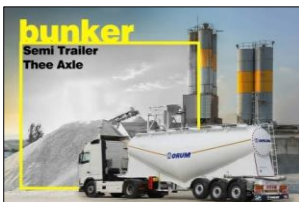
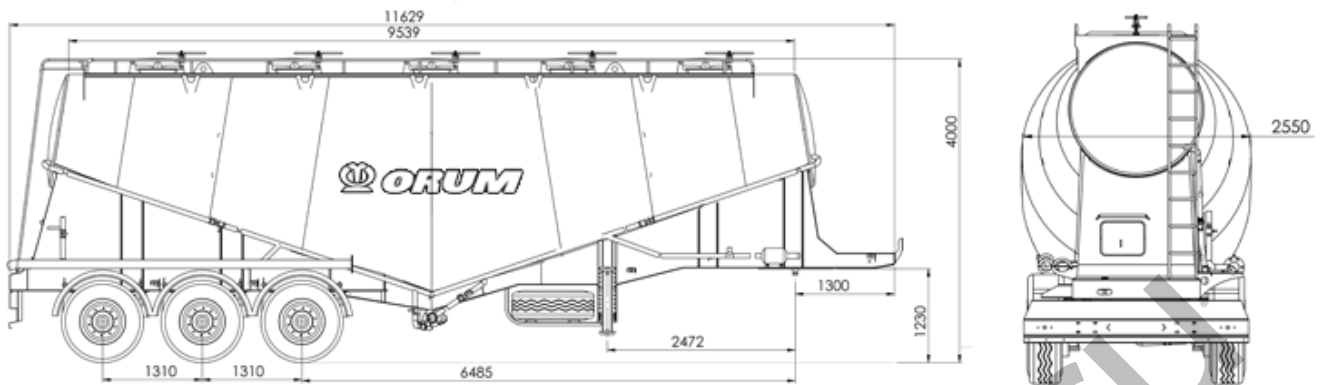


# Cement Bulker Semi Trailer 40 m3 - 3 Axle



## ORUM Bunker:

Bunkers are used in various industries to transport bulk materials in powder form. Bunkers depending to their body, are used to carry cement, flour and other edible powders. The working in closed and sealed space of bunker is simple: loading by gravity and discharging by compressed air. The series of valves located in the powder passage are opened and closed according to a specific sequence so that the content in separate compartments can be drained off in order. Bunkers don't have a separate chassis so it is quite necessary to think of some considerations in designing of the tank body so that it can be easily and safely joined to the axles and other sub-sections. Apparently during braking and other bunker maneuvers, all the longitudinal and lateral forces are transferred to the tank itself.

## Pneumatic Discharge:

To transfer contents of the bunkers, a small diesel compressor which is installed on the chassis provides required compressed air. The small diesel engine, which is usually air-cooled, operates a piston compressor. The compressor intakes air through the filters, squeezes it to a certain amount and consequently directs it into the hoses and piping system. This pressurized air first suspends the powder and then carries the suspended powder to required distance.

## Accessories:

- Front lift axle as Automatic
- Fix Rear bumper
- 60 Lit Water tank Mounting
- Holder for fire extinguisher
- Plastic chock
- 6 Semi circle mud guards and 2 Wheel chocks
- A toolbox
- Trailer park lock system
- With upper guard and walkway
- A 4 inch plastic discharge hose
- VINCI spare tire holder
- Corridor floor covered with corrugated sheet metal

## Options:

- Holding standard and certificate of welding inspection and dimensional control and pressure test under 2 bar
- Customized rims and spare Tires, motor and compressor
- Diesel motor along with air compressor for discharge

## Technical Specifications:

- Chassis Construction: Chassis and other metal pieces are made of high-strength steel (S500MC) with special fixture automatic Co2 argon welding machine.
- Body Construction: made of ST37 special 4 mm steel sheet
- Discharge system: 4 inch butterfly drain valve along with 2 inch control valves and one-way valve for compressor safety
- Suspension and axles: 3×9 ton EU Standard disc brake or drum brake, front lift axle
- Braking System: EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disk and Drum, Knorr<sup>®</sup> / Wabco<sup>®</sup>(Germany) Two double acting diaphragm brake chamber per axle .
- Landing Legs: Static Capacity 50 Tons & Dynamic Capacity 24 Tons (SAF) Germany
- Painting: Shot blasted, according to SA2/5 and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat
- Electric System: 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspöck with LED Type.
- King pin: A flange type 2 Inch SAF king pin made in Germany
- Suspension: axle with balloon air suspension system with special shock absorber Lower and Rise Capability of Trailer
- Tires: 6 pieces 385/65R22.5 (with manufacturer's guarantee)
- Rim: 6 single-piece rims 22.5 × 11.75

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