



# Carriers – Modular design

All Hüffermann carriers with  
equipment packages and accessories

# Modular design

The Hüffermann modular system, excels in every sphere.

The Hüffermann modular construction offers two key advantages: individual design, which is tailored exactly to your requirements and high-quality production – 100% “Made

in Germany” guaranteed. Hüffermann only uses first-class vehicle components from renowned manufacturers, so their durability pays off over the course of their service life.

**Skip container**  
**Roller containers**  
**Multifunction**

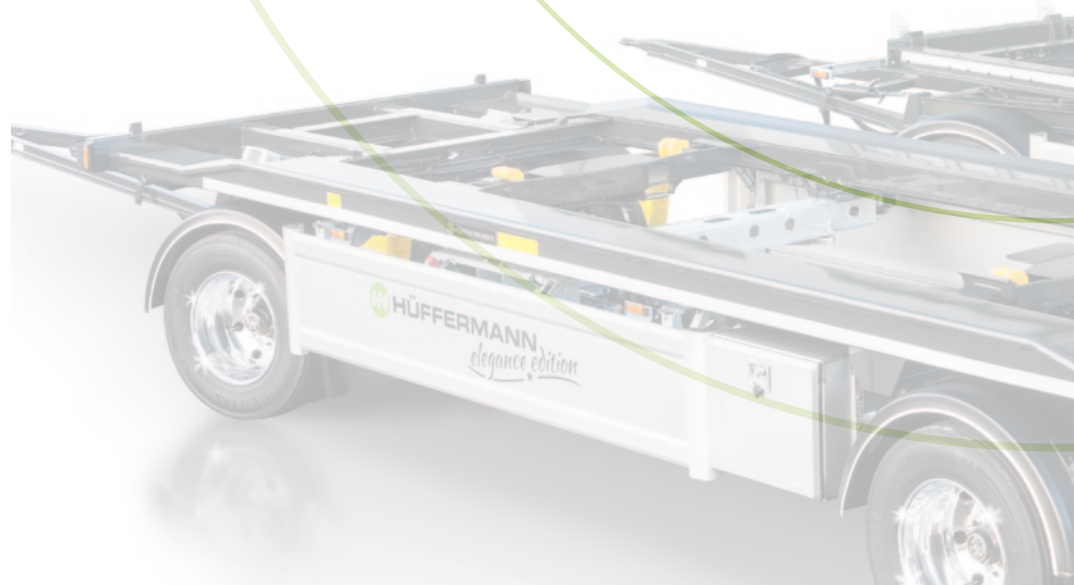
**Equipment**  
**Machine-sandblasted**  
**Arc galvanised coating**  
**Individually painted**



**Trailer versions**



**Quality**






**Chassis  
versions**

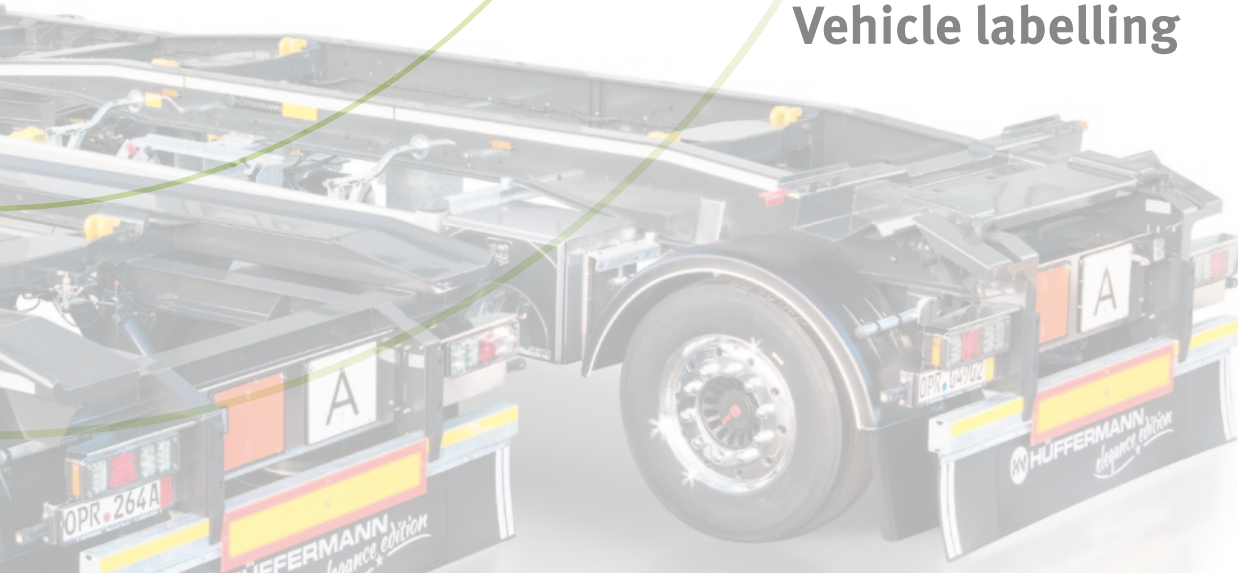
**Accessories**



**Regional  
container service**  
**Long distance  
container transport**



**Storage areas**  
**Lighting systems**  
**Brake systems**  
**Hitches**  
**Vehicle labelling**





## Roll carrier

The trailer for roller container transport, from the Huffermann modular system, excels in every sphere.

The roll carrier is a transport trailer for roller containers according to DIN 30722. It is available in different lengths with chassis from the modular system. Available as a tippable version as well as with a central axis design.



HARK version - tippable



## Roll carrier export

Adapted version for use in export markets.



The roll carrier can be adapted to other container standards, 3-axle versions with up to 30 t total weight can be represented with chassis from the modular system. Also available as a tippable version.



HARK version - tippable



## Skid carrier

The payload-optimised and versatile container transport trailer.

The skid carrier is a transport trailer for roller containers according to DIN 30722. It is available in different lengths with chassis from the modular system. Available with a central axis design.



## Skid carrier export

Universal solutions for many container standards.



The skid carrier can be adapted to different market requirements, 2 to 5-axle versions with up to 42 t total weight can be represented with chassis from the modular system. Tippable versions are also available.



## Vario Carrier

The robust and payload-optimised trailer for skip containers.

The Vario Carrier is a transport trailer for skip containers according to DIN 30720/30720-1. Available for one or two containers with chassis from the modular system and with different load securing systems.



## Mini Carrier

The compact and manoeuvrable skip container trailer for the city.

The Mini Carrier is a transport trailer for one skip container according to DIN 30720/30720-1 with central axis design. Available in different length and weight versions and with different load securing systems. It is specially designed for use on construction sites and in the disposal sector for short haul applications in the city.

The Mini Carrier packs a giant payload, is quickly hitched, and rolls with low fuel requirements.





## Flex Carrier

The flexible trailer for roller and skip containers.



The Flex Carrier is a transport trailer for roller containers according to DIN 30722 and skip containers according to DIN 30720/30720-1. Available with different chassis from the modular system and different load securing systems.



Three-axle version with floor



Two-axle version for Welaki troughs

## Multi Carrier

The multi-talent among trailers



The multifunction trailer is a combination of a low-loader and transportation for swap bodies, a true multifunction talent.

It performs countless tasks, and with its basic equipment, it can transport roller containers, palettes, lattice boxes, long material, timber, trees,



Central axis version



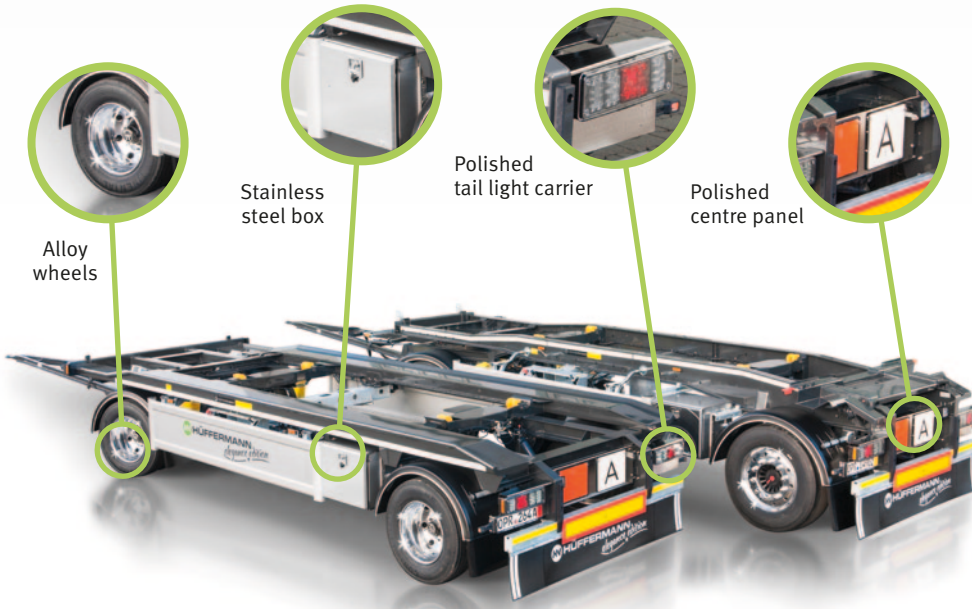
Three-axle version with post design

shrubby, cars, lorries, transporters, forklifts, mini-excavators, wheel loaders as well as excavators with rubber tyres, and much more.



## elegance edition

Hüffermann always provides proven quality, due to the high demands placed on each individual production step.



## elegance edition: Durable and retains value

The skid carrier can be supplied as either a two-axle or three-axle version, with an air-sprung, disc-braked chassis in the elegance edition.



### Your benefits

- + Fine design
- + Compact equipment package
- + Retains value
- + Durable

## blue line product line

The blue line product line is a technically balanced trailer concept that is specially designed for the transportation of roller containers.



"blue Line" edition skid carrier

## blue line skid carriers

- + With a proven design:  
Type: HSA 1870 / HSA 1865
- + Chassis: SAF Intradisc
- + Axle load: 9 t
- + Tyres: 265/70R19.5 – 8 wheels
- + Tyres: 385/55R22.5 – 4 wheels
- + Knorr or Wabco brake system
- + Storage compartment
- + Rear apron
- + Hella part LED lighting

### Options:

- + A-sign or GGVS (German Ordinance on Road Transport of Hazardous Materials)
- + Reversing light
- + Spare wheel
- + Arc galvanising
- + Rear space monitoring system
- + elegance edition

## MARATHON – Pure Hüffermann quality

The Marathon product line is a payload-optimised container transport concept and is therefore particularly suitable for long-distance transport under extreme operating conditions. Growing market

requirements in the recycling loop as well as ever greater distances between the recycling and recovery facilities increasingly demand payload-optimised and versatile roller container vehicles.

### Marathon: Durable and retains value

Hüffermann designers focus on the payload, durability and value stability. Hüffermann delivers the Marathon product line with disc-braked 9-ton chassis with twin or single tyres.



### Your benefits

- + Robust construction
- + High payload
- + Retains value
- + Especially for long-distance transport

## City Line

The Hüffermann Mini Carrier is a manoeuvrable payload giant for trough transport.

The trailer is specially designed for use in cities or in narrow loading yards. Depending on the application, the central axle trailer is supplied in two length versions for any trough size.



### Your benefits

- + Air-suspended chassis
- + Disc brakes
- + Storage compartment
- + Height-adjustable tow bar
- + "Multi-Fix" load securing without chains



## Chassis for container transport trailers

We create the optimal chassis for any application and for all international requirements.



### Selection criteria for the chassis details:

- + Load capacity
- + Overall height and track width
- + Roll resistance
- + Payload
- + Availability of spare parts

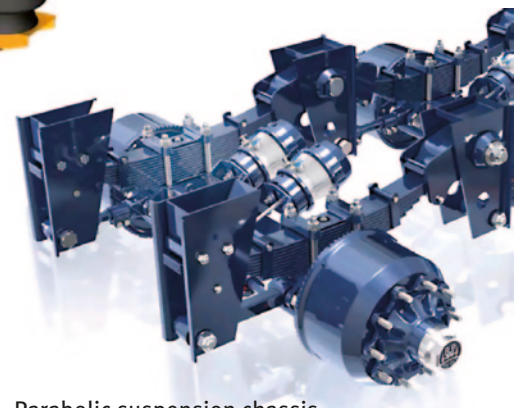
## Chassis versions

We offer suitably configured chassis that meet the application requirements. We only use axles from renowned manufacturers.

Air suspension chassis with disc brakes



Air suspension chassis with drum brakes

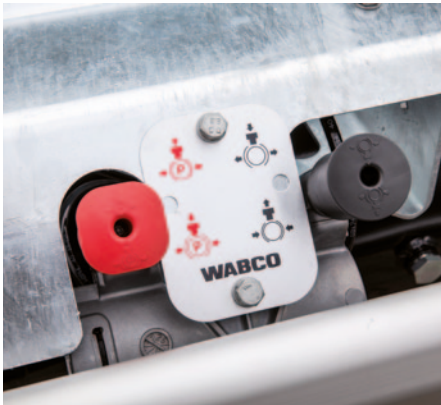


Parabolic suspension chassis with drum brakes



## WABCO brakes systems (EBS-E)

Electronic brake system for disc or drum brakes with ABS (anti-lock braking system) and ESC (electronic stability control).



Control unit on the trailer, installed on a galvanised bracket on the left in the direction of travel.

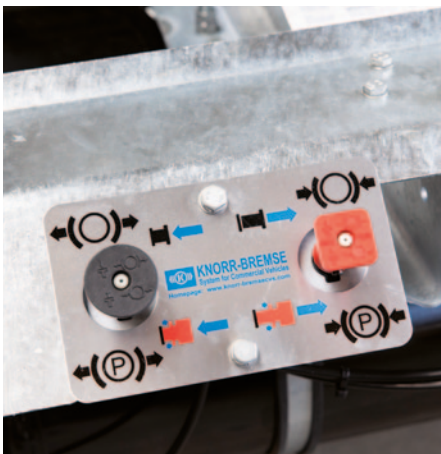
Option: External SmartBoard control unit to display the axle load and mileage, error code display and other optional functions such as brake pad wear display.



Option: Brake pad wear display

## Knorr brake systems (TEBS)

Electronic brake system for disc or drum brakes with ABS (anti-lock braking system) and RSP (roll stability program).



Control unit on the trailer, installed on a galvanised bracket on the left in the direction of travel.

Option: External TIM control unit to display the axle load and mileage, error code display and other optional functions such as brake pad wear display.



Option: Brake pad wear display

## Brake pad wear display

Enables monitoring of the pad thicknesses and systematic preventive service to minimise downtimes.



### Your benefits

- + Monitoring directly via the ABS warning light in the scope of delivery of the lorry or external display units.
- + Cost savings thanks to preventive service!
- + Greater safety!
- + Prevention of consequential damage!

## Side impact protection

Side collision protection consisting of two horizontal anodised aluminium profiles with fastening brackets that are rigidly

mounted or alternatively can be swivelled up with gas pressure absorbers.



SCP, painted



SCP painted in the colour of the chassis



SCP, anodised



SCP painted in the customer's colours



## Air suspension control

Depending on the application, the air-suspended chassis can be controlled. Automatically, manually via rotary vane or via programmable electronic controls.



Container transport trailers must be lowered during the loading procedure. This can be accomplished automatically when uncoupling the air hoses or alternatively when opening the lock.

With rotary vanes, the level of the front and rear axle can be controlled separately. This can be useful for certain applications, such as for loading low-loaders or when handling tank containers.



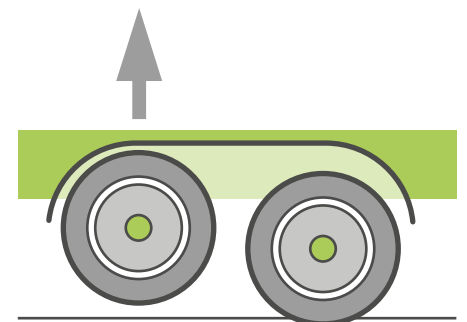
The electronic level control helps with activating programmed ride and loading heights, e.g. for loading on platforms.

## Lift axles for turntable drawbar trailers

Lift axles reduce tyre wear and fuel consumption. Lifting the first suspension axle produces more stable handling behaviour.



Using an optional switch on the trailer, the lift axle function can be switched on or off. It is also possible to lower the lift axle on a partially loaded or unloaded trailer by means of a signal from the tractor vehicle, e.g. to achieve a smaller turning radius when manoeuvring.



The lift axle is always lifted or lowered automatically depending on the weight.



## Storage areas

Storage compartments for the Hüffermann container transport trailer are functionally designed components.



The standard storage compartment in size 600 x 500 x 500 mm, made of galvanized sheet steel that is painted black, is equipped with a phenolic resin coated plywood shelf. The lid has a lockable twist lock and a peripheral seal

### Your benefits

- + Very robust
- + Durable
- + Replaceable

## Stainless steel storage areas

Made of stainless steel with high-quality workmanship, with inner peripheral seal, lockable twist lock.



For the container transport carrier, a stainless steel storage box in size 600 x 500 x 500 mm or 1000 x 500 x 500 mm is available in matt and polished versions.

For the Mini Carrier, a stainless steel storage box in size 500 x 380 x 450 mm is available in matt and polished versions.



For the Multi Carrier, a stainless steel storage box in size 975 x 390 x 390 mm or 1300 x 390 x 390 mm is available in matt and polished versions.



## Net storage areas

Storage area for nets on the container transport trailers.

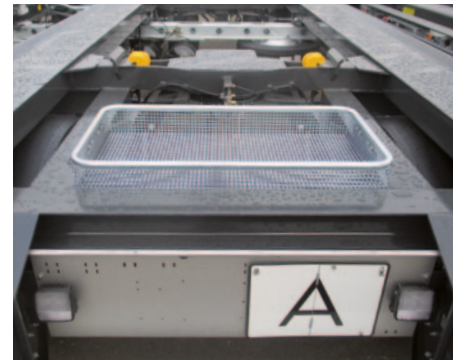


The storage area for nets in size 800 x 500 x 500 mm, made of galvanised sheet steel, meets the criteria for a side collision protection.

The proven, screwable storage area for nets in size 800 x 500 x 500 mm, made of galvanised sheet steel, can be installed on the chassis in the longitudinal direction or transverse to the direction of travel.



Storage areas for nets on the roll carrier or flex carrier in the rear area. The nets are secured with an elastic.



## Palette storage areas

Palette storage compartments for Hüffermann container transport trailers.



The palette storage compartments are made of galvanised and painted sheet steel and equipped with lids on both sides, which have a peripheral rubber seal and a lockable twist lock.

The standard version in size 2440 x 1300 x 400 mm is designed for six Euro pallets.

Other versions are available upon request.

## Hitch – Special designs

Hüffermann hitches are equipped with greaseable bearing bolts and silent block bearings.



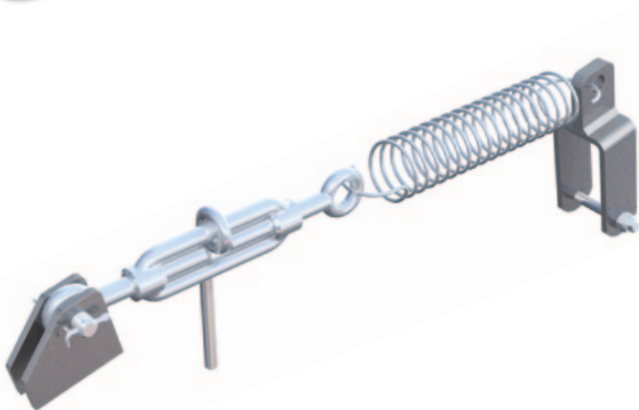
Lowerable hitch for front loading

The hitches can be individually selected according to the application.

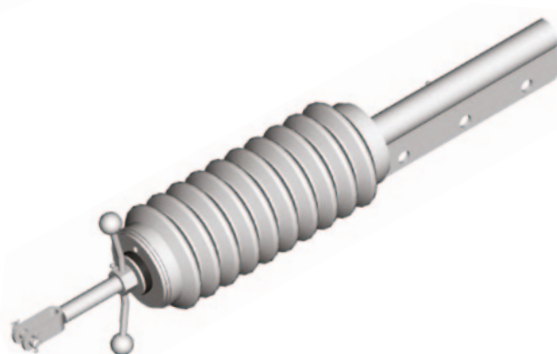
The hitches are available in different lengths in increments of 100 mm.

### Drawbar eye versions:

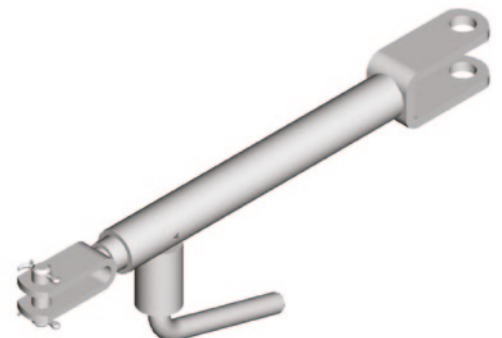
- 40 mm DIN 74054-A
- 50 mm DIN 74053 – A (EC)
- 40 mm CH standard
- 57 mm VBG standard



Drawbar height adjustment



Special design:  
Drawbar height adjustment



Special design:  
Drawbar locking device





Series production V-drawbar 26 t For twin tyres, with diagonally welded drawbar eye.



Special design:  
Y drawbar



Special design:  
Drawbar with adjustable length



Special design:  
Drawbar with adjustable length  
with offset tow bar.



Special design:  
Offset drawbar with adjustable  
length



Special design:  
Offset drawbar  
with 40/50 mm swivelling drawbar eye

## Vehicle labelling

The lights, license plate and warning signs are protected from collisions and functionally positioned.



Tail end of the trailer with ECE sign, waste and ADR sign



ADR sign with insertable digits



ADR sign for substance identification



ADR sign cover

## Vehicle labelling

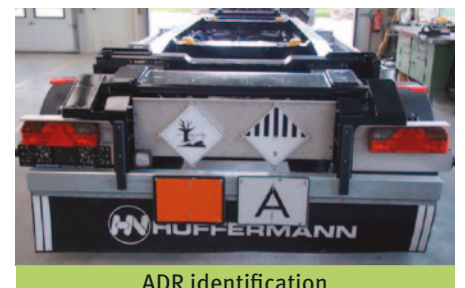
Other identification signs and fire extinguisher



Covered parking sign



Fire extinguisher



ADR identification



Parking sign



Fire extinguisher box



ADR identification

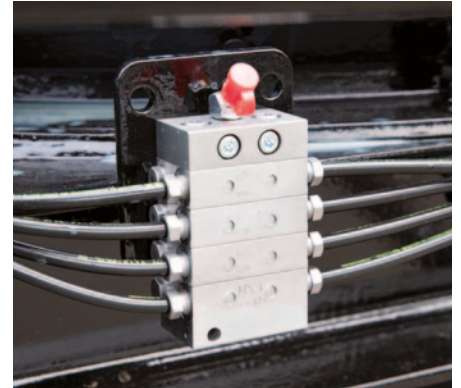


## Lubrication systems

Manual and automatic systems from different manufacturers to facilitate trailer maintenance



Automatic lubrication systems relieve the driver of regular lubrication of the relevant bearings.



Grease distributors at suitable positions supply even hard-to-access lubrication points, e.g. on the bogie, through a central grease nipple.

## Trailer accessories

Example for other accessories



Broom and shovel holder

Hüffermann offers many practical trailer accessories to reduce the workload and save time.



Document box

## Lighting

Lighting equipment with function lamps with LED technology, made by Hella



**Hella LED module lamp.** Except for the direction indicator, the entire lighting consists of energy-saving LED technology. Also available in full LED.

### Your benefits

- + Energy-efficient
- + Very robust
- + Durable
- + Replaceable

## Lighting

Auxiliary headlamp and tail light versions



LED reversing lights



LED work lights



Two additional LED reversing lights at the rear



LED lamp on the locking device



Three round LED tail lights



Additional brake light on the centre panel



## Lighting

Warning lights and periphery lighting



Trailer rear with protected tail lights, LED flashing lights in blue, work lights



Pluggable yellow rotating beacon at the rear.



LED periphery lighting



LED flashing lights

## "PS-Fix" parking light system

The independent lighting system for greater safety

The PS-Fix parking light system offers four functions, which can be switched on the parked vehicle with a battery capacity of approx. 48 hours. Parking light, warning flashing function, auxiliary lights, flash.



The pressure switches are illuminated with a light source

### Your benefits

- + Integration in the Hella lighting
- + Warning flashing function when parking
- + Battery capacity approx. 48 hours
- + Parking light when uncoupled



## Rear space monitoring system

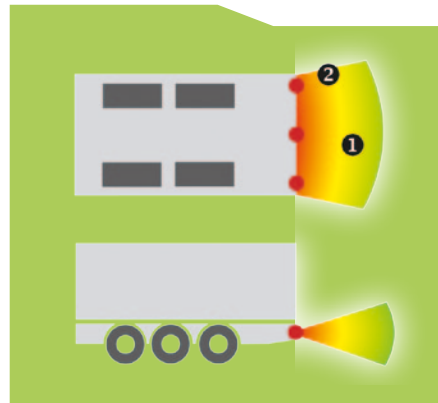


In tight manoeuvring areas, there are often collisions or hazards for people.

Rear area monitoring detects obstacles in the dark or in blind spots. Even small and moving objects behind the trailer vehicle are detected and displayed. In addition, the system stops the trailer automatically at a configurable distance.

### Sensor-controlled

With three sensors, you can monitor virtually the whole area behind your trailer. Objects that are not visible to the driver are detected, such as persons, cars or posts, a warning signal is issued and the system brakes the vehicle automatically.



### Full control

**Optional:** In addition to the control and operating units installed in the driver cab for the visual representation of the object distance, other functions can also be programmed. For example, the immobiliser, brake pad display, wear display, tyre pressure display or different ride heights.



## Camera systems

The image data is transmitted to the lorry display



The camera can be used at the rear of the vehicle



Can be used on the blue empty socket



Connection cable to the tractor vehicle

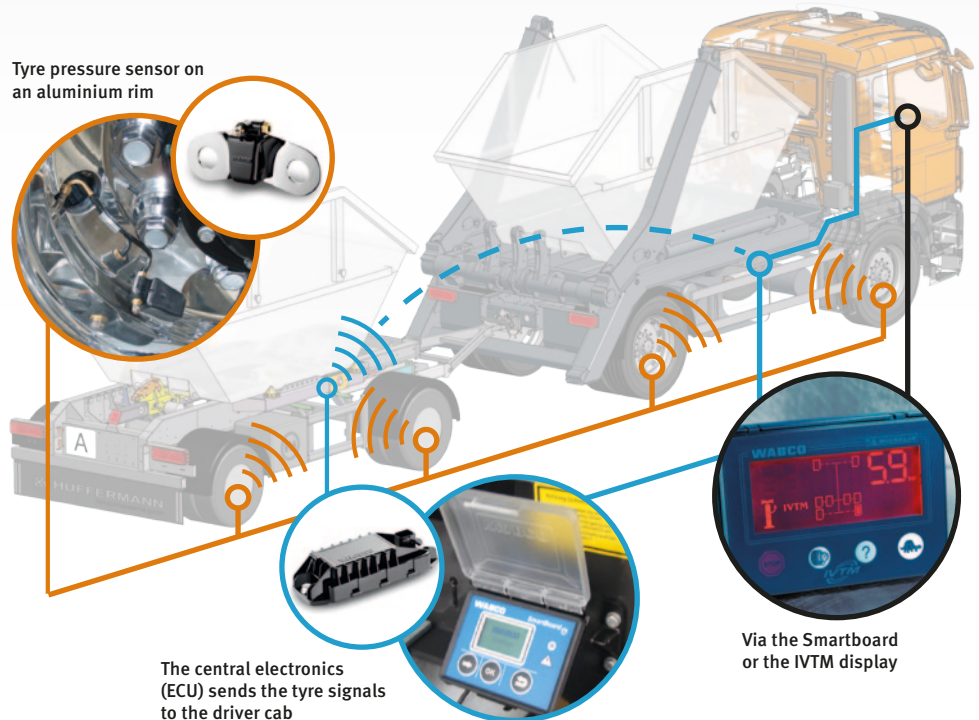


## WABCO tyre pressure monitoring system (IVTM™)

The WABCO tyre pressure monitoring system (IVTM™) is a simple and cost-effective retrofit solution, which reduces operating costs of the vehicle fleet and simultaneously increases vehicle safety. The driver is informed about the tyre pressure of all of the monitored wheels while driving.

### Your benefits

- + Fuel savings with the proper tyre pressure
- + Reduces downtimes
- + Minimises costs
- + Warning in case of tyre pressure loss
- + Safety
- + Query via the SmartBoard
- + Long-life batteries – up to nine years' service life



## Telematic systems for container transport trailers

Managing and monitoring vehicles to optimise transport processes and to reduce ongoing costs.



### Your benefits

- + Modular concepts
- + Expandable
- + Location determination
- + Proof of delivery
- + Loading and unloading check
- + Tyre pressure monitoring
- + EBS data analysis

# Load securing with lashing chains

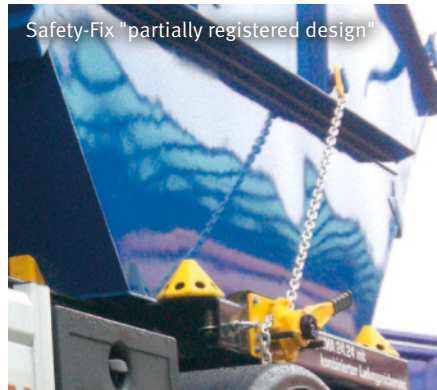
## Combined load securing

The skips are fastened on the Vario Carrier with combined load securing. The skips are secured against sliding in the direction of travel and to the sides with adjustable stops. Towards the rear, the containers are locked in place on the rear container mounting block with inclined lashing, at a lashing angle of 35° – 60°, with two tensioning chains.



## Safety-Fix

Safety-Fix is a time-saving load securing version as an alternative to lashing with tensioning chains and offers a huge time advantage when securing the containers.



## Centring fix

The centring is pulled out of its guide sleeve and positioned at the **desired container width** by turning. Spring force slides the centring into the desired centring position. Its 8-way adjustment option also allows you to set centring positions outside of standard container widths and comply with the maximum lateral play required by law.

## Your benefits

- + Easy handling

# Multi-Fix: Load securing without chains

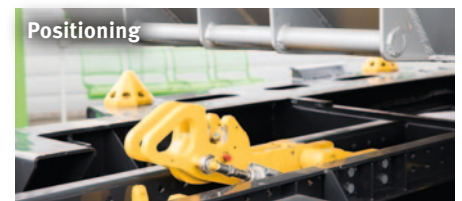
This securing system is a time-saving load securing system, which locks the skip containers on the tilt bearing according to DIN 30720 and 30720-1. The Multi-Fix

compensates for differences in dimension on slightly bent tilt bearings and is pressed in a neutral position when transporting roller containers.



Multi-Fix

## Time-saving





## Aluminium floor

The bolted aluminium floor sheet metal is 3–4 mm thick and rests on fitting cross frames.



Protects the valves and lines on the trailer when loading



Aluminium floor on the Mini-Carrier



Aluminium chassis cover on the skid carrier



Aluminium floor on the Vario-Carrier

## Loading aid

The retractable loading aid can be pulled out of the transport position in just a few steps.



Makes it easier for the operator to attach the load securing



Loading aid with holding rod



Loading aid on a trailer with single tyres

## Arc galvanising – Economical & retains value



Modern device technology and welding equipment guarantee that the Hüffermann high-quality promise is met. We set standards through innovation, quality and commitment.

“More cost-effective” and “greater value retention” are no empty promises – by investing in Hüffermann products, you create value for your company’s future.

### Unique surface finishes

Future investments, such as the new fully automatic chassis blasting system or arc galvanising ensure a smooth, optimal surface finish for the subsequent application of colour. We can respond flexibly to your requests, providing products that meet your individual vision of corporate colours.



### Your benefits

- + Fully-automated blasting system
- + Unique colour schemes possible

### Arc galvanising for durability

Full-surface arc galvanising with subsequent painting ensures a long-lasting finish, even for extreme applications, and is characterised by extreme resistance to abrasion or impact and great adhesion.



### Your benefits

- + Long-term operating reliability and value retention
- + Abrasion-resistant, stone-impact resistant
- + High-quality appearance

## Paintwork

The colour of the paint can be chosen by the customer.



Skid carrier in green



Roll carrier in green



Roll carrier with painted mounting parts



Skid carrier in green



Skid carrier with special paint job



Multi-Carrier in pure white



## Cover systems



Firmly mounted cover system for one trough on a central axle trailer. The rolling net is tensioned with spring force.

Cover systems secure the load in the container. When they are automatically or semi-automatically operated from the ground, they increase work safety and speed.

Trailer for two troughs may require a sliding cover system, which adapts to the skips positioned in the load point of gravity. The rolling nets are rolled in and out electrically with a remote control.

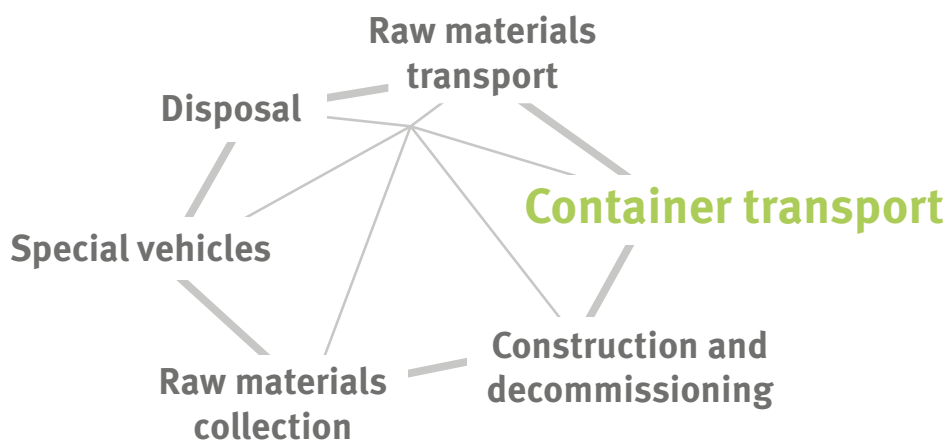


Cover systems for the corresponding tractor vehicles complete the product portfolio. The systems are available both for skip and roller containers.

## Hüffermann quality



We set standards as the market-leading manufacturer, showing off our strengths with detailed solutions for complete systems.



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