickness. The fridge units can be installed for single or multi-temperature operation. The Carrier Vector 1950 T as well as Thermon King SLXe 400 and SLXe Spectrum are available (each with optional remote evaporators).



Door Protect High Security.

Best possible anti-theft protection with the KRONE Door Protect; the rear door is automatically locked when it is closed and it can only be opened again when the dispatcher has released the door using the telematics and the driver has entered the corresponding security code. In addition to the rear door, an electronic internal roof and side wall monitoring system is available as an option. If someone tries to open the rear door without the code, an optional acoustic alarm can be triggered.



Temperature sensor.

Two temperature sensors are fitted in each refrigerating chamber.



Pharma certificate

The Pharma certificate confirms that the Cool Liner uses the ideal equipment and technology designed for the refrigeration industry, including insulation properties that enable perishable goods to be transported within strict HCCP regulations. In order to meet the stringent demands of the pharmaceutical industry, the Cool Liner „Pharma“ is also equipped with an integrated telematics system that meets the requirements of the EU GDP. The trailer covers the complete pharmaceutical-specific temperature range of -20°C to +25°C.





MADE FOR THE CITY. THE COOL LINER CITY.



INNER CITY DELIVERIES DEMAND CARGO TRANSPORTATION: WHAT IS NEEDED HERE IS A FLEXIBLE, SOLID AND, ABOVE ALL, VERSATILE TRAILER THAT CAN BE WELL HANDLED EVEN IF THERE IS NOT MUCH SPACE.

The Cool Liner City is tailored to these requirements: a robust running gear with solid end beam for frequent docking at ramps, a low-maintenance, quick-reaction one-bar forced steering and a chassis with long-term value preservation due to cataphoretic painting and powder coating. The Cool Liner City also impresses overall with its proven KRONE quality. The City Chassis is available as single, dual or triple axle models for 22, 27 or 33 euro pallets. The Cool Liner City can be used flexibly with a standard tractor unit and is more manoeuvrable than any solo HGV with the same load length.



Extreme mobility.

The forced steering is a proven one-bar system, integrated in the running gear and low-maintenance. The steering angle of 25 degrees allows manoeuvring in very restricted space.



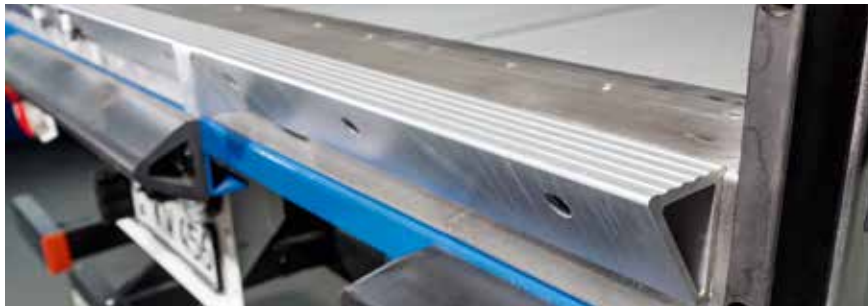
The PIEK alternative:

The future of inner-city distribution.

In the Netherlands, but also in England, Italy and Germany statutory regulations about noise emissions during early morning and late night delivery are applicable. To fulfil statutory requirements, efforts have been underway since 1999 to develop noise-reducing lorries. The PIEK programme (PIEK = peak, to be understood as the permissible peak noise load) has led to development and launch of noise-reducing products.

PIEK equipment.

The standard low noise floor made of aluminium, meets the legal requirements for noise reduction. As an alternative, a special floor with profiles along its length is available. The kick-strips along each side are coated to aid noise reduction. Even coated tail lifts and low-noise cooling units are part of the delivery programme.



Aluminium brink wedge.

An aluminium brink wedge comes as standard with a fixed tail lift behind the rear doors. The brink wedge serves to close the gap between loading floor and platform.



Lifting arm equipment.

With loading board wall equipment, both the chassis and the lighting rack are provided with a cutout adapted to the lifting arms of the tail lift.



REALLY IMPRESSIVE. THE KRONE DRY FREIGHT BOX BODY.

IF YOU ARE ALWAYS ON THE ROAD, A RELIABLE BOX BODY DURING YOUR TRIP IS WORTH ITS WEIGHT IN GOLD. WITH THE KRONE DRY LINER, EACH OF YOUR LOADS REACHES ITS DESTINATION SAFELY AND DRY. THE STABLE SUPERSTRUCTURE IS TAILOR-MADE TO EXACTLY MEET THE PRACTICAL ASPECTS OF EVERYDAY TRANSPORT. THIS RESULTS IN LINKED PROCESSES AND MECHANISMS WHICH PAYS OFF DOWN TO THE SMALLEST DETAIL.



THOUGHT-OUT TRIPS. THE DRY LINER.

Robust
and reliable

OUR FUNCTIONAL DRY LINER HAS A VARIETY OF DETAILS TO MAKE YOUR DAILY WORK EASIER. AT THE HIGHEST LEVEL OF TECHNOLOGY – AND WITH A PRICE/PERFORMANCE RELATIONSHIP WHICH YOU CAN BE PROUD OF.

Handling rough jobs

Box superstructures need to be able to cope with rough jobs. For this reason, the KRONE Dry Liner is particularly robust. The stable chassis has diagonal frame reinforcements and can easily cope with rough approaches to the loading ramp. This means that the Dry Liner transports everything safely and protected to its destination. Be it clothing, high-value electronics, paints or furniture.

Scores with its many benefits

The Dry Liner is very flexible and scores with a variety of benefits. Thanks to the very robust material used, it is virtually indestructible. With its flexible equipment options, it is tailor-made to the requirements of our customers.

Dry Liner Duoplex Steel

By using 30 mm thick Duoplex Steel side wall panels, dry freight logistics reaches a new dimension. Recessed doubledeck guide rails and strapping rails give high levels of transport efficiency and offer the best possible load securing.





DRY LINER. PRODUCT FEATURES.



Perfected front wall.

The front wall is aerodynamically shaped. The coupling supports provide light and air connections on two levels.



Optimum tightness.

The steel container rear doors with foam block lining provides optimum closing with top tightness. Internal espagnolette (turn-bar) latches ensure a smooth outer surface.



Rail-compatible roller door.

An optional, space-saving rolling door is available instead of the standard container doors.



Integral rear beam.

The rear frame is designed with an optional integrated beam to maximise loading height through the rear doors.



Compression buffer.

Tough to break: that is the compression buffer. Extremely robust impact protection of steel at the tail end with impact-absorbing rubber blocks for damping docking forces. (Optional)



Optional rear-end protection.

An optional, steel ram protection system with 2 solid buffers is available for additional protection.



Translucent plastic roof.

Better vision during loading and unloading work thanks to the translucent plastic roof. Segments of this design can also be optionally installed.



Multi Switch.

Multi Switch is a system of vertical and horizontal guide rails which, using a locking bar, can be easily used to secure the load in any position at the front or rear.



Retractable strapping rings.

13 pairs of strapping rings are available as an additional means of securing the load. These are evenly spaced and recessed in the outer frame.



Strapping strips.

As an alternative to the strapping rings, strapping strips are available which are recessed into the kick-strips.



Secured door locks.

With a lockable solid stainless-steel flap, the locks on the rear doors can be completely secured.



Stable skid shoes.

Particularly recommended when using the vehicle in road traffic: the extremely stable skid shoes. They are behind the underrun protection and bolted directly onto the longitudinal beams of the chassis. They protect the trailer from grounding or when docking.



DRY LINER. PRODUCT FEATURES.



Multi-functional internal fittings.

The Dry Liner is fitted with keyhole plates as standard with the steel box body.



Protected side walls.

Raised side double-wall kick strips protect the superstructure walls against damage through fork lift trucks or through the cargo.



Double-deck equipment.

Perfect integration of guide rails to double-deck stowing. A hook for the loader makes moving the loading beam a child's play.



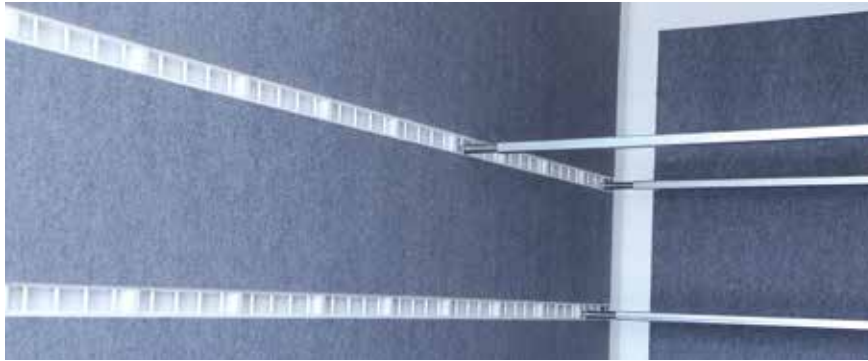
Drainage system.

An outflow is incorporated below the keyhole plate to avoid build up of debris.



Robust and easy-care.

The front wall of the Dry Liner is lined with screen printing plates at the inside over its entire height (optional).



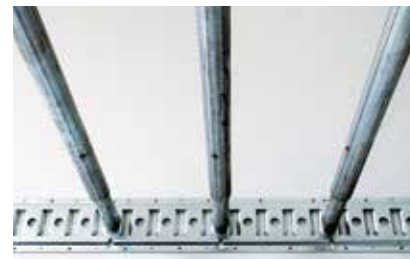
Various internal cladding systems.

Various types of internal cladding are available. This includes, for example, the felt lining for transporting furniture. Plywood paneling is also available.



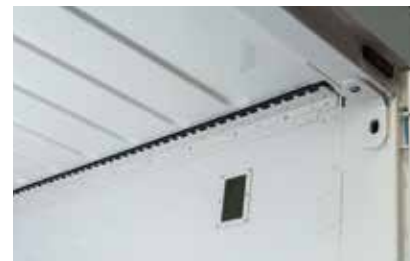
Ideal for apparel transport.

Keyhole plates are predestined for apparel transport. Besides clothes rails, they can also take up locking rods, belts, etc. Unneeded garment rails can be positioned at any place.



Plywood side walls.

The Dry Liner with plywood side walls provides you with coated plywood wall surfaces on the inside of the vehicle. Additional fittings include recessed load rails and surface-mounted kick-strips.



Venting slots.

Venting slots are recessed into the side walls. They help prevent the formation of condensation.



DRY LINER DUOPLEX STEEL. PRODUCT FEATURES.



Fresh produce logistics with isolating coffer know-how.

Using a 30 mm thick Duoplex steel side wall panel, the dry freight logistics world takes on a new dimension. Integrated doubledeck guide rails and strapping rails (option) allow high transport efficiency and optimum load securing.

Fresh solution on the transport market.

Reason: innovative Dry Liner Duoplex Steel is based on insulated box knowledge that led to the development of the new Cool Liner Duoplex Steel. The result is a versatile box body for fresh and ambient goods which impresses, both internally and externally, with its effective insulation, flexibility and strength.



Simple doubledeck height adjustment.

The doubledeck loading beams can be easily handled by means of the control bar. Markings at the guide rails facilitate height adjustment.



Doubledeck guide rails.

State-of-the-art manufacturing technology: doubledeck guide rails with split and continuous strapping rails, integrated flush in the side walls.



Solid load compartment.

The 300 mm high socket kick strip and the 30 mm thick perforated floor plates provide stability and high load capacity. As with all our Dry Liners, the floor is laid between the longitudinal beams. For heavy usage at loading platforms the floor could be reinforced by using chequered plates in the rear.

The Dry Liner Furniture.

Designed for the very purpose, is the Dry Liner Furniture. Its command steering makes it more manoeuvrable in inner-city traffic than many solo HGV's. Bespoke equipment such as felt panelling and smooth floor surfaces ensure the safe transportation of high quality furniture.

Optional strapping rail versions as well as strapping rings set into the floor ensure that you can properly secure your load in any desired position.





ENVIRONMENT PROTECTION THAT PAYS. THE FUEL-SAVING ECOPACKAGE.



WHEN IT COMES TO COMMERCIAL INNOVATIONS, YOU SHOULD KNOW WHICH WAY THE WIND BLOWS. ON THE PATH TO THE FUTURE, FROM EVERY ANGLE KRONE LAYS EMPHASIS ON EFFICIENCY AND SUSTAINABILITY. THIS APPLIES TO OUR MANUFACTURING PROCESS. AND IT APPLIES ALL THE MORE WHILE CONCEIVING NEW TRAILER DESIGNS. WITH ECO PACKAGE, CONSISTING OF A NEW TYPE OF EASYTARP CURTAIN AS WELL AS A FUEL SAVER KIT, KRONE OFFERS A NEW SOLUTION WHICH SAVES ON FUEL, CO₂ AND COSTS.

Economy tolerates no resistance.

In the transport business, the effect of air resistance often is underestimated. Therefore, so far only tractors were equipped with aerodynamic components, such as spoilers, while the streamlined equipment of the trailers seemed to be too expensive. But KRONE engineers now put away this prejudice and, after numerous model trials, developed an aerodynamic package which will pay quickly. They have considered in the smallest detail how to design an aerodynamic trailer while taking the weight aspects into account. The result: fuel savings of up to an amazing 7 % as well as clearly reduced CO₂ emissions.

The aerodynamics of the vehicle are improved even more by the new aerodynamic rear wind deflector. This system is mounted to the rear door with only a few connecting points and deflects the air flow, thus reducing the overall resistance of the vehicle.

Potential for aerodynamic savings and thus fuel savings is also achieved with the curtain; KRONE uses the EasyTarp side curtains that are equipped with a pneumatic central locking system. The side curtains are fastened on the front and rear corner posts in a conventional manner, and are tensioned horizon-



Aerodynamic FuelSaver kit.

The FuelSaver side panels contribute to reduction in air resistance. By using the maintenance flaps, all trailer controls including tyres and add-on components are easily accessible anytime. The KRONE FuelSaver kit is made of plastic and weighs about 170 kg.

Up to 7 % fuel savings
and 70 % time savings
when handling
the curtain



tally with the aid of a hand ratchet at the rear of the trailer. Vertical tension is achieved using 4 pneumatically powered locking hooks per side that are activated via a switch in the lower area of the front bulkhead which engages a tension rope running horizontally at the bottom of the curtain. When open, the locking hooks pivot back under the external frame to protect against damage (e.g. from a forklift). This innovative side curtain system offers further advan-

tages to both the driver and transport company: side curtain aerodynamics is improved owing to the absence of conventional, spring-loaded buckles and the load and unload times are shortened due to the pneumatic locking mechanism. Furthermore, the risk of driver injury is significantly reduced because the driver operates the pneumatic central locking mechanism at the front of the trailer, and thus cannot be injured by a slipping load.

UNLIMITED SERVICE. PRODUCTION LOCATIONS / SALES COMPANIES





Sales:

- KRONE national representations

Production sites:

Flatbed semitrailers and trailers

Fahrzeugwerk Bernard Krone GmbH & Co. KG
Bernard-Krone-Straße 1
49757 Werlte, GERMANY

Swap systems

Brüggen Oberflächen- und Systemlieferant GmbH
Boschstraße 4
49770 Herzlake, GERMANY

Box body semitrailers

Brüggen Fahrzeugwerk und Service GmbH
Geschwister-Scholl-Straße 15
19249 Lübtheen, GERMANY

Trailer axles

gigant - Trenkamp & Gehle GmbH
Märschendorfer Straße 42
49413 Dinklage, GERMANY

Flatbed semitrailers

Krone Ticari Araçlar San. ve Tic. A.Ş.
İbni Melek Mh. Organize Sanayi Bölgesi
2.Sk. No:1 / 35900 Tire / İzmir / Türkiye

KRONE Sales
International
can be found here





TECHNICAL DATA.

TYPE	COOL LINER DUOPLEX STEEL				COOL LINER CITY		DRY LINER	
	SERIE	DOUBLE DECK	MEAT HANG	MULTI TEMP	SERIE	TYPE STG	TYPE STP	TYPE LI
King pin load	12,000 kg	12,000 kg	12,000 kg	12,000 kg	12,000 kg	12,000 kg	12,000 kg	12,000 kg
Axle load (technically possible)	27,000 kg	27,000 kg	27,000 kg	27,000 kg	10,000 kg	27,000 kg	27,000 kg	27,000 kg
Allowable gross weight (technically possible)	39,000 kg	39,000 kg	39,000 kg	39,000 kg	22,000 kg	39,000 kg	39,000 kg	39,000 kg
Tare weight						7,980 kg	7,690 kg	6,800 kg
without cooling unit, approx,	7,600 kg	7,810 kg	9,150 kg	7,820 kg	6,500 kg			
with cooling unit and tank, approx,	8,360 kg	8,580 kg	9,950 kg	8,850 kg				
5th wheel height (unloaded)	1,150 mm	1,150 mm	1,150 mm	1,150 mm	1,130 mm	1,150 mm	1,150 mm	1,150 mm
Axle spread	1,310 mm	1,310 mm	1,310 mm	1,310 mm		1,310 mm	1,310 mm	1,310 mm
Internal length	13,310 mm	13,310 mm	13,310 mm	13,310 mm	10,845 mm	13,620 mm	13,620 mm	13,620 mm
Internal width	2,470 mm	2,470 mm	2,470 mm	2,470 mm	2,470 mm	2,480 mm	2,480 mm	2,470 mm
Internal height	2,650 mm	2,650 mm	2,530 mm	2,650 mm	2,550 mm	2,725 mm	2,725 mm	2,715 mm
External width	2,600 mm	2,600 mm	2,600 mm	2,600 mm	2,600 mm	2,550 mm	2,550 mm	2,550 mm
Panel thicknesses								
Front wall	50 mm	50 mm	50 mm	50 mm	50 mm			
Side walls	60 mm	60 mm	60 mm	60 mm	60 mm			
Roof	85 mm	85 mm	135 mm	85 mm	85 mm			
Doors	90 mm	90 mm	90 mm	90 mm	90 mm			
Floor	125 mm	125 mm	125 mm	125 mm	125 mm			

Dimensions and weights for standard units



Production facility Werlte (Germany)



Production facility Herzlake (Germany)



Production facility Dinklage (Germany)



Production facility Lübtheen (Germany)



Production facility Tire (Turkey)

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