



# K.SKS BS UNIQUE DESIGN FOR EFFICIENT TRANSPORTATION BY KÄSSBOHRER

Kässbohrer tipper semi-trailer, K.SKS, with its high strength chassis and upper structure stands for reliability and robustness under the hardest load and road conditions.

The robust chassis with cathophoretic dip coating (KTL) process offers durability and persistence throughout the economic life of the vehicle. With king-pin capacity of 12.000 kg and unique upper structure design, K.SKS offers the maximum traction performance on the road and ideal load distribution for road safety.

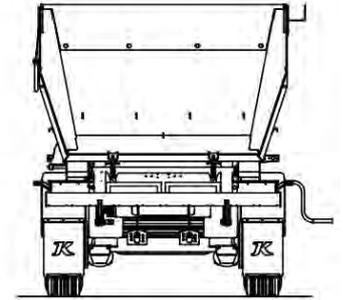
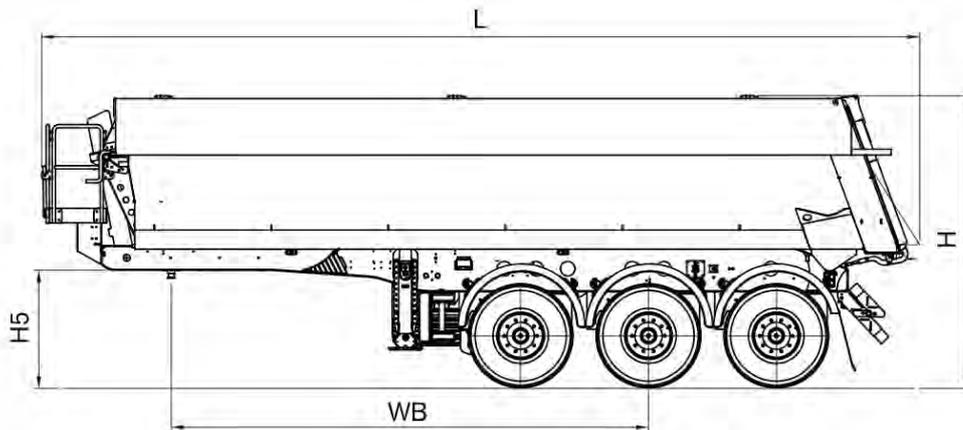
The unique V-shaped form of the upper body increases the acceleration of the load by design providing an easy flowing floor for optimal load discharge. 5 step hydraulic cylinder with a lifting capacity of 250 bar enables operationally efficient unloading.

Engineered to couple with 4 x 2, 6 x 2, 6 x 4 trucks, K.SKS is equipped with one touch brake system, that is developed for stable unloading operations and with tilt alert system that alerts the drivers on inclined lands, providing operational safety.



# K.SKS BS / 24 - 12 / 27

## SPECIFICATIONS



### TECHNICAL INFORMATION

<b>Chassis</b>	Made of high quality and strength S700 MC steel, in compliance with Standard ISO 1726-2 and ISO 1726; made of two welded longitudinal beams in "I" form with cross beams at needed distances. Reinforced with KTL protection with Kässbohrer expertise (10 years warranty for perforation)
<b>Brake System</b>	Dual circuit electro-pneumatic WABCO brand EBS 2S/2M brake system with anti-lock (ABS) and tilt control system (RSS) in compliance with Regulation UN ECE R13
<b>Electric System</b>	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
<b>Axles</b>	BPW AL II HD air suspension and drum brake axle with 9 ton capacity each
<b>Body</b>	The front wall, door and side wall are made of and the floor is made of HB450 high strength and wear- and impact resistant steel
<b>Hydraulic system</b>	4-step* cylinder with a lifting capacity of 250 bar (*5-step HYVA for 24, 27 and 32 m3 DE and 32 m3 RU vehicles)

### TECHNICAL DATA

<b>Fifth Wheel Height (H5)</b>	1.220 mm
<b>Wheelbase (WB)</b>	4.900 mm
<b>External Length (L)</b>	9.000 mm
<b>Total Width (W)</b>	2.550 mm
<b>Tare Weight ±%3</b>	6.450 kg
<b>Volume</b>	24,0 m3

### TECHNICAL CAPACITIES

<b>Axle Load</b>	27.000 kg
<b>King Pin Capacity</b>	12.000 kg
<b>Gross Weight</b>	39.000 kg

### ENHANCED FEATURES

#### Load and Discharge Security Systems

Pneumatic folding bumper with remote control device  
Rolling tarpaulin: Mechanical rolling pipe tarpaulin mounted to side walls  
Body-Fix: Rattaling absorbers mounted on the chassis to prevent any possible noise pollution during discharge  
Tilt alert: An audible alarm signal and a light indicator, allowing the driver to lower the tipper in time to prevent a roll over  
Unloading level: Air bag pressure release system, lowering the platform height for safe discharge operation  
Finisher brake system: Equipped with a switch for controlling automatic braking system, suitable for asphaltting machinery  
Safety brake function: Automatic braking system, preventing any movement during the unloading process  
e-TASC: Electronic trailer air suspension control  
Smartboard: Allowing to operate and display EBS E and and suspension functions

#### Wide Range of Options

3 mm side front and back walls, 4 mm of floor thickness  
Spare wheel and holder  
Hydraulic rear wall  
Electrical sliding tarpaulin  
Quick coupling connection  
Aluminum air tanks  
Aluminum mechanical legs  
Alux outside mirror and machined finish aluminum rim options  
Fire extinguisher box  
Aluminum ladder  
Grain door

**Kässbohrer semi-trailers are manufactured according to lean production and quality principles in consideration of total cost of ownership.**

*Kässbohrer reserves the right to alter the product specification. Visual and technical data subject to change according to vehicle configuration.*

**Kässbohrer Sales GmbH**

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# K.SKS BS UNIQUE LOAD DISTRIBUTION BY KÄSSBOHRER

Kässbohrer tipper semi-trailer K.SKS B stands for reliability and robustness under the hardest load and road conditions with its high strength chassis and upper structure.

With its unique load distribution performance, K.SKS can carry 26 ton payload with only 9 ton axles, 1 ton more than conventional 2 axle tipper semi-trailers with its standard weight of 5.750 kg. This feature also enhances the service life of axles by distributing the load through king pin. The weight of the vehicle can be brought down to 5.150 kg through weight saving options. The robust chassis with cathophoretic dip coating (KTL) process offers durability and persistence throughout the economic life of the vehicle.

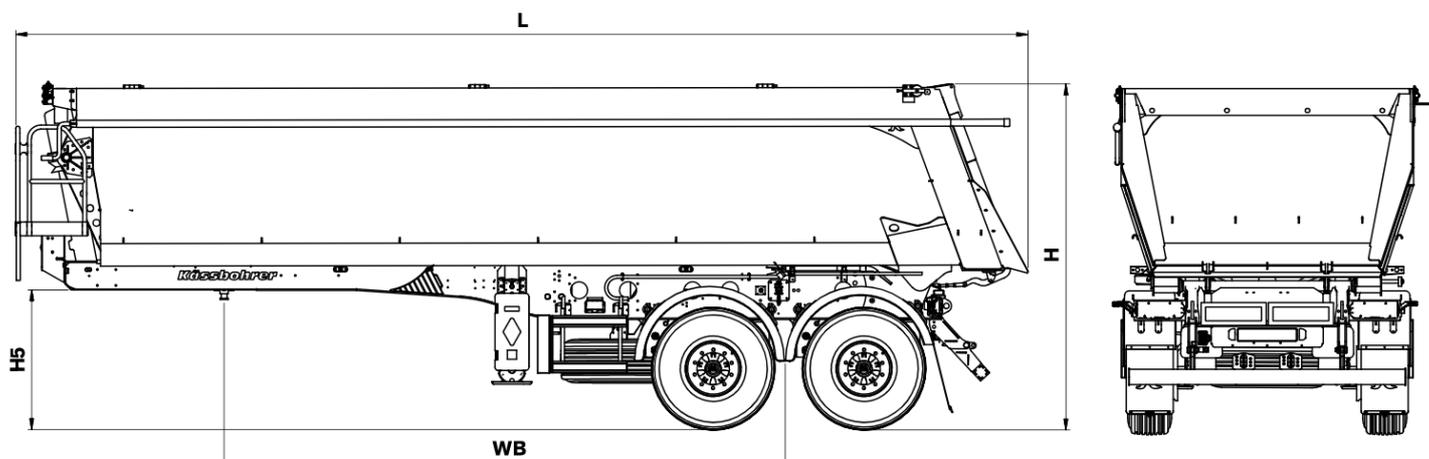
With king-pin capacity of 15.000 kg and unique upper structure design, K.SKS B offers the maximum traction performance on the road and ideal load distribution for road safety. Payload can be increased further by its weight optimized options for 600 kg.

The unique V-shaped form combined with 12 unit bending on the side wall of the upper body increases the acceleration of the load by design providing an easy flowing floor for optimal load discharge. 5 step H-type hydraulic cylinder with a lifting capacity of 250 bar enables fast loading and unloading operations. Engineered to couple with 4 x 2, 6 x 2, 6 x 4 trucks, K.SKS B is equipped with one-touch paving brake system and tilt alert system for operational safety.



# K.SKS B / 24 - 15 / 18

## SPECIFICATIONS



### TECNICAL INFORMATION

<b>Chassis</b>	Made of high quality and strength S700 MC steel, in compliance with Standard ISO 1726-2 and ISO 1726; made of two welded longitudinal beams in "I" form with cross beams at needed distances. Reinforced with KTL protection with Kässbohrer expertise (10 years warranty for perforation)
<b>Brake System</b>	Dual circuit electro-pneumatic WABCO brand EBS 2S/2M brake system with anti-lock (ABS) and tilt control system (RSS) in compliance with Regulation UN ECE R13
<b>Electric System</b>	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
<b>Axles</b>	BPW AL II HD air suspension and disc brake axle with 9 ton capacity each
<b>Body</b>	The front wall, door and side wall are made of and the floor is made of HB450 high strength and wear- and impact resistant steel
<b>Hydraulic system</b>	4-step* cylinder with a lifting capacity of 250 bar (*5-step HYVA for 24, 27 and 32 m3 DE and 32 m3 RU vehicles)

### TECNICAL DATA

<b>Wheelbase (WB)</b>	4.900 mm
<b>External Length (L)</b>	8.930 mm
<b>Total Width (W)</b>	2.550 mm
<b>Tare Weight ±%3</b>	5.800 kg
<b>Volume</b>	24,0 m3

### TECNICAL CAPACITIES

<b>Axle Load</b>	18.000 kg
<b>King Pin Capacity</b>	15.000 kg
<b>Gross Weight</b>	33.000 kg

### ENHANCED FEATURES

- Maximum payload:** Unique upperbody design and positioning allows 1 ton extra material loading.
- Body-Fix:** Rattling absorbers mounted on the chassis to prevent any possible noise pollution during discharge
- Tipping shaft:** Wide tipping shaft provides better stability during your tipping operation by distributing the load to a wider area
- Tilt alert:** An audible alarm signal and a light indicator, allowing the driver to lower the tipper in time to prevent a roll over
- Unloading level:** Air bag pressure release system, lowering the platform height for safe discharge operation
- Finisher brake system:** Equipped with a switch for controlling automatic braking system, suitable for asphaltting machinery
- Safety brake function:** Automatic braking system, preventing any movement during the unloading process
- Rolling tarpaulin:** Mechanical rolling pipe tarpaulin mounted to side walls
- e-TASC:** Electronic trailer air suspension control
- Smartboard:** Allowing to operate and display EBS E and and suspension functions

### Wide Range of Options

- Hydraulic rear wall with remote control
- Electrical / manual sliding tarpaulin
- Pneumatic folding rear bumper
- Wall & floor thickness options
- Self steering 3rd axle
- Disc / Drum brakes
- Grain door
- Sealing rubber at rear door
- Tightening rear door locks
- Quick coupling connection
- Aluminum air tanks
- Aluminum mechanical legs
- Aluminum rims
- Fire extinguisher box
- Plastic toolbox
- Aluminum ladder
- Spare wheel and holder

**Kässbohrer semi-trailers are manufactured according to lean production and quality principles in consideration of total cost of ownership.**

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# K.SKA LIGHT, MODULAR YET MOST ROBUST TIPPER BY KÄSSBOHRER

Kässbohrer Aluminium tipper semi-trailer, K.SKA, with its high strength chassis and tough aluminum upper structure stands for reliability and robustness under the hardest load and road conditions. With its unique light design, 4.980 kg, K.SKA offers more payload and higher fuel efficiency. The weight advantage of up to 1.500 kg is achieved compared to steel body version.

The robust chassis with a cathaphoretic dip coating (KTL) process offers durability and persistence throughout the economic life of the vehicle. Modular, lockable designed aluminum side panels, with 500 mm panels, are the widest size in the market which ensures the strongest design and longer body service life.

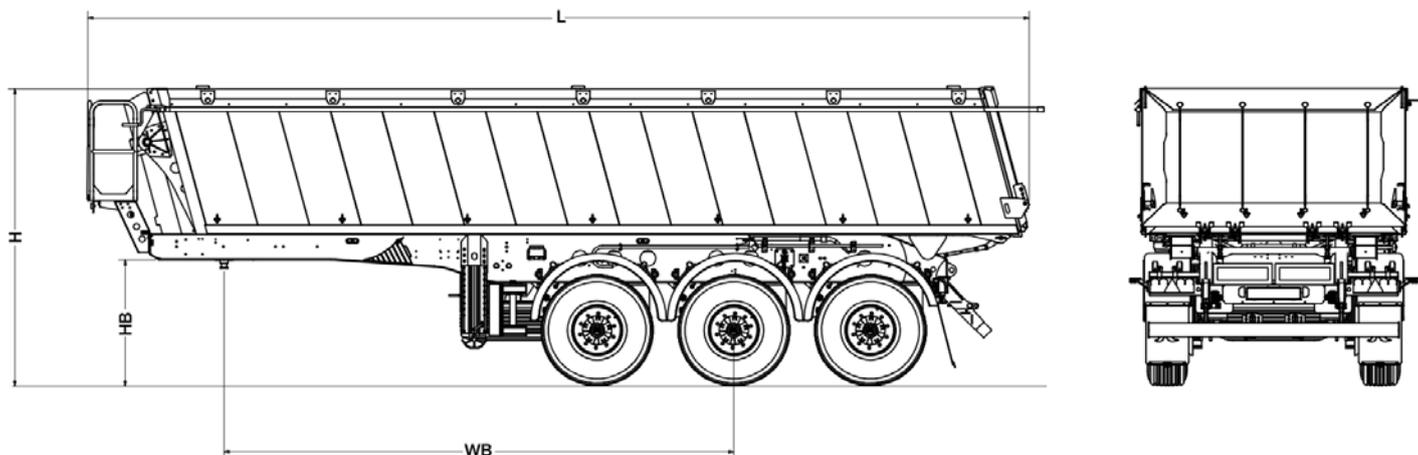
Unexampled patented modular floor design optionally can be equipped with wear plates to have a longer life cycle. K.SKA, with a king-pin capacity of 12.000 kg and unique upper structure design, offers the maximum traction performance on the road and ideal load distribution for road safety.

5 step hydraulic cylinder with a lifting capacity of 250 bar enables operationally efficient unloading. Engineered to couple with 4 x 2, 6 x 2, 6 x 4 trucks, K.SKA is equipped with one touch brake system, that is developed for stable unloading operations and with tilt alert system that alerts the drivers on inclined lands, providing operational safety.



# K.SKA B / 24 - 12 / 27

## SPECIFICATIONS



### TECNICAL INFORMATION

<b>Chassis</b>	Made of high quality and high strength S700 MC steel, in compliance with Standard ISO 1726-2 and ISO 1726; made of two welded longitudinal beams in "I" form with cross beams at needed distances. Reinforced with KTL protection with Kässbohrer expertise.
<b>Brake System</b>	Dual circuit electro-pneumatic WABCO brand EBS 2S/2M brake system with anti-lock (ABS) and tilt control system (RSS) in compliance with Regulation UN ECE R13
<b>Electric System</b>	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
<b>Axles</b>	BPW EA air suspension and disc brake axle with 9 ton capacity each
<b>Body</b>	Profiles with 4 mm inner wall, 2 mm outer wall thickness, 40 mm total thickness and 500 mm length along the side wall. Floor structure consists of 400 mm of lockable aluminum floor panels with 6 mm of wall thickness. Suitable to transport fine grained granular materials such as sand, gravel, aggregate and asphalt. Aluminum upperstructure manufactured by using high strength abrasion and impact resistant aluminum panels.
<b>Hydraulic system</b>	5-step HYVA cylinder with a lifting capacity of 250 bar

### TECNICAL DATA

<b>Fifth Wheel Height (H5)</b>	1.220 mm
<b>Wheelbase (WB)</b>	4.900 mm
<b>External Length (L)</b>	9.080 mm
<b>Total Width (W)</b>	2.550 mm
<b>Tare Weight ±%3</b>	5.150 kg
<b>Volume</b>	24,0 m <sup>3</sup>

### TECNICAL CAPACITIES

<b>Axle Load</b>	27.000 kg
<b>King Pin Capacity</b>	12.000 kg
<b>Gross Weight</b>	39.000 kg

### ENHANCED FEATURES

#### Patented modular floor and side walls design.

#### Volume Options

The tipper can be manufactured with different volumes such as 24 m<sup>3</sup>, 26 m<sup>3</sup>.

#### Load and Discharge Security Systems

Rolling tarpaulin: Mechanical rolling pipe tarpaulin mounted to side walls

Body-Fix: Rattling absorbers mounted on the chassis to prevent any possible noise pollution during discharge

Tilt alert: An audible alarm signal and a light indicator, allowing the driver to lower the tipper in time to prevent a rollover

#### Wide Range of Options

1.410 mm distance between axles

Automatic sliding through rear tarpaulin, controlled by remote control or button on the vehicle

Pneumatic folding bumper with remote control device

Smartboard

Manual sliding through rear tarpaulin, controlled by an arm.

LED lights

Tyre brand options

Hubodometer

Broom, shovel and holder

Fire extinguisher box

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".

Grain door

Rear door handle

External Ladder

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