



# S.KO Box Semi-trailers

Temperature-controlled transport and dry freight

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## One-Stop Solution

At Schmitz Cargobull you get a comprehensive range of services to meet all your trailer-related needs over its entire service life. From the financing of your trailer and on-the-road service to value retention by means of fair trade-in offers. Reduced downtime increases the availability of your trailers and guarantees their retained value. And all at low and agreed costs – throughout the service life of your trailer.



Tailored financing solutions and insurance from the industry expert

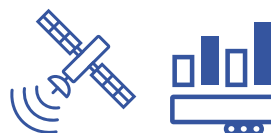


Second-hand – first-class certified-quality used trailers

Procurement

Valuation  
and sales

# Usage



TrailerConnect® telematics for smart logistics and fleet management

24h



Original spare parts available in 24 hours; order online with the EPOS portal



Full Service for the trailer, refrigeration unit and tyres

24h



24-hour Cargobull Euroservice Europe-wide breakdown service



1,700 Service Partners – your specialist workshop for Full Service

## Our Service Portfolio – Your Benefits:



- One-stop shopping: one central contact for all trailer-related issues
- 100% Schmitz Cargobull for the entire service life of your trailer
- Service solutions from industry experts, perfectly coordinated to the Schmitz Cargobull product range
- Europe-wide service and fleet management via online portals
- Financing, Full Service, trailer telematics, second-hand trailers – individual service packages for every use
- Cost and price transparency with genuine spare parts and the highest service quality
- Reliable transport industry system partner for comprehensive transport solutions

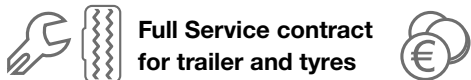
Please refer to the Service brochure for further information.



# Perfect Transport Solution for Temperature-Controlled Freight

The new generation of the S.KO COOL SMART box semi-trailers has been optimised for today's world and equipped for the logistics of tomorrow. The most important consideration is the long-term profitability of your investment through low TCO (Total Cost of Ownership) and excellent availability. Then there is the highest possible level of security with regard to handling and the freight itself – including quicker loading and unloading times at the ramp. The result: retained value, availability, increased efficiency and thus added revenue for you.

### Your Service Benefits:



**Full Service contract for trailer and tyres**

**Financing including services such as Full Service and telematics**

The modular equipment adapts flexibly to your transport work and needs.

**NEW: TrailerConnect® telematics hardware included ex-factory\*\***



Improved coupling protection – even when approaching from the side – thanks to full-length pick-up plate with edge guard.



### Your Benefits:

- EXECUTIVE package: universal solution, including refrigeration unit and proactive services.
- Vapour diffusion-tight, age-resistant and shatter-proof box body
- Self-supporting FERROPLAST® box body with unique and efficient insulation system as with the S.KO COOL SMART COMPLETE
- Efficient cooling thanks to improved air flow
- Easy cleaning due to liquid-tight welded floor pan and flush fittings
- Flexible dispatch and increased capacity with the optional double-decker system and MultiTemp equipment
- Simplified load securing with a multifunctional floor, double-decker system and load securing rails
- Flexible modular system for your trailer configuration

\* Optional. \*\* Offer will begin in selected countries..



The full cladding reduces the air resistance across the entire truck-trailer combination, saving you up to 4% fuel. The modular construction simplifies maintenance and reduces repair costs.\*

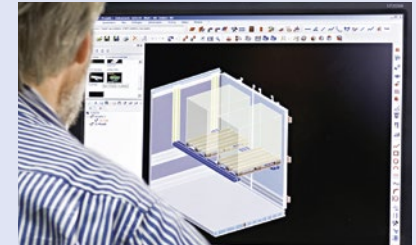


Pallet box for 36 pallets – designed for the aerodynamic side panelling.\*



Greater safety for following traffic: The SL2 safety light illuminates braking manoeuvres and lane changes even at a long distance.\*

## Serial Success



Precision in every detail: CAD-supported processes when developing the double-decker loading equipment for box vehicles.



Modular flexibility: at the request of the customer and for regional markets, the S.KO COOL SMART can also be supplied in lengths of 16.5 and 17.8 metres or as a MEGA trailer with an interior height of 3 m.\*



The self-supporting FERROPLAST® box body is placed on the complete short chassis and assembled.



Test distance: 1,000,000 km. Our prototypes have undergone a service life test on our hydropulser before they have even driven their first kilometre.



Fuel indicator with LED display.\*



Additional working spotlights with LED technology.\*



Door locks by means of pivoting handle.



LED tail lights with a striking flashing function.\*



Tyre pressure sensor with re-inflation function.\*

\* Optional.

## COMPLETE, the Best Insulation for Your Freight

- Unique insulation system.
- Outstanding K-value of 0.33 W/m<sup>2</sup>K.
- Less energy required to maintain the temperature.
- Reduces fuel consumption by the refrigeration unit.
- Improved energy balance over the entire life of the trailer.

The S.KO COOL SMART COMPLETE\* sets new benchmarks with the best insulation ever used in a Schmitz Cargobull trailer.

**S.KO COOL**  
COMPLETE

Unique  
K-value  
**0.33**  
W/m<sup>2</sup>K

Up to  
**15%**  
lower  
energy costs



### Your benefits:

- **Reduced diesel costs – for greater efficiency. Lower your energy costs by up to 15%. It looks after your refrigeration unit and your wallet.**
- **Temperature retained for longer – for greater safety. The goods remain well chilled, even if it's hot outside, thanks to the K-value of 0.33 W/m<sup>2</sup>K. And all this with proven FERROPLAST® quality.**
- **Lower emissions – for the environment. Conserve resources at the same time as improving your company's CO<sub>2</sub> footprint.**

\* The S.KO COOL COMPLETE is only available in conjunction with a brand-name refrigeration unit fitted ex-factory.

# FERROPLAST® – Uniquely Efficient

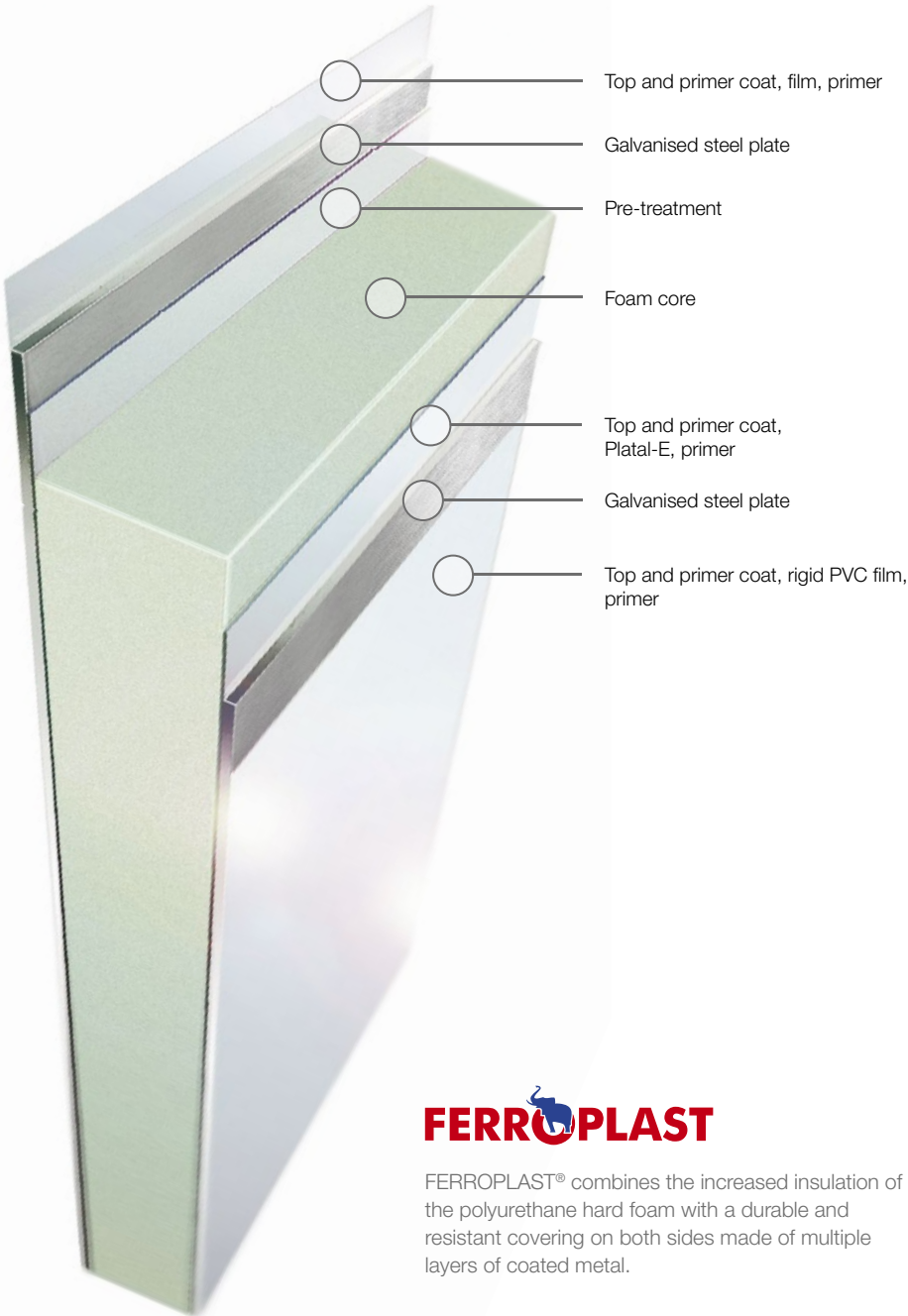
The use of market-leading FERROPLAST® ThermoTechnology is the basis for the reliability of our refrigerated box bodies, and guarantees their lasting retained value.

Vapour diffusion-tight metal cover layers prevent the absorption of moisture, safeguarding the trailer’s payload, and preventing the insulation from losing its efficiency.

With the same inner dimensions, the foam core of metal cover layers is up to 12% thicker compared to glass fibre-reinforced plastics (GRP). Greater insulation with the same transport volume.

Optionally available: inner cover layers with High Dent Resistance (“HDR”) also prevent damage from irregular loads.

FERROPLAST® – The Original.



FERROPLAST® combines the increased insulation of the polyurethane hard foam with a durable and resistant covering on both sides made of multiple layers of coated metal.

## Features

### Chemical/biological behaviour

Resistant to standard commercial chemicals, odour-neutral, resistant to rotting and decay, resistant to fungi and microbes, physiologically harmless, certified suitability for food use.

### Corrosion resistance

Chemical and physical protection through the cathode effect with galvanised steel finishes.

### Diffusion-tightness

Metal cover layers are vapour diffusion-tight: no loss of insulation or payload through the absorption of moisture into the foam core.

### Thermal storage capacity

Steel surface layers have a far lower heat storage capacity than carbon fibre: the trailer’s interior thus requires less time and energy to cool down.

### Insulated core

Large area foam injection results in absolute bonding with the surface layers: foam moulded density approx. 55-95 kg/m³.

### Thermal expansion

The expansion coefficient of steel is approx. 50% less than aluminium and approx. 70% less than GRP. The folded seams fully absorb any thermal expansion, preventing any deformation.

### Compression strength

10% compression at a pressure load of 50 t/m².\*

### Penetration resistance

Balls with a diameter of 20mm rebound without permanent deformation with forces of up to 300N.\*

### Tensile strength

320 N/mm² (StE 320).\*

\* Depending on panel thickness and material combination

## New Generation: S.CU Refrigeration Unit Range

The new Schmitz Cargobull S.CU transport refrigeration unit – as a MonoTemp and MultiTemp version – optimises efficiency while delivering the same performance. Thanks to a highly efficient common-rail diesel engine, it provides outstanding cooling performance, the best heat output and reduced defrosting cycles despite a 10% lower fuel consumption.\* Naturally, the engine complies with the EU Emission Standards Stage V\*\*.



### Your Benefits:

- Low fuel consumption, ideal for partial loads
- Quiet and low-vibration
- Exact temperature management through precise control
- Long defrosting cycles and high heat output for rapid defrosting
- Long maintenance intervals



The intelligent partial-load control in the refrigeration unit minimises temperature fluctuations. An even, precise cooling output is also guaranteed in MultiTemp mode for all temperature zones.



Energy savings by up to 50% fewer defrosting cycles. The cooling ribs are arranged offset to each other. This slows down the freezing process, saving fuel and protecting the refrigeration chain.



The control panel on the refrigeration unit can be used to configure all the important settings for the transport and view the current status in 17 European languages. PIN encryption to combat unauthorised access.

\* Based on the previous generation of the Schmitz Cargobull refrigeration unit.

\*\* The EU Emission Standard Stage V comes into force on 01.01.2019.



## Additional Roof-Mounted Evaporator for MultiTemp Operation

Full height, half width: the Schmitz Cargobull roof evaporator is the industry benchmark when it comes to efficiently combining power with a compact design.

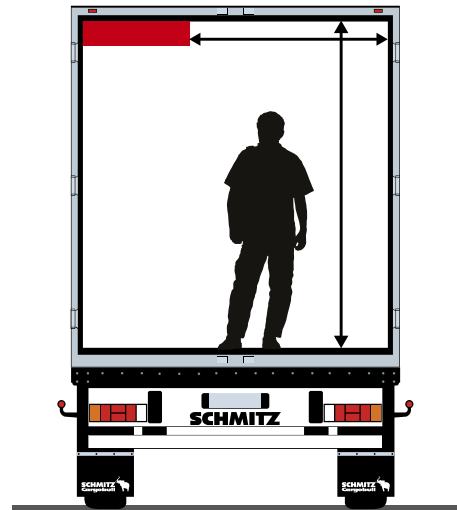
Thanks to its performance, only one evaporator is needed for the second temperature zone. Its shallow dimensions provide greater loading height under the unit. As over half the vehicle width always remains free, you benefit from the full loading height for fast and reliable handling when loading with forklift trucks.



Secure and efficient transport with two separate temperature zones. Precise temperature control in a deep-freeze down to  $-20^{\circ}\text{C}$  and up to  $+10^{\circ}\text{C}$ .



Compact, high-performance additional roof evaporator for twin chamber operation with chrome-plated cage guard to prevent external damage when loading.



The compact additional roof evaporator leaves you more space for loading.



All refrigeration units at a glance: Schmitz Cargobull Service Head Office monitors customers' refrigeration units to make sure that they are working properly.



Shorter maintenance times: when the trailer arrives, the workshop already knows the diagnosis and has the spare parts ready for the refrigeration unit.



Easy to repair and cost-effective: the modular construction of the refrigeration unit speeds up repairs and simplifies maintenance.

## Proactive Monitoring

Your trailer only delivers a profit when it's out on the road. Downtime for service and maintenance therefore need to be kept to a minimum.

Maintenance or repairs planned in advance help by reducing the time spent in the workshop. All of this is made possible by centrally monitoring the equipment functions of all transport refrigeration units and additional roof evaporators at Schmitz Cargobull Service Head Office. Service Partners receive all the necessary information in advance so that they can order in spare parts and schedule any visits to the workshop.



Further information can be found in the **S.CU Refrigeration Unit Semi-trailer brochure**.

## EXECUTIVE Package

The EXECUTIVE package is the universal solution for temperature-controlled transport. It combines the Schmitz Cargobull S.CU transport refrigeration unit with a high-quality package of equipment, a comprehensive Full Service offering for all components plus the proactive monitoring. The Full Service contract covers all of the necessary maintenance, inspections and wear repairs. Central monitoring of the functions by the Schmitz Cargobull Service Head Office reduces downtime. The workshop receives all of the necessary information in advance and can order spare parts and plan the work ahead of time.



### Components of the EXECUTIVE package

- Premium S.CU transport refrigeration unit, optionally also available for Schmitz Cargobull MultiTemp.
- Full Service refrigeration unit
- Financing\*



### Full Service refrigeration unit

Proactive monitoring, coordination of workshop visits, maintenance, inspections, replacement of all wear parts. Covers service and maintenance costs. The modular construction of the refrigeration unit speeds up the repair and maintenance process.



### Financing\*

Competitive monthly rates, including all service components that take into account the improved retained value of the trailer. Tailored contracts with customised terms.

## Your Plus in the EXECUTIVE PLUS Package:



## EXECUTIVE PLUS Package

The EXECUTIVE PLUS package complements the EXECUTIVE package with high-quality additional equipment, comprehensive sensors and additional Full Service modules. This comprehensive transport solution improves efficiency thanks to a lower TCO (total cost of ownership) with full cost control, guaranteeing improved availability and better value retention throughout the trailer's entire service life.

### Additional components of the EXECUTIVE PLUS package

- Compression roller bumper (DRP) to protect the rear
- Premium brand-name manufacturers' tyres
- Tyre pressure monitoring system
- Fill level sensor in the fuel tank with LED tank display on the bulk head
- Door contact switch
- Coupling sensor
- Full Service trailer
- Full Service tyres



### Full Service trailer

Assumption of maintenance and service costs, replacement of all wear parts at more than 1,700 Service Partners. Includes a Europe-wide breakdown service with payment guarantee and processing by Schmitz Cargobull. The contract comes with unlimited mileage.



### Full Service tyres

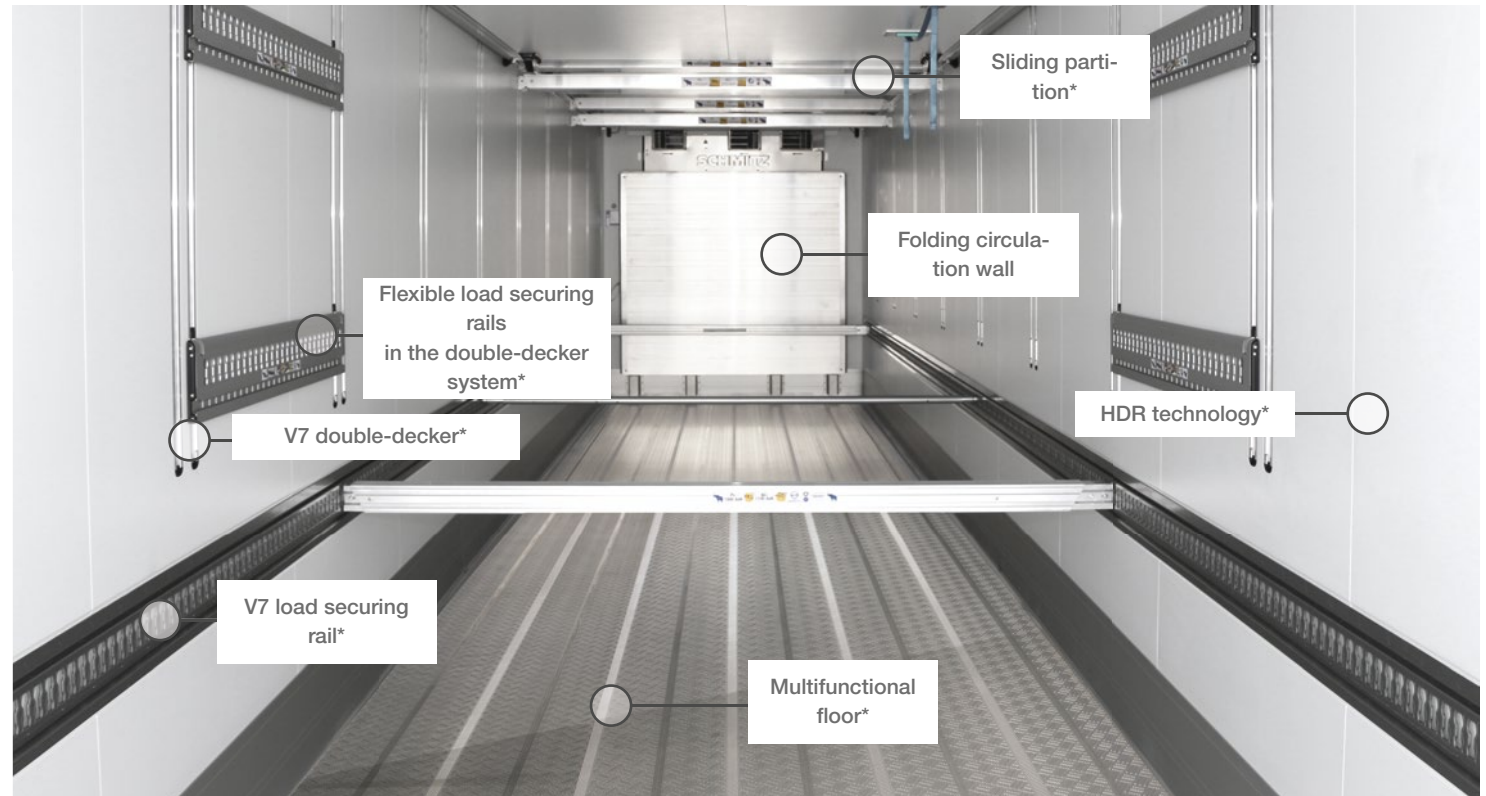
New premium brand tyres, tailored to your needs, whether local or long-distance transport, with more than 2,500 Service Partners across Europe. The EXECUTIVE PLUS package fully covers all replacement costs for worn tyres and flat tyres.

## Interior

Exemplary cleanliness, hygiene and safety are the top quality criteria for temperature-controlled freight. The interior of the S.KO COOL SMART box semi-trailer is precisely tailored to these needs.

The bright, flat surfaces make hygienic transport easier. Smooth transitions between the wall, floor pan, scuff rails and double-decker rails enable easy, residue-free cleaning and minimise the risk of injury and damage.

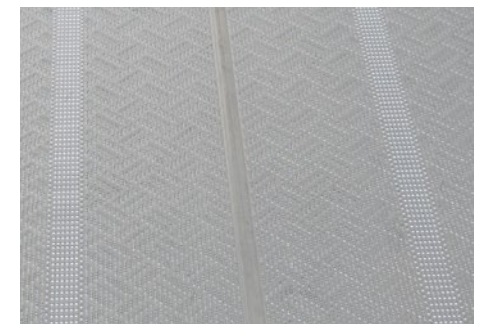
Of course, the S.KO COOL SMART is also certified for the ATP FRC class by TÜV Süd and Germanischer Lloyd. Trailers that have to meet the high standards needed to transport cargo for the pharmaceuticals industry are certified by Pharnaserv.



More light: energy-saving LED lights and white surface layers provide for a bright working area.



The scuff rail is welded to the floor pan. As the pan is flush with the wall, you retain the full loading width of 2,460 mm.



Profiles in the floor permit force-locking vertical load securing and are extremely simple to clean.

\* Optional equipment. HDR technology cannot be combined with all options.

## Temperature Management in the Body

The quality of your transport services is related to the quality of the air circulation in the box body. The S.KO COOL SMART box semi-trailer offers you an even climate throughout the entire length of the trailer interior in accordance with FRC standards.

Three flexible cooling channels underneath the roof make sure that the cool air is distributed evenly. When using the mobile partition, their length can be adjusted with zips. A cooling tarpaulin is also optionally available for MonoTemp use.



### Exemplary Hygiene

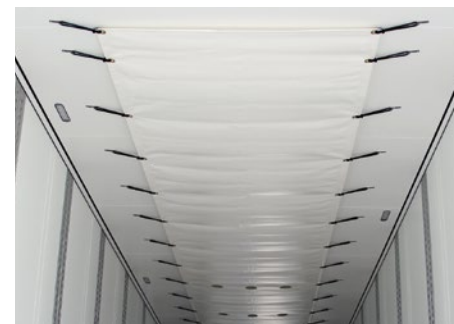
The circulation wall ensures continuous air circulation. Distance profiles and a pallet stop protect the bulkhead and the refrigeration unit from damage. The pivoting version\* speeds up cleaning as it can be folded to the side with a handle.



Aluminium air circulation profiles on the bulkhead prevent the air from being cut off to the refrigeration unit during loading.



Uniformly cool: flexible cooling ducts for the distribution of cold air at roof level.



The loosely tensioned cooling tarpaulins under the roof evenly distribute the cold air.\*

\* Optional.

## MultiTemp with Partition

You need trailers with different temperature zones to transport different refrigerated products in a single trailer. MultiTemp equipment increases the efficiency of refrigerated trailers, as each chamber can be set to exactly the right temperature for the freight being carried.

Dividing the interior of an S.KO COOL box semi-trailer is easy with the proven partition system. Having the refrigerant lines embedded in foam in the roof means that the interior remains fully usable, the K-value is increased, and it is almost impossible to damage the refrigerant lines.

With its mobile, pivoting partition, your trailer becomes a flexible MultiTemp transporter. Precise seals ensure a different temperature is maintained in each of the two zones. The optimised compression spring calibration and a central locking indicator make the partition simple and quick to handle.



Movable partitions create multiple separate temperature zones. They can be moved longitudinally within the trailer to create a flexible interior layout.



Coordination of weight and spring forces has been optimised for safer and simpler operation of the separating wall.



Rubber lips that can be extended to the side and downwards reliably separate the mobile partition when locking and prevent cold bridges.



The longitudinally adjustable strip curtain minimises cooling air loss on the rear door.

### Your Service Benefits:



**Full-service contract to enhance your equipment**

## Your Benefits:

- 35% longer service life compared to the standard floor
- 7% more non-slip than the conventional barley grain floor to increase safety at work
- 8% lighter than a traditional barley grain floor
- Force-locking load securing with vertical telescopic beams in five calendered long rows
- Fast cleaning to comply with hygiene standards



The new multifunctional floor stands out with its longer service life resulting from its special profile.

## New Multifunctional Floor

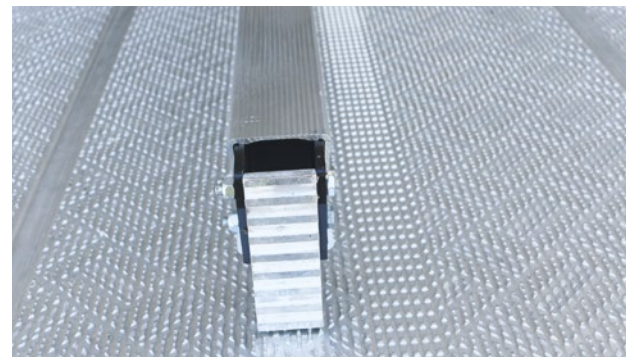
The multifunctional floor combines high-quality design with excellent efficiency. It is lighter than a traditional barley grain floor, but also has a longer service life thanks to low levels of wear. The latest manufacturing processes, such as friction stir welding for seamless aluminium welding seams, provide the base for the perfect interior.

The multifunctional floor is TÜV-certified and provides the optimum coefficient of friction (in accordance with VDI 2700) for securing palletted goods and wire baskets. The end-to-end flat structure enables containers, pallets and other load carriers to be moved with ease. At the same time, the new structure reduces the formation of ice, improving safety at work with a slip resistance rating of R12 in accordance with DIN 51130.

Load securing profiles fixed into the floor speed up the fitting of vertical clamping beams, as well as providing increased security with flush-mounted locks for the beams in the floor and roof. The optimum arrangement of the structured profiles in five rows reduces the number of beams needed.



The Taber test uses a rotating, abrasive roller to test wear resistance.



The clamping beam foot sits flush in the end-to-end grid profile of the floor and is optimised for increased load capacity.



Vertical telescopic beams for load securing on the multifunctional floor.

## Load Securing

To ensure the horizontal load securing of non-palletised freight, new horizontal grid rails can now be used at any required height with fixed, end-to-end load securing rails or in the double-decker system – and stacked on top of one another if need be. The double-decker system retains maximum variability in height adjustment and almost every point in the body can be secured. The fixed flush uninterrupted installation creates a narrower perforated pattern, maximum loading width, fast hygiene and ease of handling of load securing beams and telescopic beams.

Specially developed telescopic beams provide vertical load securing, which can be form-locked into the grid profile of the multifunctional floor.



### Your Benefits:

- **Flexible use of horizontal securing beams with variable load securing rails: these can be positioned anywhere in the double-decker rails and are ideal for securing non-palletised freight.**
- **All of the load securing beams, including the double-decker beams, can be used in the various holes in the variable load securing rails.**



The flush mounted V7 load securing rails allow the load securing beams to be positioned anywhere throughout the length of the trailer.



Vertical telescopic beams can also be installed as horizontal beams in the special profile of the V7 load securing rails.



For vertical load securing, there are telescopic beams with special feet for the multifunctional floor.



Due to the minimal thickness of 22 mm, the loading width is only marginally reduced when the variable rails are used.



## Your Benefits:

- Approx. 40 kg weight saving over the existing system.
- The newly designed end fittings for the beams make them easier to adjust and secure.
- TÜV-certified load securing system with the double-decker system: The cargo can be form-locked using three beams with 9,000 daN. This also applies to a second bulkhead to improve load distribution in the trailer.



## Double-Decker Equipment

Ideal for non-stackable goods: the double-decker loading system provides for end-to-end loading on two height-adjustable levels. Transport up to 66 Euro pallets instead of 33.

1,000 kg load bearing capacity per beam with 8 kg empty weight: the payload thus remains virtually unchanged.

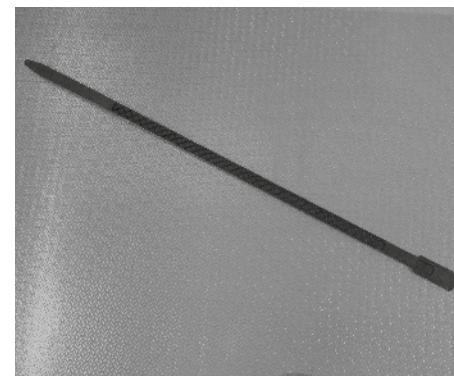
Simple operation: the beams are infinitely adjustable and can be fitted by just one person with ease. They are quickly locked under the roof for high pallets – with space for the ventilation ducts.



All key data on the capacity and durability of the load securing system at a glance – markings on each beam.



The newly developed grid rails in the current V7 double-decker system simplify handling and cleaning.



You can use the plastic positioning aid to release or secure the beams, even when working overhead.



Special lashing straps can be inserted into the double-decker rails.

## Safety for Your Freight and Trailer

The SL3\* safety system with electronic locking protects valuable and sensitive freight. It prevents unauthorised access or theft and only opens to authorised personnel (e.g. freight agents or drivers). Together with the TrailerConnect® telematics system, this permits end-to-end tracking of the transported goods. Geofencing permits door locking to remain activated when the trailer is out on the road. It is only released upon arrival at its destination.

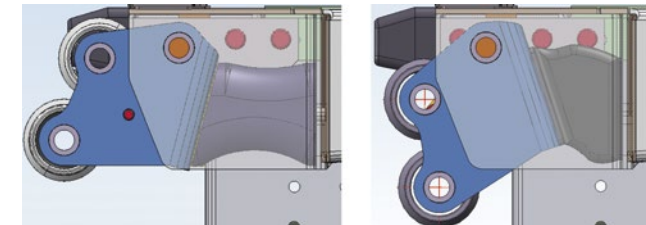
The electronic ramp approach system provides support when approaching the ramp and the DRP system protects the body from sharp impacts against the edge of the ramp.



The DRP roller bumpers protect the body if your trailer's loading edge hits the ramp during manoeuvring.



Made of tough stuff: The Dynamic Ramp Protection system (DRP system) absorbs a huge amount of energy with a dual shock absorber unit.




The third-generation DRP system combines softer damping from a longer spring travel with a weight reduction of 56 kg. The modular body simplifies repairs.



Different font size compared with other photos on this page.



The side marking light with its flashing function is available as additional protection for cyclists and pedestrians.



### TailGUARDlight™\*\*

#### The Electronic Ramp Approach Aid

The ramp approach aid provides the driver with information about the remaining manoeuvring room behind the trailer when reversing by emitting visual and acoustic signals. TailGUARDlight™\* automatically brakes the trailer when it reaches the ramp.

\* Optional.

\*\* Optional equipment. TailGUARDlight™ is a registered trademark of WABCO Fahrzeugssysteme GmbH.



Rail transport of part units: loading onto trains is safe due to robust gripping edges and reinforced stainless steel scuff plates. Special splitters protect the ROTOS running gear from damage to the air suspension. More information in the ROTOS brochure.



For train loading on pocket wagons: folding underride guard.



The box body is protected by stainless steel scuff plates over the gripping edges.



A guard frame can protect the refrigeration unit from what can often be rough treatment in ferry transport.



Landing gear with ferry lashings and storage compartment for the securing wedge.



Ferry lashings and support stand mountings for S.KO EXPRESS trailers in ferry transport.

## Multi-Talented in Multi-Modal Transport

The S.KO COOL box semi-trailer is perfectly equipped for quick, damage-free loading onto trains with its self-supporting body. Robust gripping edges, a folding underride guard and adapted running gear are ideal for ensuring that refrigeration units are distributed safely in inter-modal transport.

The S.KO COOL also reveals its strength in short sea crossings: it can cope with hitching and unhitching with terminal tractors, low overhead heights, steep ramps and closely parked trailers on board with ease.

### Your Service Benefits:



**Insurance for trucking and stand-alone trailers as well**

## Certified for Pharmaceutical Logistics

High safety standards need to be fulfilled when transporting raw materials or finished products for the pharmaceutical industry. Our Pharmaceutical package, certified by Pharmserv\*, is the simplest way to qualify yourself for these transport tasks. It includes all the relevant equipment and features for an S.KO COOL SMART in pharmaceutical logistics.

The information needed to control the powerful refrigeration unit, e.g. the Schmitz Cargobull S.CU transport refrigeration unit, comes from two sensors for MonoTemp or four sensors for MultiTemp operation, calibrated to industry standards. A temperature recorder, such as the digital TrailerConnect Interface (TCI), documents the temperature change. Other available options include the folding circulation wall for easier, faster cleaning, partition and double-decker fittings and load securing rails for efficient, safe transportation.

### Your Service Benefits:



**Financing including services such as Full Service and telematics**



**Telematics hardware fitted ex-factory: get started straight away with TrailerConnect®**



Up to four certified temperature sensors monitor the interior with each one calibrated individually for each trailer.

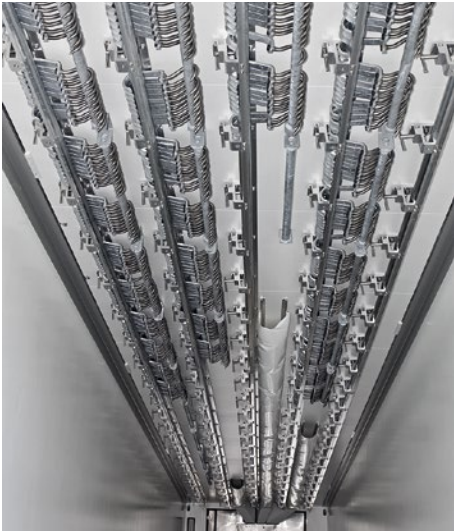


The TrailerConnect® telematics system enables the refrigeration chain to be monitored closely in part units used in multi-modal transport.



Certification for transporting pharmaceutical goods plus TrailerConnect® telematics system to monitor the refrigerated chain in real time.

\* Pharmserv GmbH & Co. KG, Marburg, a consulting and service company for hygiene-sensitive sectors.



Euro meat rack comprises five galvanized 60 mm thick tubular rails with a hook stop lock system and a parking rail for empty hooks.



Special version on request: meat hanging system designed as a bi-rail system for use in the West European economic region. The roof and side walls of the FERROPLAST® box body are specially reinforced and can bear a weight of up to 24t across the whole of the roof area if the load is evenly spaced.

## Customised Industry Solutions

Extraordinary tasks require extraordinary features. We offer an extensive range of accessories and intricate solutions for each industry. We also offer help with the configuration process – your personal Schmitz Cargobull advisor would be happy to help.

Your Benefit: Conveniently design your dream trailer from the extensive range of equipment and accessories – without the need for disruptive retrofits.



The heavy duty running gear maximises the retained value of the trailer on poor quality roads and in extreme winter conditions.



The ideal width for loading flowers: the S.KO COOL provides crucial space in the interior and a sophisticated load securing method for roller trolleys.

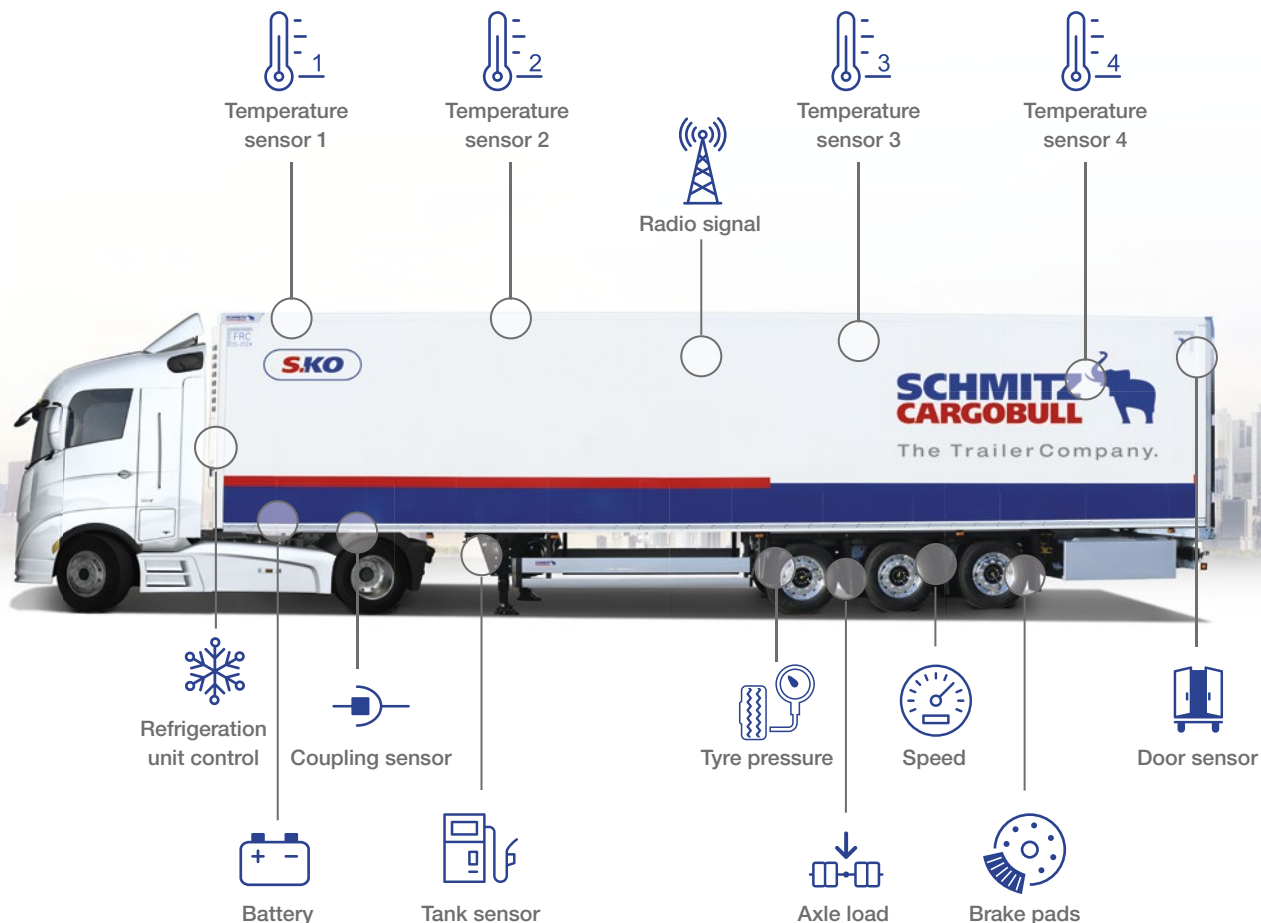


For loading and unloading at ground level: fold-under tail lift.\*

\* Optional.

# SmartTrailer with TrailerConnect®

SmartTrailer represents a milestone for the transparency and availability of digital trailer data in logistics. The data is collected centrally from the sensor-monitored technical components in an integrated sensor architecture, built around the TrailerConnect® telematics system. This is combined with location, trip data and transport conditions. TrailerConnect® documents your cooling data end to end. The trailer telematics system records the temperature data in real time, which can then be accessed and archived at any time. The intact refrigeration chain is reliably digitally documented end to end. You are able to provide information about the status of the transported goods to your customers at any time.



### Your Service Benefits:



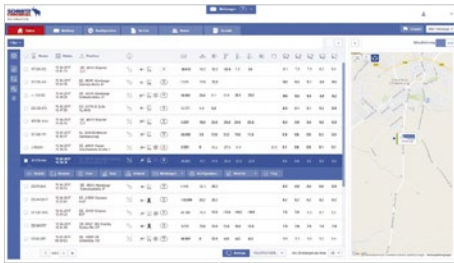
**Telematics hardware fitted ex-factory**  
**Get started straight away with TrailerConnect®**



Please refer to the TrailerConnect® telematics brochure for further information.

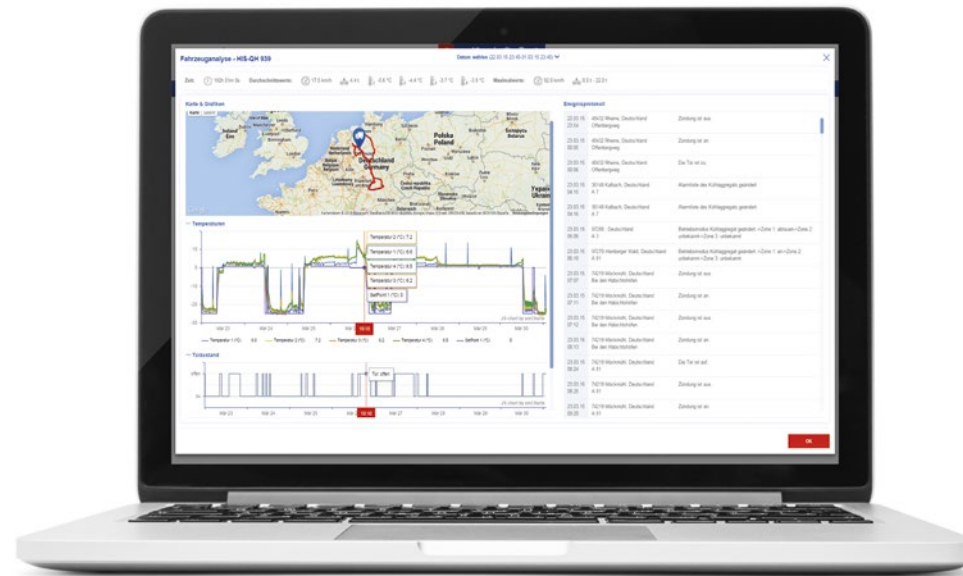
**Reliable monitoring:** multiple sensors and a temperature recorder measure and document proof of an uninterrupted refrigeration chain. The TrailerConnect Interface (TCI) digital temperature recorder provides connection to the trailer telematics system.

TrailerConnect® simultaneously monitors key parameters in the refrigeration unit and trailer technology. The operating hours in the refrigeration unit are also recorded, along with the mileage and running gear statuses.



### The status overview

- All the latest key trailer data at a glance, including map section
- Use of trailer groups and filter sets for demand-led views
- Go directly to the function and analysis you need in a couple of clicks



### TrailerConnect® control unit

- Robust: all components are firmly soldered to the PCB and comply with the exacting IPK67 industry standard
- Cost-saving: the integrated, certified temperature recorder function (DIN EN 12830) eliminates the need for conventional temperature recorders
- Incorruptible: the permanently built-in motion sensor reacts to every movement of the trailer
- Precise: processes data from intelligent components and sensors in a coherent network in the trailer
- Smart: with built-in WiFi module for connection to the beSmart app



## TrailerConnect® Portal 2.0

Experience your transport live. The TrailerConnect® portal 2.0 precisely provides the status of your trailer and freight at a glance: real-time data, events, messages or location information. All the values are comprehensively visualised or can be filtered. PDF and Excel reports are available.

## beSmart – your New Trailer & Cargo Manager

Raising the benchmark in trailer telematics. Schmitz Cargobull makes this claim with its TrailerConnect® product range. Continuously monitor the status of your trailer, using the beSmart app and react quickly, should you need to. An integrated WiFi module in your trailer provides communication between the telematics control unit and smartphone.

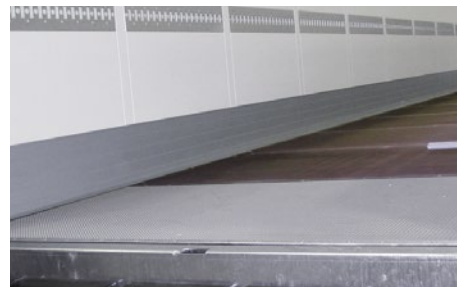
## S.KO EXPRESS

Rising demand for internet delivery, courier express services or high-quality electrical appliances – goods demanding secure handling are perfectly stored in the S.KO EXPRESS box semi-trailer. The box body with a two-wing portal or a roller shutter protects your freight against unauthorised access much more effectively than a tarpaulin. The side walls are made of weight-optimised FERROPLAST® panels. A continuous, galvanised, bolted steel chassis ensures stability.

Together with our TrailerConnect® telematics system, they optimise the secure transport of freight in the S.KO EXPRESS. So you can react quickly in the event of loss or misuse. The trailer telematics system ensures the continuous monitoring of the trailer's current location by you or your security service provider. Geofencing registers and reports any deviations from the planned route. And door contact sensors alert you if the trailer is opened illegally.



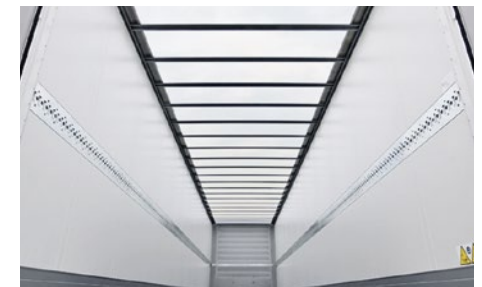
Reinforced bulkhead with a wooden plate and raised steel edge.



An additional floor plate at the rear portal minimises wear during loading for an even longer service life.\*



Double-decker system for 67 pallet spaces. Each support beam can bear up to 1,000 kg (see page 19).



Full-length light roof for the best possible working conditions.\*

\* Optional.



# S.KO EXPRESS with 100 m<sup>3</sup>

The S.KO FP 25 EXPRESS MEGA is the ideal model for large-volume freight. The body features an interior height of 2,950 mm, which provides greater clearance in the cargo area, and enables more freight to be carried. This is due to the weight-optimised side walls made of FERROPLAST® panels, only 30 mm thick. As the running gear is only one metre high, the trailer does not exceed the mandatory overall height of 4 m. With its low chassis design, this model fulfils all the requirements of high transport volume together with greater security requirements, as it is far more effectively protected against unauthorised access.

### Your Service Benefits:

 **Monitor your freight with TrailerConnect® (geofencing)**

### Your Benefits:

- Also available as a MEGA trailer with a 2,950 mm interior height
- Modular system for cost-efficient, application-specific trailer equipment
- Optimum equipment for CEP services with roller shutter, light roof and tail lift
- TrailerConnect® telematics with geofencing monitors the freight and trailer, protecting them against theft and misuse
- Long service life and retained value of your trailer
- FERROPLAST® body reliably protects the freight against weathering and minimises the risk of theft
- Age-resistant and vapour diffusion-tight body. No water penetration. The payload does not decrease over the service life of the trailer
- Damage-free transport due to smooth surfaces inside the trailer. Double-decker and load securing equipment is recessed



Spring-assisted or electric: a roller shutter lets you open the load compartment from the closed ramp.\*



Full-length MODULOS chassis. 10 year warranty against rust-through.



Additional load securing system in the cargo area: Lashing rings for tying down bulk goods.



The additional longitudinal beams on the rear for greater stacker axle load.

\* Optional.

# ROTOS DriveTechnology

Our ROTOS axle units are manufactured exclusively from components from reputable brand-name manufacturers. They combine a high level of availability with minimal wear, and fast maintenance with excellent brake stability in continuous use. The extremely low-vibration axle with friction-welded axle hubs is perfectly aligned for straight driving at the assembly stage.

## MRH pneumatic suspension

The best road contact in every situation: MRH (MultiRide height) pneumatic suspension protects the load and trailer, enabling the loading height of your trailer to adapt automatically to different ramp heights.

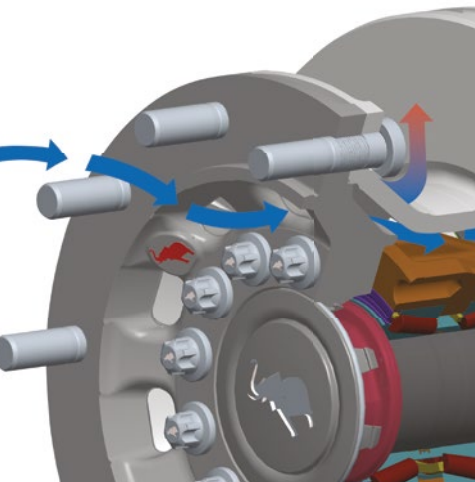


Please refer to the ROTOS running gear brochure for further information.



See the video at YouTube. ROTOS. The running gear.

Innovative ventilation system: air in the axle hub is drawn in from the outside past the hub and directed both onto and into the brake disc, cooling the brakes and wheel bearings. Your Benefit: The brake performance remains reliable, even during constant operation, and the brake pads last longer.



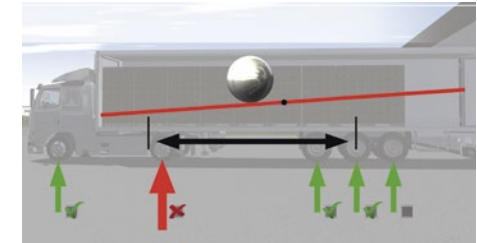
22.5" axle hub: 430mm diameter brake disc for maximum performance on standard and HD running gear



19.5" axle hub: 370 millimetre diameter brake disc for weight optimisation and low cross-section tyres\*\*

ROTOS running gear is equipped with MRH pneumatic suspension as a standard feature

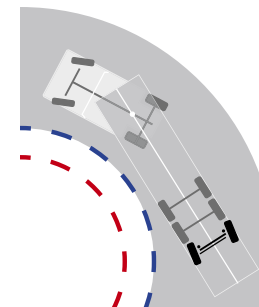
Running gear  
Warranty  
1,000,000 km  
or 6 years\*



The centre of gravity changes for partial loads at the rear, moving forward and increasing the trailer load. The shifting of the centre of gravity can be balanced out to avoid exceeding the permissible load on the drive axle of the tractor unit: load is removed from the rear axle of the trailer through LSP (Load Spread Program).

## Your Benefits:

- Less heat generation results in greater brake performance
- Maintenance-free wheel bearings save costs
- Lower weight of the unsprung mass gives better trailer handling
- The ability to adjust the trailer height to loading ramps provides greater flexibility
- Standard driver assistance systems improve safety



ROTOS running gear with self-steering axle as the third axle increases the manoeuvrability of the tractor at full payload.

## MODULOS The Short Chassis

The glue-jointed body design of our FER-ROPLAST® box body is self-supporting and exceptionally warp-resistant. That's why the S.KO COOL only requires a short chassis. This permits a higher body height, as the box body sits directly on the tractor unit. You get improved insulation combined with maximum interior height.

The bolted, detachable connections enable the chassis components to be easily and inexpensively replaced. Corrosion protection remains intact due to galvanisation of the individual components. This simplifies maintenance and reduces repair costs.



Quality in one piece: once the component has been formed, it is dipped into a galvanising bath. This galvanising process ensures that the edges and hollow spaces are just as well protected as the large outer surfaces.

RODOS DriveTechnology to help you drive perfectly straight

Warranty 10 year warranty against rust-through

**MODULOS**

**Reinforced corners with diagonal struts for body protection**

**MRH air suspension with auto-reset function**

**Galvanised, bolted frame with corrosion protection**

Self-healing properties: unlike paintwork, zinc provides active corrosion protection with smaller areas of damage. Electrolytic processes effectively prevent the metal from rusting through.

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**SCHMITZ**  
**CARGOBULL**   
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Find out more at:  
[www.cargobull.com](http://www.cargobull.com)



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s.KO-COOL-BRO-DEGB-9211-2518 We reserve the right to make changes. Some illustrations show special equipment.