



# K.STB E 45 ASSURED STABILITY, MANOEUVRABILITY AND SAFETY BY KÄSSBOHRER

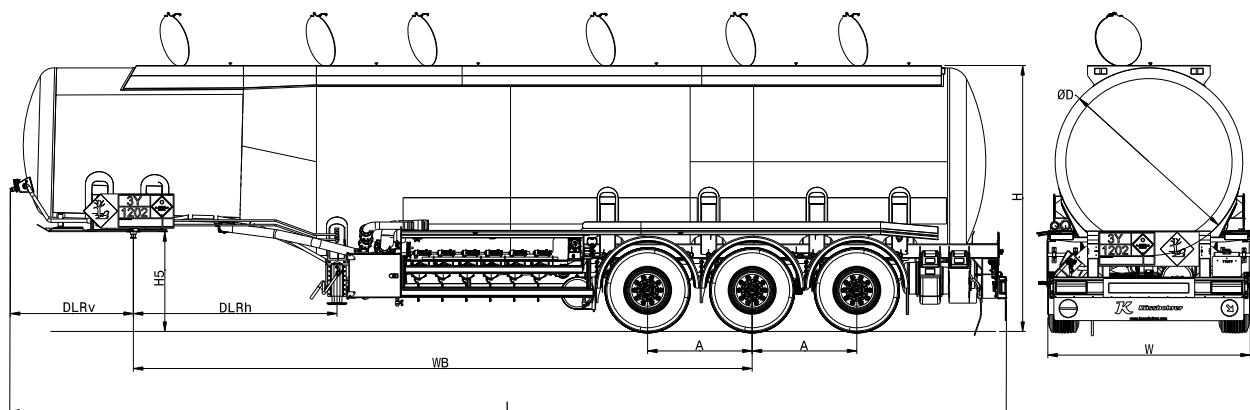
Kässbohrer's proven design cylindrical fuel oil tank has been re-engineered specifically to meet the needs of its customers in UK. With its 14 ton king pin capacity and low center of gravity, K.STB E 45 is engineered for maximizing load, road and driving safety by assuring vehicle stability including roll-over prevention. With vehicle height of 3.330 mm and wheelbase 7.750 mm, navigating through narrow roads, challenging site conditions and low bridges becomes effortlessly smooth for your operations. Coupled with our industry-leading low tare weight of 5.400kg, K. STB E 45 provides not only increased fuel efficiency but also a greener footprint. K.STB E 45 offers full utilization of your fleet with flexible compartment configurations with 1,6 or 8 compartment options with a total of 42.000 liter net capacity in order to haul different loads without compromising on safety. K.STB E 45 can be equipped with pump of your choice, overfill sensors, couplings and measurement systems.

The K.STB E 45 undergoes rigorous validation for its highest quality, extended vehicle life, and safety at the Kässbohrer R&D and Test Centre, not limited to mandatory ADR tests. Both Computer-Aided Simulation (CAE) and physical Hydraulic Tests are conducted under challenging road conditions using collected real life road data. Ensuring high strength in tank body, components, and materials guarantees top performance and safety. At Kässbohrer Academy for Welding technologies, established in 2013, welders are continuously trained to guarantee the quality of craftsmanship and manufacturing excellence at international norms. After 6 months of theoretical, 3D simulation as well as real physical training, the welders are awarded with global TÜV and DEKRA certificates. Kässbohrer ensures that every vehicle is manufactured to highest quality and safety standards for the demands of challenging operations.



# K.STB E 45 / 6 - 14 / 24

## SPECIFICATIONS



### TECHNICAL INFORMATION

<b>Chassis</b>	Two extruded box profiles made of special alloy aluminum which provides high quality and high strength, special extruded box profiles made of aluminum, and specially designed aluminum crossover connection
<b>Brake System</b>	There is a dual-circuit electro-pneumatic braking system with EBS 2S / 2M antiblocking system suitable for UN ECE R13 regulation and an integrated RSS electronic stability control system in the braking system
<b>Tyre Size</b>	Tyre size 385/65 R 22.5
<b>Axles</b>	BPW air suspension and drum brake axle with 3 x 9 tons permissible load capacity
<b>Electric System</b>	ASPÖCK lighting system with full-LED lights and 1x15 pol. Socket, according to regulation UN ECE R48 and ADR regulations
<b>Number Of Compartments</b>	6
<b>Filling And Discharging System</b>	The filling and discharge system is suitable for top and bottom filling
<b>Hose Carrier</b>	Pool type hose holder available

### TECHNICAL DATA

<b>Fifth Wheel Height (H5)</b>	1.250 mm
<b>Tank Diameter (D)</b>	2.350 mm
<b>Wheelbase (Wb)</b>	7.750 mm
<b>Height (Empty Vehicle) (H)</b>	3.330 mm
<b>Tank Gross Volume</b>	45 m <sup>3</sup>
<b>Tank Net Volume (V)</b>	42 m <sup>3</sup>
<b>Tank Volume Distribution</b>	6 x 7.000 l
<b>Tare Weight ±%3</b>	5.400 kg
<b>Operation Temperature °C</b>	-20/50 °C
<b>Test Pressure (Bar)</b>	0,35 + H bar
<b>Operation Pressure (Bar)</b>	0,5 bar
<b>Tank Thickness</b>	5,0 mm

### TECHNICAL CAPACITIES

<b>Axle Load</b>	24.000 kg
<b>King Pin Capacity</b>	14.000 kg

### Enhanced Features

#### Various Compartment Configurations

45.000 l capacity with 1,6 or 8 compartments options according to operational needs

#### Certification

Fully compliant with ADR and SLP

#### Discharge and Measurement Equipment

Preparation for any pump brand and model

API coupling and equipment options preferred in UK market

Collector and measurement system options

#### Safety Options

Various overfill protection options

SPDS options

Emergency stop buttons

**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.*

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