M.KI Tipper Trucks
Z.KI Central Axle Tipper Trailers
The Product Range.
The Rear Tipper for Motorised Vehicles.
High Performance Off-Road.

We build your tipper trucks using construction vehicles from all major manufacturers. The rounded bodies are made of high-strength HB 450 steel and mounted on the motor vehicle chassis with extremely torsion-resistant subframes in accordance with the manufacturer’s specifications. Naturally, we also offer you this solution as an assembly kit for your existing vehicles. Talk to us about it!
You select the motor vehicle and we mount your optimal tipper truck on any current three and four axle construction vehicle from the leading manufacturers. You can choose from between rounded steel bodies and steel box bodies with external reinforcing ribs and body volumes between 13.8 m³ and 19.1 m³, depending on the length of the vehicle and the application. We can also provide you with the high-quality Schmitz Cargobull tipper truck body as a precisely customised assembly set for your existing vehicles - Including the exterior paintwork on the body in your company colours.

Optimally designed Schmitz Cargobull tipper bodies are available for motor vehicles from these brands:

- DAF
- IVECO
- MAN
- Mercedes-Benz
- Renault Trucks
- Scania
- Volvo
We build steel box bodies to meet your project business requirements: Designed specifically for the operating conditions and bulk goods.

<table>
<thead>
<tr>
<th>Body length</th>
<th>4.5 m</th>
<th>5.0 m</th>
<th>5.5 m</th>
<th>5.8 m</th>
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<tr>
<td>Wall height (volume)</td>
<td>1,360 mm (13.8 m³)</td>
<td>1,360 mm (15.3 m³)</td>
<td>1,360 mm (16.8 m³)</td>
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<tr>
<td>1,460 mm (14.8 m³)</td>
<td>1,460 mm (16.5 m³)</td>
<td>1,460 mm (18.1 m³)</td>
<td>1,460 mm (19.1 m³)</td>
<td></td>
</tr>
</tbody>
</table>

**M.KI tipper truck – The advantages at a glance:**

- Tipper bodies for motor vehicles from all leading brands
- Available for three and four axle chassis
- The highest quality series production to your customised specifications
- Bodies in four lengths and two side wall heights
The subframe is mounted on the vehicle chassis according to the vehicle manufacturer’s assembly guidelines.

The extremely torsion-resistant dual diagonal-cross subframe transforms the vehicle and the body into a single extremely durable, safe and efficient unit.
On the way to the vehicle assembler: Tipper body as an assembly-ready kit.

For maximum safety when tipping: Torsion-resistant subframe and body design.
Pendulum Tailgates and Bodies for Every Application.

The recessed pendulum tailgate with chute enables controlled unloading close to the road paver and prevents the load from sliding beneath the vehicle towards running gear.

The external pendulum tailgate simplifies partial unloading and is optionally available with a top-mounted pendulum bearing.

Maximum opening angle: The hydraulic cylinder for operating the recessed pendulum tailgate...

... and is integrated into the upper lip to protect it.

Steel box body with recessed pendulum tailgate and chute.
The body position guide serves to guide the body into the right position while lowering the body when the vehicle is inclined sideways.

The mechanical locking hooks on the pendulum tailgate lock automatically.

The durable draw hooks on the tailgate are guided by a robust rods.

The tipping bearings on the body of a long service life and require little maintenance.

The bearings on the lifting hydraulics have a low-wear and torsion-resistant design.
Sophisticated Details.

- The protective plate on the front upper lip prevents damage caused by overflowing bulk goods.
- Side fender plates on the rounded steel body protect the running gear when loading.
- The robust underride guard is weight-optimised and folds up easily.
- Underride guard folded up for unloading close to the road paver.
The bracket for the integrated mudguard is mounted directly onto the subframe. The optional rear light protective gratings are made of corrosion-resistant steel.

Easily accessible spare wheel carrier

The maintenance-friendly hydraulics tank is integrated securely into the body.

The sensible option: The light-weight aluminium ladder is mounted above the mudguard using two clips.
The Tipper Tarpaulins.

The rollup tarpaulin covers the body flush with the lip and secures the load against the influence of the wind.

Removable tarpaulin with zig-zag anchoring.

Functional solution: Body with rollup tarpaulin.

Side ladder for load inspection.
The Program Overview.

Steel Rear Tipper Body for M.KI Motor Vehicles.

- Financing
- 24 h spare parts
- 24 h Euroservice
- Service partners
- Pendulum bearing
- Raised
- Double-hinged
- Pendulum tailgates
- Hydraulic tailgate
- Tarpaulin
- Rollup tarpaulin
- Rounded steel body
- Hydraulic tank
- Aluminium ladder
- Fire extinguisher
- Toolbox
- Water tank
- Spotlight
- 4-axle motor vehicle
- 3-axle motor vehicle
- UFS folding
The Z.KI central axle tipper trailers bring a flexible addition to your fleet for transporting bulk goods, packaged goods, pallet goods and technical equipment. The three-side tipper trailers provide additional loading capacity when you need.
The Three-Side Tipper Body.

With 10.3 m³ loading volume and without middle, the three-side tipper body of the Z.KI central axle tipper trailer not only provides you with a large capacity but also with a maximum of flexibility when loading and unloading: The single-piece side-walls and the tailgate are pendulum mounted, can be folded down and are available in weight-saving aluminium or wear-resistant steel.

The steep tipping bridge can be tipped to three sides using hydraulics. The bottom plate consists of wear-resistant HB 450 steel.

The screwed corner stanchions are made of galvanized fine-grain steel and can be easily adjusted using an eccentric cam.

The single-piece steel sidewall is a robust tank membrane construction.
Z.KI central axle tipper trailer – The advantages at a glance:

✓ Three tipping directions for universal range of applications

✓ Aluminium or steel side walls

✓ Extremely good manoeuvrability due to the central axle

Central axle tipper trailer with aluminium-sidewalls for optimized payload.

The central lock for the pendulum-mounted side-walls on the front bulkhead possesses an over-centre helper spring for rapid, safe locking.

Without middle stanchions: The folded down bulkhead provides optimal access to the tipping bridge.

The aluminium side walls can be opened and closed conveniently with the side wall raising aid on both sides.

The rear wall with the top-mounted pendulum bearing creates a large opening cross-section.
The Chassis and Accessories.

The divided rollup tarpaulin with the attached rear tarpaulin section for legally required load securing. The roof design is stabilised by a longitudinal member.

The odometer provides you with a reliable overview of the mileage.

The underride guard can be folded up in order to unload close to the road paver.

The hot galvanized, welded steel frame ensures a long service life.

The axle unit with air suspension and EBS is available with either disc brakes or drum brakes.
The Program Overview.

Z.KI Central Axle Three-Side Tippers

- Financing
- 24 h Euroservice
- Full Service
- 24 h spare parts
- Service partners
- Tyre service

- Odometer
- Aluminium wheel rims
- Fire extinguisher
- Stabilisers

- Pendulum bearing
- Top-mounted Pendulum tailgates
- Tarpaulin
- Rollup tarpaulin
- Roof frame

- Aluminium
- Steel
- Steel chassis
- UFS folding

- Disc brake
- Drum brake
- Rotos®
- Mrh
Technical Specifications
At a Glance

Tipper Trucks 19
Central Axle Tipper Trailers 20
## Technical Specifications

### M.KI Tipper Truck

#### Rear wall version

<table>
<thead>
<tr>
<th>Height</th>
<th>Floor</th>
<th>Bulkhead</th>
<th>Side</th>
<th>Rear wall</th>
<th>Pendulum tailgate/chute</th>
<th>Exterior pendulum tailgate</th>
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<tr>
<td>1,360 mm</td>
<td>6 mm</td>
<td>5 mm</td>
<td>5 mm</td>
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<td>●</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>8 mm</td>
<td>5 mm</td>
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<td>5 mm</td>
<td>●</td>
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</tr>
<tr>
<td>1,460 mm</td>
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<td>5 mm</td>
<td>5 mm</td>
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<table>
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<th>Floor</th>
<th>Bulkhead</th>
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<th>Hydraulic tailgate/chute</th>
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</tr>
<tr>
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<td>8 mm</td>
<td>5 mm</td>
<td>5 mm</td>
<td>5 mm</td>
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</tbody>
</table>

- ● = Available
- ● = Assembly time two weeks after delivery of a standard chassis
### Technical Specifications

#### Z.KI Central Axle

#### Tipper Trailer

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Tyres</td>
<td>385/65 R 22.5 (4 x)</td>
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<tr>
<td>Technical axle load</td>
<td>2 x 9,000 kg</td>
</tr>
<tr>
<td>Total weight</td>
<td>18,000 kg</td>
</tr>
<tr>
<td>Empty weight (aluminium side walls)</td>
<td>approx. 4,500 kg</td>
</tr>
<tr>
<td>Payload</td>
<td>approx. 13,400 kg</td>
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<tr>
<td>Supported load</td>
<td>1,000 kg</td>
</tr>
<tr>
<td>Spring track</td>
<td>1,300 mm</td>
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<tr>
<td>Track width (M)</td>
<td>2,040 mm</td>
</tr>
<tr>
<td>Overall length (LA)</td>
<td>7,055 mm</td>
</tr>
<tr>
<td>Overall width (BA)</td>
<td>2,530 mm</td>
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<tr>
<td>Drawbar height, loaded (Z)</td>
<td>840 - 960 mm</td>
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<tr>
<td>Free drawbar length</td>
<td>1,925 + 3 x 50/- 1 x 50 mm</td>
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<tr>
<td>Internal loading surface height</td>
<td>2,326 mm</td>
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<tr>
<td>Internal loading surface length (L)</td>
<td>4,900 mm</td>
</tr>
<tr>
<td>Dropside height</td>
<td>900 mm</td>
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<tr>
<td>Rear wall height</td>
<td>900 mm</td>
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<tr>
<td>Side tipping angle</td>
<td>48°</td>
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<tr>
<td>Rear tipping angle</td>
<td>50°</td>
</tr>
<tr>
<td>Loading volume</td>
<td>10,2 m³</td>
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</tbody>
</table>

All dimensions and weights are approximate. The data relate to a vehicle with base fittings without taking into consideration possible additional fittings. Issued: August 2010
Our Sales Divisions
in Europe

Addresses Germany  22
Addresses Europe  23

Always good advice: Our sales staff speak your language. At Schmitz Cargobull you have direct contact partners throughout Europe, who are immediately available to respond to your questions and take care of your needs.
## Our Sales Divisions in Europe

Schmitz Cargobull Sales are there for you - Throughout Europe. Call us when you have questions about new vehicles, used vehicles, financing, maintenance, insurance, spare parts supply and any other questions you may have about your trailer. Our specialists will listen to you, provide you with detailed information and work together with you to develop the customised solution for your company.

<table>
<thead>
<tr>
<th>Division</th>
<th>Address</th>
<th>Phone</th>
<th>Fax</th>
<th>E-Mail</th>
<th>Website</th>
</tr>
</thead>
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<td><a href="http://www.cargobull.com">www.cargobull.com</a></td>
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