

Container Tipping Trailer Specification Sheet

Skeletal container chassis from 5500kg tare, container tipping chassis and self-loading side lifters with a 37000kg lifting capacity.

20+	Years Manufacturing
40+	Countries Served
60,000+	Trailers Exported
420,000m ²	Factory Area
200+	Trailer Models

Factory: Liangshan, Shandong, China. Sales: Huizhan West Road 88, High-tech Zone, Jinan City, Shandong, P.R. China
Email sales@sinoheng.com | WhatsApp +86 186 6378 6580

The Problem This Family Solves

Container work is a weight and equipment problem. Every kilogram of chassis is a kilogram the loaded box cannot carry, and a site with no reach stacker cannot receive a container at all.

Core Advantages

- Skeletal chassis from 5500kg tare, the lightest build we make
- Hydraulic container tipping to 45-60 degrees for gravity discharge of bulk
- Self-loading side lifters with 37000kg lifting capacity and 32000mm stabilizer outreach
- Twist lock layouts configured for 20, 40 and 45 foot boxes
- Two, three and four-axle configurations for different route weight limits

Container Side Loader Container Side Lifter 40 Ton Side lifter Truck Trailer

A container side lifter that loads and discharges its own container without a crane, forklift or reach stacker on site. The crane set has a 37000kg maximum lifting capacity, a 4000mm working range and 32000mm stabilizer outreach, driven by a Kubota V2403-M-DI-E3B-CSL-1 engine rated 36.5kW at 2600 r/min to off-road Euro III. Maximum gross mass is 40000kg on a 14100x2500x4000mm trailer with 8000+1350+1350mm wheel base. The side lifter unit itself weighs 7250kg of the 14500kg curb mass, and the hydraulic system can also tip the container 45 to 60 degrees so bulk cargo slides out under its own weight.

Max Lifting Capacity	37000
Max Working Range	4000
Max Stabilizer Outreach	32000
Curb Mass	14500
Mass Of Side Lifter	7250
Maximum Gross Mass	40000
Semi-Trailer Outline Dimension	14100x2500x4000
Side Lifter Outline Dimension	1020x2500x2490
Wheel Base	8000+1350+1350
Track Front/Rear Axle	1820/1820/1820
Front / Rear Overhang	mm -/2370

Approach / Departure Angle	13
Engine Model	V2403-M-DI-E3B-CSL-1 Kubota V2403-M-DI-E3B-CSL-1
Power / Rotation Speed	36.5/2600
Emission Standard	Off-road, Euro III

Container Chassis Skeletal 20ft 2 axles Container Tipper Trailer China Manufacturer Direct Sale

A 20 foot two-axle container chassis at 7000*2470mm in steel, rated at 40 tonne maximum payload. The main beam is Q345B or ST52-3 structural steel, braking is a WABCO relay emergency valve, leaf springs are 90mm wide by 13mm thick in 10 layers, axles are FUWA on mechanical suspension with 12R22.5 tires, and the landing gear is a JOST two-speed unit. The chassis carries TS16949 certification. It is the tipping version, so the hydraulic system can tilt the container 45 to 60 degrees to discharge bulk cargo under gravity.

Use	Truck Trailer
Type	20ft 2 axles Container Chassis
Material	Steel
Size	7000*2470mm
Max Payload	40T
Axle	FUWA
Suspension	Mechanical
Tire	12R22.5
Certification	TS16949 Leaf Spring 90(W)mm*13(thickness)mm*10Layers Main Beam Q345B/ST52-3 Brake WABCO Relay Emergency Valve
Landing Gear	JOST Brand Two-speed

Transport Semi-trailer Shipping Container Skeleton Three Axles Frame Skeletal Semi Truck Trailer China Factory

A three-axle skeletal frame chassis for shipping containers, at 5500kg tare and 34500kg payload inside a 40000kg gross, all plus or minus 5 percent. At 5500kg this is the lightest chassis we build, because a skeletal frame carries only the container corner castings and the load path between them, with no deck, sides or floor to add weight. Every kilogram saved is a kilogram of container cargo. Axles are three FUWA 13T sets on reinforced mechanical suspension, landing gear is FUWA 28T, kingpin is JOST 50# or 90#, braking uses 30/30 chambers on the rear two axles with a WABCO valve, and lighting is 24V LED.

Type	3 axle frame transport semi-trailer Parameter
Tare Weight	(kg) 5,500 kg(±5%)
Payload	(kg) 34,500 kg(±5%)
Gross Weight	(kg) 40,000 kg(±5%)
Axle	FUWA 13T, 3 sets
Suspension	enforced mechanical
Landing Gear	FUWA 28T
Kingpin	JOST brand 50#or 90#
Brake System	30/30 type on rear two axles, WABCO brake valve
ABS	Non
Electrical System	24V, LED lamp

Skeletal Container Tipper Trailer Semi Trailer for Sale China Factory for Sale

A skeletal container trailer with tipping capability, at 5700kg tare and 54000kg payload for a 61000kg gross, all plus or minus 5 percent. That combination is unusual: a skeletal frame is normally the lightest chassis you can buy but cannot discharge bulk, while a tipping chassis normally costs weight. This build keeps the tare at 5700kg and still tilts the container to 45-60 degrees for gravity discharge. Axles are 13T in 2, 3 or 4 pieces from BPW, FUWA, Yonglitai, Huajin or another Chinese brand on mechanical suspension, with two spare wheel brackets, a 28 tonne JOST or FUWA landing gear, 24V LED lighting with a 7-way receptacle, and optional ABS.

Type	Skeleton semi-trailer Parameter
Tare Weight	(kg) 5,700 kg(±5%)
Payload	(kg) 54,000 kg(±5%)
Gross Weight	(kg) 61,000 kg(±5%)
Axle	13T,2/3/4 pcs,BPW or FUWA or Yonglitai or Huajin Brand or other china brand
Suspension	Mechanical
Spare Wheel Bracket	2 pieces
ABS	Optional upon choice
Landing Gear	Standard 28Ton, JOST brand or FUWA brand or other china brand.
Electrical System	1.Voltage:24V, LED lights 2.Receotacle:7 ways (7 wire harness)

Container Tipping Trailer Questions

How Light Can a Container Chassis Be

Our skeletal frame runs at 5500kg tare, which leaves 34500kg of container cargo within a 40000kg gross.

What Does a Side Lifter Do

It loads and unloads its own container using an onboard crane, so no reach stacker or crane is needed at either end of the journey.

Can a Container Chassis Discharge Bulk

The tipping versions can. The hydraulic system tilts the container to between 45 and 60 degrees so bulk cargo slides out under its own weight.

Which Container Sizes Can You Configure

Twist lock layouts for 20, 40 and 45 foot boxes. Tell us which sizes you handle and we will set the positions.

Fixed or Sliding Chassis

Both are available. A sliding chassis handles more container lengths; a fixed chassis is simpler and lighter.