

**ENGINEUITY
SINCE 1893**



TK

**KÄSSBOHRER PRODUCT PRESENTATION
3 AXLE STEEL TIPPER
K.SKS B**



PRODUCT RANGE

KÄSSBOHRER TIPPER PRODUCT RANGE





CONTENT

1. PRODUCT RANGE AND TERMINOLOGY
2. TECHNICAL SPECIFICATIONS
3. KEY FEATURES
4. PRODUCT CONFIGURATION



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PRODUCT RANGE

KÄSSBOHRER TIPPER RANGE

CONSTRUCTION TIPPER RANGE

STEEL

ALUMINUM

LARGE & DENSE
MATERIALS

BULK & DENSE
MATERIALS

BULK
MATERIALS



- K.SKS.B / 22 - 12 / 27
- K.SKS.BS / 24 - 12 / 27



- K.SKS.BS / 24 - 12 / 27
- K.SKS.BS / 27 - 12 / 27

- K.SKS B / 24 - 15 / 18
- K.SKS B / 27 - 15 / 18



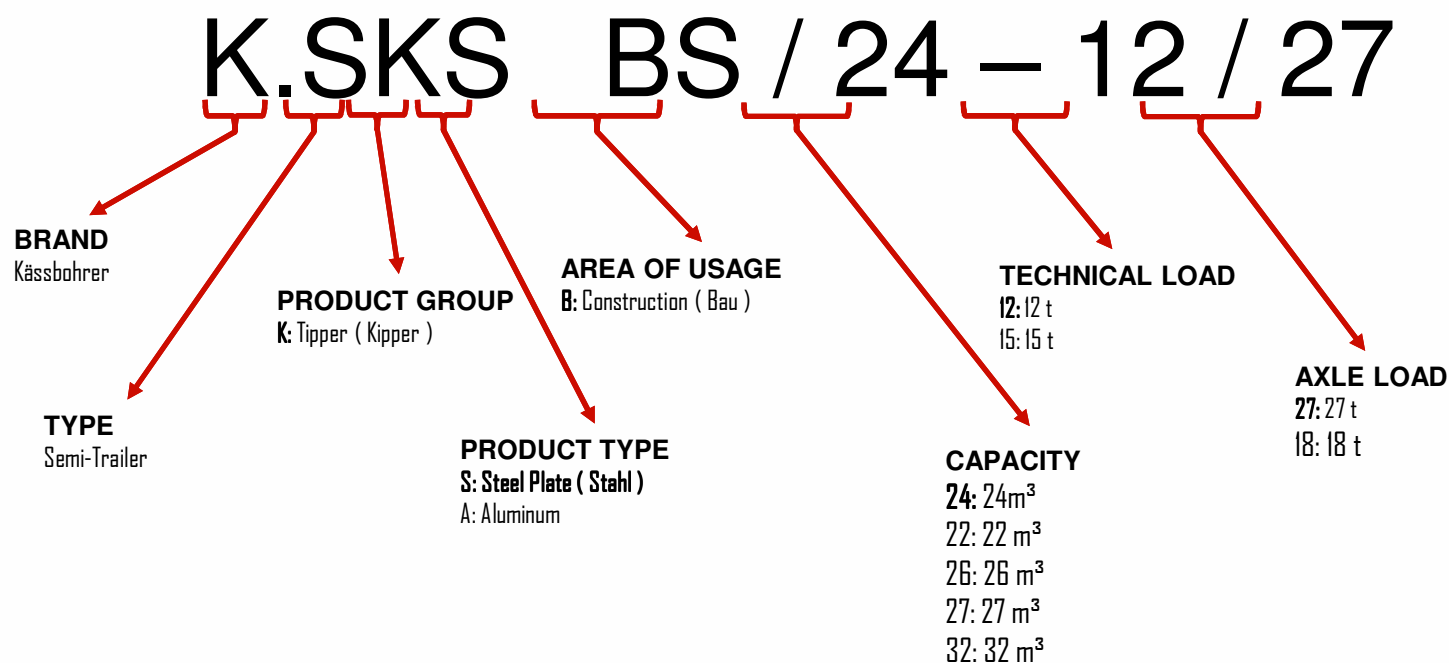
- K.SKS.B / 32 - 12 / 27



- K.SKS B / 24 - 12 / 27
- K.SKS B / 26 - 12 / 27



PRODUCT TERMINOLOGY TIPPER SERIES





TIPPER PRODUCT SERIES BEST QUALITY FOR CONSTRUCTION

Kässbohrer tipper semi-trailer, K.SKS, with its high-strength chassis and upperstructure stands for reliability and robustness under the hardest load and road conditions with the outside temperatures up to -40°C . With king pin capacity equal to 12.000 kg and unique upperstructure design, K.SKS offers the maximum traction performance and ideal load distribution for road safety. The V-shaped floor and 5-step cylinder with a lifting capacity of 250 bar enables fast loading and unloading operations. Engineered to couple with 4x2, 6x2, 6x4 trucks, K.SKS is equipped with one-touch paving brake system and tilt alert system for operational safety.





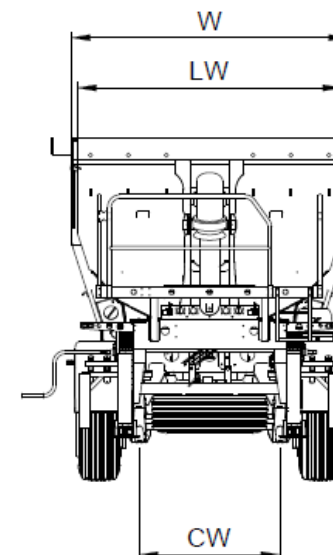
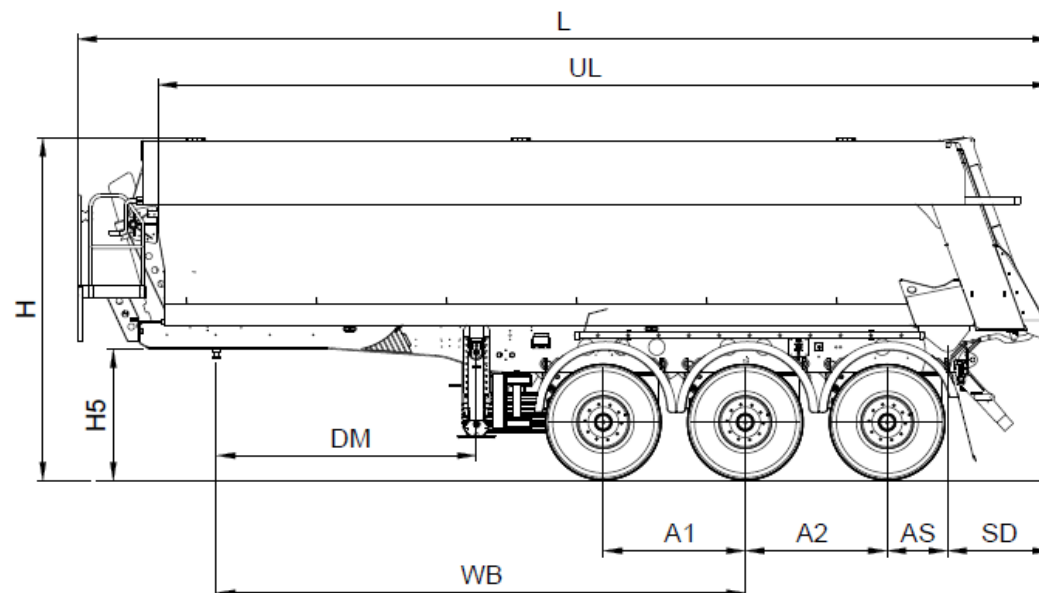
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K.SKS BS / 24 – 12 / 27

TECHNICAL SPECIFICATIONS



1- Total Length (L)

9.000 mm

2- Wheel Base (WB)

4.900 mm

3- Half Pipe Length (UL)

8.080 mm

4- 5th Wheel Height (H5)

1.220 mm

5- Total Height (H)

3.020 mm

6- Distance between axles (A1,A2)

1.310 mm

7- Total Width (W)

2.550 mm

8- King pin –Landing gear distance (DM)

2.400 mm

9- Tipping Shaft to Rear (SD)

970 mm

10- Min. Tare Weight ($\pm 3\%$)

5.750 kg

11- Total Weight

39.000 kg

12- Payload

33.150 kg

*tare weight calculated with options included



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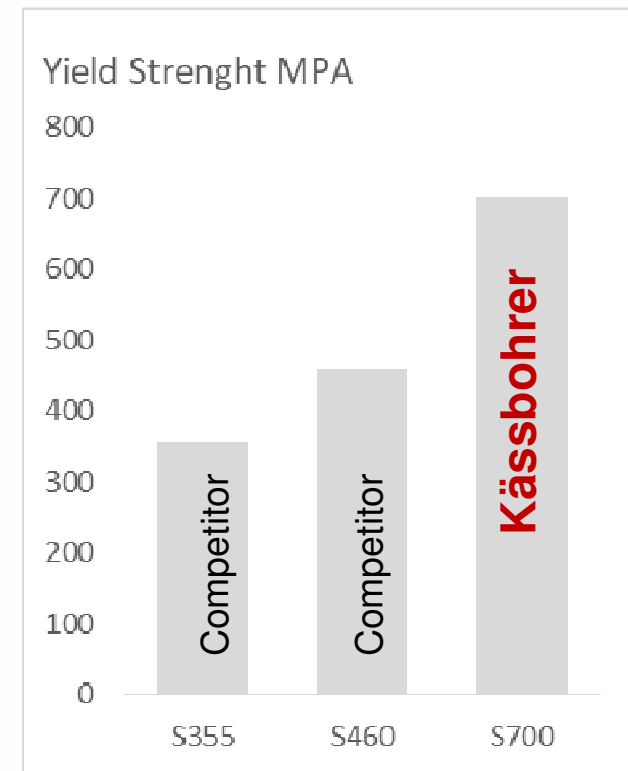
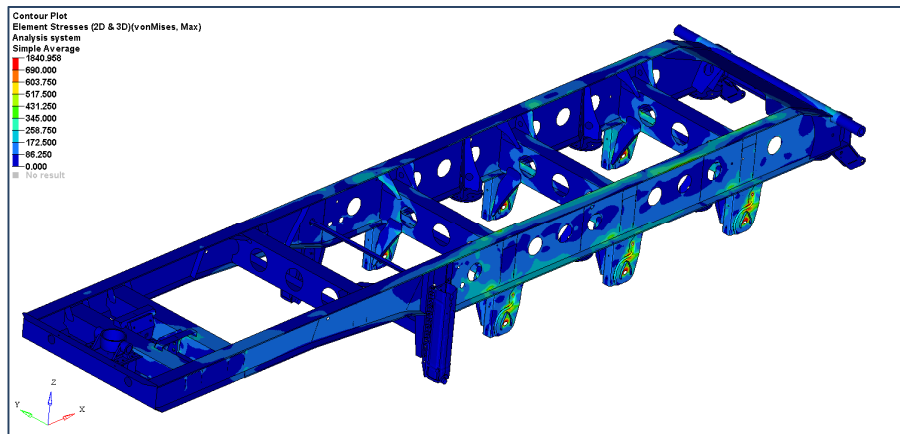


KEY FEATURES

ACCLAIMED ROBUST CHASSIS WITH HIGH PAYLOAD CAPACITY

The extra high strength steel grades are used in applications such as truck/trailer chassis, cranes and earthmoving machines. In these applications, the high strength of the steels is used to save weight and/or to increase the payload.

As a result of this, formability of the steels and the total costs is reduced





KEY FEATURES

10 YEARS WARRANTY AGAINST RUST PERFORATION

- Cataphoretic coating (KTL) application to chassis frame to withstand adverse weather conditions and tough road conditions.
- Zinc-phosphate tri-electron cataphoretic coating provides protection against rust perforation.
- KTL is standard for all Kässbohrer Tipper serie steel chassis.





KEY FEATURES

HIGH-STRENGTH BODY STRUCTURE

Thanks to the lightened and improved body Structure New Kässbohrer TIPPER offers excellent performance in the toughest conditions.

- HB450 quality steel
- V shaped New Floor Design
- 12 unit bending on side walls
- H-type cylinder connections
- Supported with Internal Box Profiles.
- Externally Locking System
- Assistant Frame and Bodyfix integration with chassis

New tipper door ensures great resistance to impact of all kinds.





KEY FEATURES

CHASSIS AND UPPER STRUCTURE BALANCE

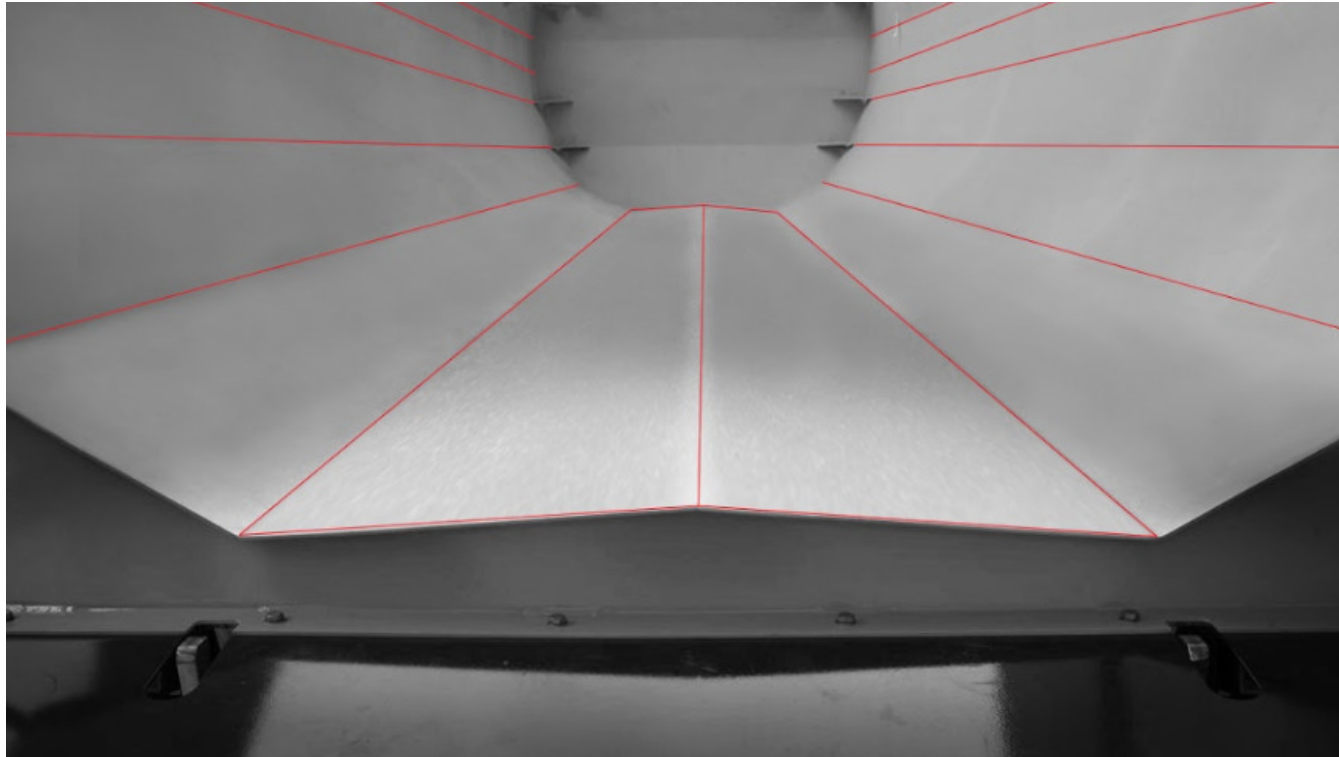


Through new **Assistant Frame and Body Fix** structure

- The upper structure and chassis integration is achieved, preventing vibration and noise by increasing vehicle stability
- This integrated structure reduce reverse movements on tipping shaft and hydraulic cylinder connections, also with lateral forces on welding zones which may arise during cruise and ensures prolonged product life.



KEY FEATURES FAST UNLOADING



Through the development of unique “V” form of the floor, Kässbohrer Tipper prevents the bulk adhesion on body and ensures **Fast Unloading** of bulk materials while enhancing body floor durability. This feature also helps cleaning of the tipper floor rapidly.



KEY FEATURES EXCAVATOR PUSHING AREA



Kässbohrer K.SKS tipper solves occasionally seen problem of tipper being stuck on ground.

Excavators can push the tipper out of the mud from the specially designed areas resistant to impact at the rear door.



KEY FEATURES LIGHTNESS IS THE GAME

5.750 kg
Weight
Optimized



Weight saving up to 700 kg with weight optimized options increasing profitability of your operations.



KEY FEATURES

OPERATIONAL SAFETY THANKS TO WIDE TIPPING SHAFT

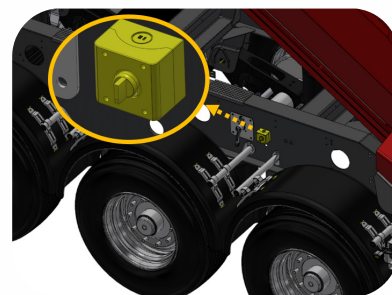


Specially designed wide tipping shaft provides better stability during your tipping operation by distributing load to a wider area to enhance operational safety.



KEY FEATURES

ONE TOUCH ASPHALT PAVING



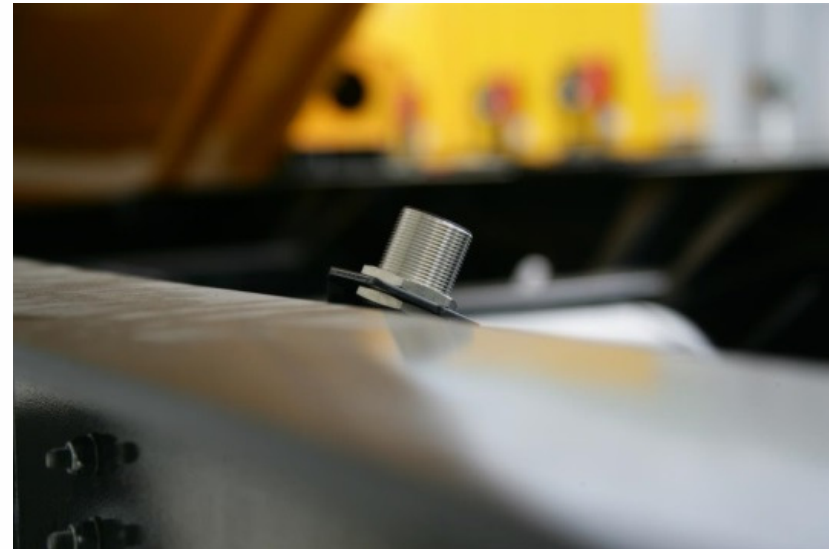
Asphalt paving operation can be handled easily with Finisher feature, standard for Kässbohrer tippers.



KEY FEATURES

EASY TO USE TECHNOLOGICAL EQUIPMENTS

- **Tilt Alert Magnetic Sensor** warns the driver with sound about the sloped surface over 3° while doing an unloading operation.
- **Traction help** increases the grip of trucks' driving axle.
- **Automatic lift axle** lifts or lowers the axle depending on speed and load conditions.
- **Safety Brake Function** automatically brakes the tipper when the body is tipped.

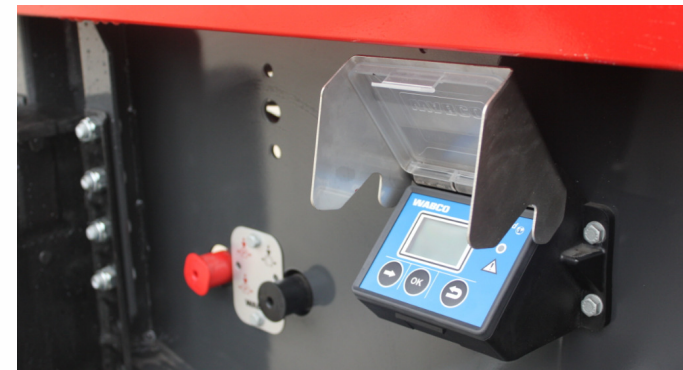




KEY FEATURES

EASY TO USE TECHNOLOGICAL EQUIPMENTS

- **Unloading Level** function automatically adjusts the suspension levels to ensure low center of gravity.
- **Smartboard** Trailer control unit with display, to read out trailer data and control EBS and suspension functions
- **Autoreset** function automatically returns the tipper to driving height level
- **Finisher Brake** syncs the speed of the tipper and the asphalt finisher and fixes the suspension levels when turned on.





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PRODUCT SERIES

STANDART CONFIGURATION

Axle and Suspension

3 x BPW axles, 9 ton technical capacity, air suspension and drum brakes with automatic 1st axle lifting

Brake System

Wabco EBS 2S/2M double circuit brake system with RSS, spring-actuated parking brake in accordance with EC Directive 71/320 EEC

Electric System

Aspöck Europoint III lightning installation with 24V LED side position lamp and 2 x 7 and 1 x 15 pin sockets, in compliance with Regulation UN ECE R48 and ADR Legislation

Tyres and Rims

6 units 385/55 R 22.5 tyres, steel rims for drum brake axle, brand : Kässbohrer's choice





PRODUCT SERIES STANDART CONFIGURATION

Chassis

Made of high quality and high strength S700 MC steel Made of two welded longitudinal beams in "I" form with cross beams at needed distances.

Upperstructure

The front wall, rear door and side wall are made of 4 mm HB450 and the floor is made of 5 mm HB450 high strength and wear and impact resistant

Hydraulic Cylinder

5-step HYVA Alpha series high pressure cylinder with a lifting capacity of 250 bar

Tarpaulin

Rolling from side manual tarpaulin, reinforced at the connection points.





PRODUCT SERIES

STANDART CONFIGURATION

Rear Door Type

Mechanical pendulum rear door with one hinged connections.

Landing Gear

24 ton technical capacity landing gear Brand: Kässbohrer's choice

Smartboard

Multi-functional Wabco Smartboard, providing various information such as; traveled distance(odometer), tire or brake pads condition, axle load, suspension level control, "Finisher" controlling and diagnostics etc.

ECAS

Driving assisted Electronic Controlled Air Suspension (ECAS) system which facilitates loading and unloading.





PRODUCT SERIES STANDART CONFIGURATION

Bumper Type

Manual folding bumper under directive AB 70/221 regulation.

Walking Platform

Walking platform with ladder for operating the rolling tarpaulin manually from side.

Standard Features

Magnetic tilt alert sensor, traction help, safety brake function, unloading level, autoreset, finisher brake.

Standard Accessories

Underrun protection, rear reflectors, wheel chocks, anti-spray mudguards, working lamp.

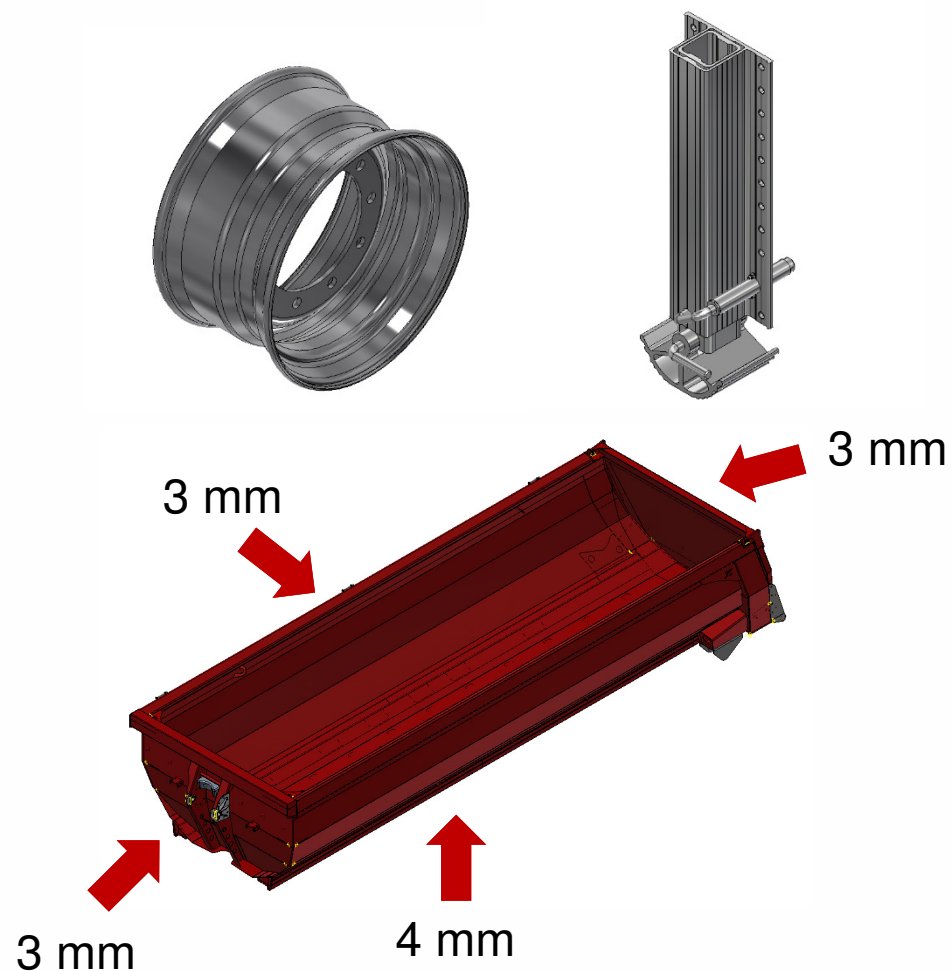




PRODUCT SERIES WEIGHT SAVING OPTIONS

Weight reduction can be obtained by selecting:

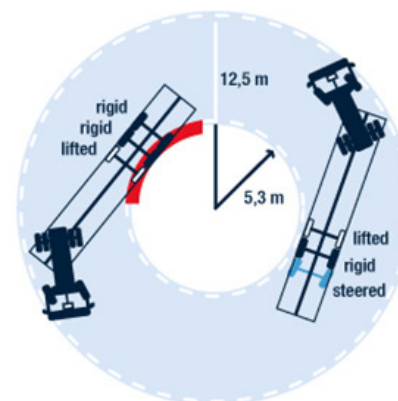
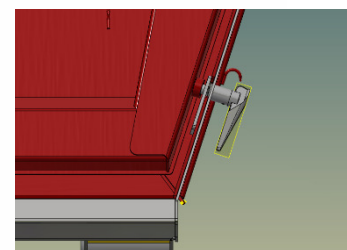
- Aluminum rims up to 125 kg.
- 3 mm HB 450 floor, 4 mm HB 450 side front and rear walls wall thickness up to 310 kg
- 4 mm HB 450 floor, 4 mm HB 450 side front and rear walls wall thickness up to 110 kg
- Aluminum landing gear up to 66 kg.
- Aluminum air tanks up to 30 kg.
- BPW air suspension and disc brake axle with 3 x 9 ton capacity up to 120 kg.





PRODUCT SERIES OPTIONS

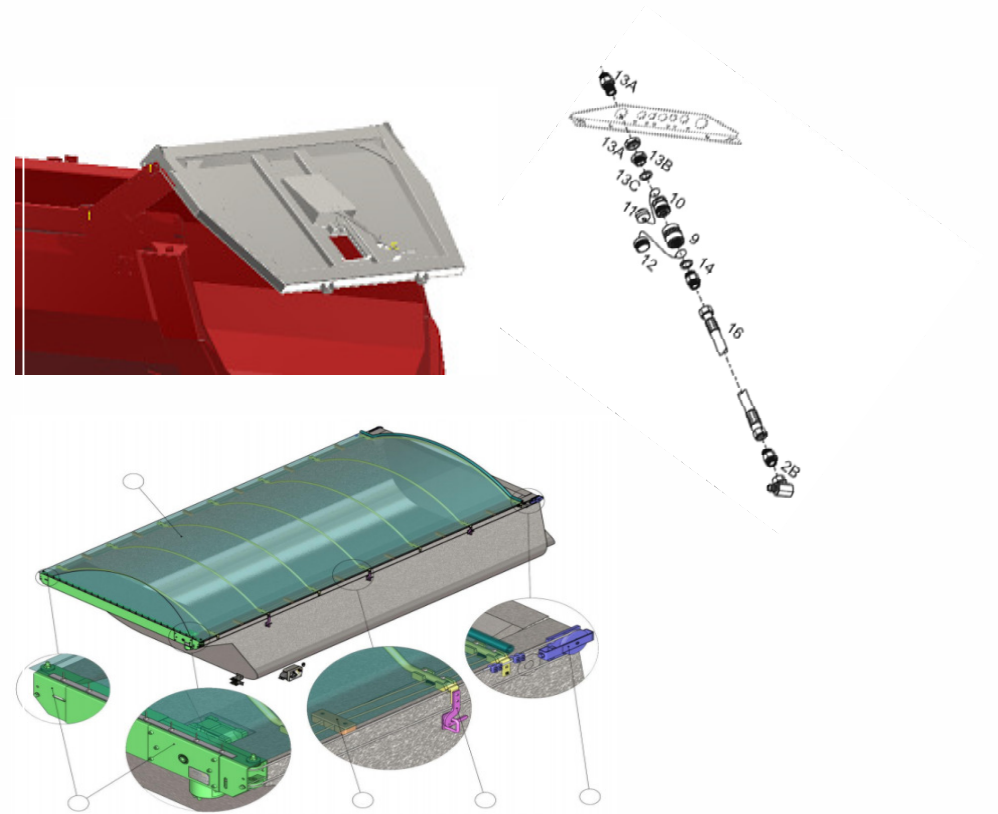
- 1.250 mm 5th wheel height
- 1.320 mm 5th wheel height
- 1st and 3rd axle lifting
- 3rd axle self steering for disc and drum brake axles.
- Quick coupling Hyva hydraulic suction and pressure hose with diameter of 1".
- Various wall thickness options.
- Rear door handle
- Rear door extra locks
- External Ladder





PRODUCT SERIES OPTIONS

- 1.410 mm distance between axles
- Automatic sliding through rear tarpaulin, controlled by remote control or on the vehicle.
- Manual sliding through rear tarpaulin, controlled by an arm.
- LED lights
- Tyre brand options
- Hubodometer
- Water sealing rubber at rear door
- Broom, shovel and holder
- Fire extinguisher box
- Logo applications



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THANK YOU



Kässbohrer

Ingenuity, since 1893