



## MEILLER dump semi-trailer MHPS44.3N – technical specification

[www.meiller.com](http://www.meiller.com)

### In the cargo box:

- 3-section semi-tube steel body with a sloping front wall, a stabilizing 4-stage telescopic cylinder and a sloping version of the rear door;
- side walls with a durable upper circumference border, prepackaged front edges, steps on the front of the left;
- supports made of wear-resistant and impact-resistant rubber;
- hooks for MEILLER tarpaulin systems; MEILLER inscriptions on the sides;
- floor/wall combination SKB II – standard combination with optimized strength and suitability for sand, gravel and crushed stone transport;
- floor from Tailored Blank (TB) – a sheet of variable thickness in different places, provides optimal strength and reduces weight;
- floor 5/6 mm HBW 450 (Hardox® 450 or equivalent), side walls 4 mm HBW 450 (max 1 600 mm height), front wall 4 mm BS 70, rear wall 4 mm HBW 450;

---

### **Chassis and axle system:**

- welded frame of high-strength fine-grained steel with I-profile and MEILLER torsion crossbars, complies with DIN/ISO 1726;
- suitable for the selected chassis;
- air spring tridem axle, SAF axle, 1 310 mm axle distance, 2 140 mm axle rail, 8 t each (technical axle load 3×9 t);
- disc brakes 22.5" with asbestos-free pads;
- welded box-type rear pillar;
- wheel offsets 120;
- ABS 2S/2M system - anti-lock braking system with 2 sensors and 2 modulators on each axle;
- two-sided axle lift - (two-sided axle lift) is a mechanism that allows the axles to be raised or lowered one or more units at a time, depending on the load position or driving conditions ;
- Start assistant – a system that helps to start the movement of a heavy vehicle, especially in steep or slippery conditions, increasing the traction force at the wheels
- tyres 385/65 R22.5;
- painted steel discs;

### **Electrical system and lighting:**

- LED contour lights;
- Yellow and white LED marking lamps with retroreflectors – a lighting and reflection system that ensures visibility and safety of the vehicle's contours in all conditions;
- one-way LED license plate lighting.

### **Hydraulic system:**

- single-circuit system, working pressure 250 bar;
- high pressure hose DN20;
- stabilizing 4-stage front telescopic cylinder (65 l of oil).

### **Tarpaulin system and accessories:**

- Electronically controlled EBS+RSS braking system with ALB – electronically controlled braking system with rolling stabilization support and automatic load-dependent braking, ensuring safe and precise braking in all conditions;
- ECAS with automatic lowering – an electronically controlled air spring system that automatically lowers the height of the trailer during dumping, improving stability and safety
- roll-up tarpaulin with a 4 m aluminum ladder;
- MEILLER fast clamp system, telescopic rods, automatically collapsible shaft bearings;
- tarpaulin colour RAL 9006;
- PVC fabric;
- tow hook;
- aluminum working platform – a durable and easy access platform that ensures safe work for servicing the tarpaulin system and access to high areas;
- document bag;

- 
- irreplaceable connectors with line filters;
  - mudguards with splash suppression;
  - Finisher switch – a safety switch that signals or locks a part of the tarpaulin/unloading system after completion of the work, ensuring safe transportation;
  - Argus type HDK DN20 hydraulic connections.

**Coloring:**

- environmentally friendly 2-layer two-component coating;
- axis unit with KTL (cathodic soaking) coating and phosphating (RAL 9005 deep black);
- standard RAL color on request;
- RAL 9006 discs; accessories RAL 9005/RAL 7021.

**Fifth-wheel height:**

- at idle 1 247 mm,
- with a load of 1 217 mm.

**Industry package:** sand, gravel and rubble for transport.

**Basic parameters:**

- Tank ~25 m<sup>3</sup>
- Gross weight (total permitted weight) – 44 000 kg (44 t)
- Load capacity - 37,950 kg
- Base weight – 5,800 kg
- Accessory weight – 250 kg
- Total mass of an empty semi-trailer – 6 050 kg
- ±3% production tolerance;

**MEILLER MHPS44.3N semi-trailer dimensions (dimensions)**

- Total length of the semi-trailer ~ 9.100 mm
- Wall height – 1.500 mm
- Width (standard for trailers in Europe): 2.550 mm
- Ground clearance (approximately, with standard tyres 1,217–1,247 mm): ~3,200 mm

**Cargo box dimensions:**

- Inner length: 7.6 m
- Internal width: 2.38 m
- Height: 1.5 m

**Guaranty:**

- **2-year warranty**