



# Mine Wagon



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# Changsha Mining Equipment Co., Ltd.

## Your Trusted Partner in Global Mining Operations

For over a decade, Changsha Mining Equipment Co., Ltd. (CSME) has been a cornerstone of the mining industry, dedicated to engineering robust and efficient equipment that drives productivity and safety in mining operations worldwide.

### Comprehensive Product Portfolio

CSME delivers integrated solutions across the entire mining chain, engineered for durability and peak performance in the most demanding conditions.

**Haulage & Transportation:** Underground dump trucks, scooptrams, and conveyor systems built for maximum payload and reliability.

**Hoisting & Lifting:** Mine hoists, winches, and elevators engineered for the safe and efficient vertical movement of personnel and materials.

**Mineral Processing:** Crushers, ball mills, and separators designed to optimize mineral recovery and processing efficiency.

### Proven Global Credentials

Our equipment has earned the trust of clients in over 20 countries across Asia, Africa, the Americas, and Europe. From the copper belts of Africa to the terrains of South America, the CSME trademark is a globally recognized symbol of performance and resilience.

### The CSME Assurance: Our Pillars of Strength

Our commitment is upheld by three core pillars that guarantee value from inquiry to operation:

**Expert International Team:** Navigating logistics and trade complexities to ensure a seamless procurement experience.

**Rigorous Quality Control:** Quality is our foundation. We enforce stringent inspections at every stage, from sourcing to assembly, because your trust depends on the reliability of our equipment.

**Dedicated After-Sales Support:** We provide end-to-end support, including installation supervision, operational training, and readily available spare parts to maximize your operational uptime.

### Our Pledge

We partner with our clients to deliver the most operationally suitable and economically competitive solutions. At CSME, we survive on quality, and your trust is our motivation. We pledge to continue providing superior equipment and total mining solutions that empower your business for the future.

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# MGC Series Fixed Mining Wagon



The MGC Series Fixed Mining Wagon stands as a cornerstone of rugged and reliable underground material handling. Engineered for exceptional durability and heavy-duty performance, this robust wagon effortlessly manages the most demanding transport tasks with impressive load capacities, such as the 5.3-ton maximum of the MGC3.3-9 model.

Its solid, high-strength construction ensures longevity in harsh mining environments, providing a dependable solution for continuous operation. A key to its versatile application is the optimized weight distribution and secure coupling system, allowing for safe and efficient operation within varied mine layouts.

This commitment to intelligent design ensures seamless integration into existing workflows, maximizing productivity across different operational scales and conditions.



Model	MGC1.7-6	MGC1.7-9
Volume(m <sup>3</sup> )	1.7	1.7
Theoretical Capacity(T)	1.5	1.5
Max. Load(T)	2.7	2.7
Gauge(mm)	600	900
Wheel Base(mm)	750	600
Wheel Diameter (mm)	300	350
Traction(KN)	60	60
Traction Height(mm)	320	320
Overall Size(L*W*H)	2400x1050x1200	2100x1150x1300
Weight(≤kg)	720	970

  

Model	MGC1.1-6	MGC3.3-9
Volume(m <sup>3</sup> )	1.1	3.3
Theoretical Capacity(T)	1	3
Max. Load(T)	1.8	5.3
Gauge(mm)	600	900
Wheel Base(mm)	550	1100
Wheel Diameter (mm)	300	350
Traction(KN)	60	60
Traction Height(mm)	320	320
Overall Size(L*W*H)	2000x880x1150	3450x1320x1300
Weight(≤kg)	610	1320

Designed with a focus on stability and efficiency, the wagon features a thoughtfully engineered chassis and a resilient running gear, contributing to smooth and secure travel along mine rails. The consistent 60KN traction force across the series guarantees powerful hauling capability.

Whether navigating tight corners or long, straight haulages, its reliable design, exemplified by the substantial 3450mm length of the largest model, offers superior operational confidence for your mining logistics.

# KFU Series Bucket-Tipping Mining Wagon



The KFU Series Bucket-Tipping Mining Wagon offers an indispensable solution for efficient, rapid unloading in confined underground spaces.

Engineered with a robust and reliable tipping mechanism, it is perfectly suited for medium-duty operations in narrow-vein mines, development tunnels, and other environments where speed and maneuverability are paramount. Its versatile design accommodates a range of loads, with the largest model efficiently handling a significant 3-ton payload.

The defining feature of this wagon is its innovative, manually operated tipping system, which allows for clean and complete discharge of bulk materials—such as ore, waste rock, or backfill—directly to the desired location. This eliminates the need for time-consuming manual shoveling, dramatically accelerating the loading and unloading cycle.



Model	KFU0.55-6	KFU0.75-6
Volume(m <sup>3</sup> )	0.55	0.75
Load(T)	1.3	1.88
Gauge(mm)	600	600
Wheel Base(mm)	500	600
Wheel Diameter(mm)	300	300
Traction(KN)	60	60
Traction Height(mm)	320	320
Overall Size(LxWxH)(mm)	1552*850*1150	1700*980*1250
Model	KFU1.0-6	KFU1.2-6
Volume(m <sup>3</sup> )	1	1.2
Load(T)	2	3
Gauge(mm)	600	600
Wheel Base(mm)	600	700
Wheel Diameter(mm)	300	300
Traction(KN)	60	60
Traction Height(mm)	320	320
Overall Size(LxWxH)(mm)	1910*1070*1300	2228*1070*1320

The carefully balanced design, including a stable wheelbase, ensures smooth tipping action and secure repositioning, while the consistent 60KN traction ensures dependable hauling.

Built with a resilient, reinforced body and high-grade components, the KFU Series is constructed to withstand the relentless demands of daily mining operations. Its durable structure resists impact and corrosion, ensuring long-term service with minimal maintenance.

This combination of thoughtful engineering, rugged construction, and operational efficiency makes it an exceptionally productive and cost-effective asset for enhancing material handling workflows in challenging underground conditions.

# MCC Series Side Dump Mining Wagon



The MCC Series Side-Discharge Mining Wagon, utilizing a unique curved-rail mechanism, represents a pinnacle of efficient and reliable bulk material handling for heavy-duty industrial operations. Its innovative design allows for seamless, continuous unloading: as the wagon moves along a specially installed curved track, its container automatically tilts to a precise 40-degree angle, enabling a complete and rapid discharge of contents from the side without the need to stop.

This ingenious curved-rail side-discharge principle is engineered for exceptionally smooth operation, making it the ideal solution for high-volume transport in main haulage tunnels, large-scale mining operations, and processing plants where minimizing cycle time is critical.

This wagon excels in environments demanding robust, continuous workflow. It is perfectly suited for integrated production lines, serving as a vital link between loading points and crushers, hoppers, or conveyor belts.



Model	MCC0.7-6	MCC1.2-6	MCC1.6-6	MCC2-6	MCC2-7
Volume(m <sup>3</sup> )	0.7	1.2	1.6	2	2
Carring Capacity(t)	1.75	3	4	5	5
Track Gauge(mm)	600	600	600	600	762
Length(mm)	1650	1900	2500	3000	3000
Width(mm)	980	1050	1200	1250	1250
Height(mm)	1050	1200	1300	1300	1300
Wheelbase(mm)	600	600	800	1000	1000
Wheel Diameter(mm)	300	300	350	400	400
Height of Traction(mm)	320	320	320	320	320
Traction(KN)	50	50	60	60	60
Unloading Angle(°)	40	40	40	40	40
Own Weight(Kg)	750	1000	1670	1830	1880

Model	MCC2.5-6	MCC2.5-7	MCC4-7	MCC4-9
Volume(m <sup>3</sup> )	2.5	2.5	4	4
Carring Capacity(t)	6.25	6.25	10	10
Track Gauge(mm)	600	762	762	900
Length(mm)	3500	3500	3900	3900
Width(mm)	1250	1250	1400	1400
Height(mm)	1300	1300	1650	1650
Wheelbase(mm)	1100	1100	1300	1300
Wheel Diameter(mm)	400	400	450	450
Height of Traction(mm)	320	320	430	430
Traction(KN)	60	60	60	60
Unloading Angle(°)	40	40	40	40
Own Weight(Kg)	2510	2510	3230	3300

The design ensures maximum operational uptime by eliminating the delays associated with manual or stop-start unloading methods. With a formidable carrying capacity of up to 10 tons and available in track gauges from 600mm to 900mm, it offers versatile and powerful performance for the most demanding material transfer tasks, from dense ores to excavated rock.

Its rugged chassis, reliable traction system, and durable tipping mechanism guarantee long-term service with minimal maintenance. This combination of intelligent automated functionality, exceptional strength, and unwavering reliability makes it an indispensable asset for operations seeking to achieve superior productivity, safety, and cost-efficiency in their material logistics.