# Multi carrier 2-axle turntable

## Product benefits

- Robust and flexible multifunction trailer for transporting equipment, construction machinery or roller containers in accordance with DIN 30722 or skip containers in accordance with DIN 30720/30720-1, ISO containers and much more.
- "Made in Germany"
- Load securing with low-noise and pneumatic 4-point container locking mechanism or combined load securing for skip containers
- Individual trailer configuration
- OPTIONALS: combined load securing
- OPTIONALS: Loading ramps
- OPTIONALS: Equipment with stanchions
- OPTIONALS: Mounts for 10' and 20' ISO containers
- OPTIONALS: Board walls in different designs
- OPTIONALS: lowering drawbar for front loading

## Product details

### TYPE DESIGNATION

MULTI-CARRIER 2-AXLE TURNTABLE

Twin tyres HPA

Version for transporting skip containers, ISO containers, general cargo

Versions for different international roller container standards

## WEIGHTS

Total weight (techn./perm.): from 14 t – 20 t, depending on the national approval regulations

Additional or reduced weight depending on the equipment.

## DIMENSIONS

Roller container lengths of 4500 mm – 7000 mm inner length (DIN 30722)

Skip container 5 m³ – 20 m³ (DIN 30720/30720-1)

Total lengths depending on the type design and drawbar selection

## FRAME

Two longitudinal beams running parallel to each other, supported by a sufficient number of cross members with a sturdy welded design, inert gas welded, closed floor, the rear area of the basic version includes a ramp and integrated ramp storage compartment.

With flexible lashing points on the outer frame and corresponding thrust locks, optionally one or two skip containers of different sizes can be variably loaded.

## CHASSIS

We only use axles from renowned manufacturers. Air suspension chassis with disc brakes or drum brakes, including automatic lowering function

Tyres

8 tyres 235/75R 17.5 (10 t axles)

Other tyre sizes upon request.

Manual lifting/lowering function included in the standard scope of delivery

Optional: Spare wheel, aluminium rims, tyre pressure monitoring and control systems, axle load monitoring

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**BRAKE SYSTEM**

- WABCO brake system with ABS and EBS
- Knorr brake system with ABS and RSP as an option

Optional:

- Brake pad wear display
- Rear area monitoring (Wabco)

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**ELECTRICAL EQUIPMENT**

Hella module lighting device with function lights with partially LED technology, including LED position light, LED outline marker lights at the rear and LED side marker lights, flashing.

Optional:

- LED work lights
- 2 additional LED reversing lights at the rear
- Three round LED tail lights, instead of the module lights
- Additional brake light on the centre panel
- Various warning and surrounding lights
- Independent "PS-Fix" parking light system

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**PAINTWORK**

Paintwork in one RAL colour according to the customer’s wishes (except metallic colours), load securing elements in RAL 1003 signal yellow as standard.

Automatic blasting:

Before the paintwork, the trailer chassis are blasted in the automatic blasting machine specially designed for our trailer types, based on 12 consistently strong, automated and ring-shaped blast wheel turbines. Thanks to the special Hüffermann blasting abrasive, this results in a more homogeneous blasting pattern. Within the scope of the control process, additional blasting is performed manually, depending on the chassis design.

Priming: Application of an epoxy resin-based primer without electrostatics. Also for long-term and resilient corrosion protection.

Top coat: The 2-component top coat with a high solid content is individually applied in the desired colour (RAL) with the electrostatic method. As a result, even the smallest cracks are covered with paint and the protection and look is preserved over the years.

Sealing: After the assembly and the final approval of the vehicle from Quality Assurance, the vehicle is preserved at material contact points and transitions.  Preservation is accomplished with Dinitrol cavity wax.

Standard version without paintwork on the side collision protection, silver rims. Axles with black CDP coating. Add-on parts are galvanised.

Optional: Arc galvanising

Zinc wire is melted by an arc, atomised with compressed air and applied onto the freshly blasted surface of the chassis (without add-on parts). Together with the subsequent paintwork, this achieves corrosion protection with similar properties as hot-dip galvanising. Another advantage is the low heat input. This ensures that the structure of high-strength steels is not modified and large areas do not tend to warp.

Electrical arc galvanising offers a clear advantage in terms of the duration of protection, hardness, bonding strength, abrasion resistance, stone chipping resistance and edge protection.

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**ACCESSORIES**

Rear marking

- ECE sign

Optional: Waste, parking or ADR signs

- Wheel chocks (2)

Optional storage areas:

- Standard storage box 975 x 390 x 390 mm
- Stainless steel storage box
- Storage area for nets in different sizes
- Lashing chains for combined load securing
- Pallet storage compartments

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**DRAWGEAR**

Turntable with sealed ball race and V-drawbar with 40 mm drawbar eye. Optional: Centre pillar drawbar or drawbar with adjustable length, different drawbar eye versions. Drawbar lowering device with air bellows control via a pneumatic valve outside of the hazard area. Field-tested lever arrangement, plus generously dimensioned lifting bellows for lifting and lowering the drawbar with low supply pressure. Lowering without ground contact (of the drawbar).

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**LOAD SECURING**

Two pairs of locking elements secure the roller container on the inside of the lower belt. Thanks to an eccentric effect, even slightly bent container belts are tightened with a tension force of approx. 2500 kg per element. It is operated with air valves on the left side of the trailer.

Skip containers are secured with combined load securing crosswise and lengthwise as well as transverse lashing with one chain tensioner each. The slip protector in the travel direction is accomplished with pluggable wedges with an oscillating contact surface, that adapts to the container inclination. Laterally adjusted centrings absorb the transverse forces: optimal loading at the centre of gravity, even with different container sizes and weights, is ensured.

The basic scope of delivery includes 4 pairs of 6.3 t screwable lashing eyes in the outer frame, 1 pair of 5 t lashing rings on the front plateau as well as lashing holes on the outer frame of the front plateau.

**ADD-ON PARTS**

Underride guard with integrated light carrier, with vertical rubber buffers

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

Can be optionally swivelled up with gas pressure absorbers.

Plastic single wheel mudguard with spray guard

Optional:

1 spare wheel holder

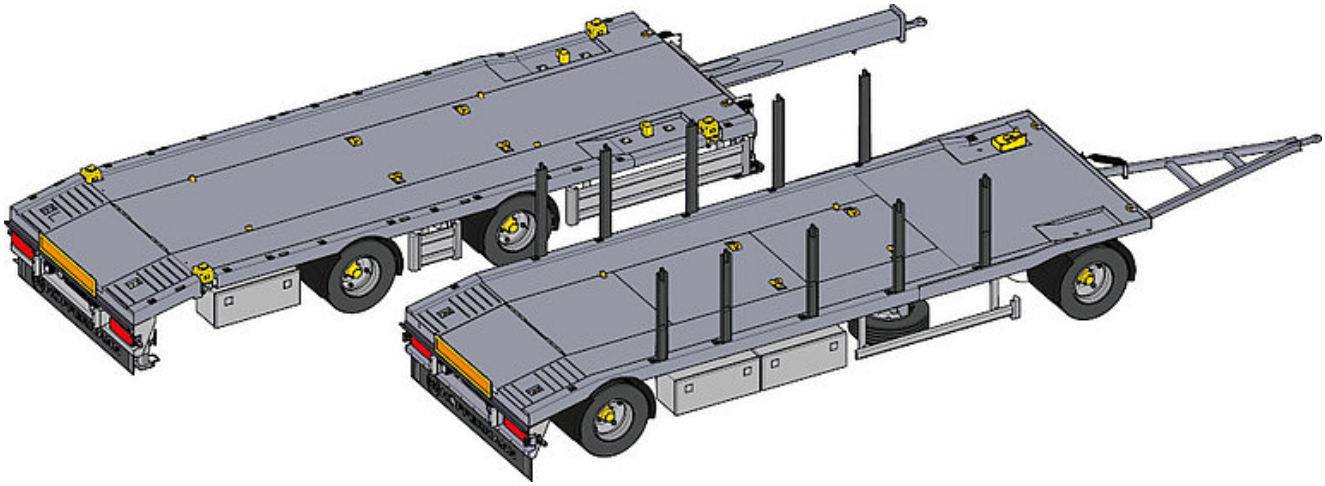
Hüffermann rubber apron

# Product impressions

HÜFFERMANN
Standlicht
Parking light
Warnblinker
Hazard light
Zusatz 1
Auxiliary 1
Zusatz 2
Auxiliary 2
PS-Fix®
Park Safety Fix
Powered by
HELLA

HÜFFERMANN

20
MERLO
P35.7-EVX
MR B 3095

HÜFFERMAN

weycor
95e
40
HÜFFERMANN