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Local contact



TLK Serie

Underground Dump Truck



To be the leading supplier of engineering transportation solution and equipment

TLK Series Underground Dump Truck

The TLK series underground dump truck is a special equipment that is suitable for transportation on the ramp in underground mine and conforms to the requirements of national safety mark for mining products (KA).

- High safety and reliability:

The air brake system is provided to make braking more reliable. Safety measures are taken to ensure safe operation, including engine exhaust brake, high-torque hydraulic power steering gear, single-sided conventional cab, framed skin structure, and full-coverage dump body cap.
- Low consumption and environmental protection:

With four-valve technology, the engine fuel burns fully and efficiently. Professionally matched engine power, transmission gear and drive axle speed ratio make the vehicle run fast, consume less fuel and reduce overall emissions.
- Mature technology:

All the main assemblies are jointly developed with domestic professional manufacturers and adapted to different working conditions, making the vehicle stable, technically mature and reliable in all aspects such as transmission system, brake system and bearing system.
- Strong power:

In view of steep slope, uneven roads, wading and slippery pavement, drive axle is high in specific power, specific torque and speed ratio, enabling the vehicle to start smoothly on the ramp and have good gradeability, sufficient power and high cycle efficiency.
- Flexible mobility:

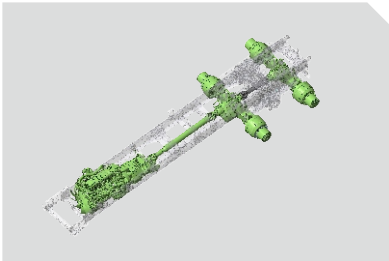
The chassis and cab are professionally designed, with compact overall structure, low center of gravity and small turning radius. The vehicle can run flexibly and freely in tunnels with unfavorable conditions such as narrow space, steep slope and sharp curve.
- Strong bearing capacity:

The flexible frame is made of high-strength beam steels dedicated for dump truck to reduce the impact and damage to the frame during material loading. High-tonnage axles, OTR radial tires and reinforced rims enable the vehicle to achieve better load-bearing performance.

TLK Series Underground Dump Trucks Main Parameters			
Product Model	TLK321	TLK361	TLK451
Engine (hp)	Yuchai 330	Yuchai 350	Yuchai 400
Transmission	FAST 7DS100	FAST 7DS135	FAST 7DS180
Axle Assembly (t)	HANDE (6.5+16+16)	HANDE (9.5+16+16)	HANDE (9.5+16+16)
Lifting System	Dual-cylinder	Dual-cylinder	Dual-cylinder
Tire Spec	10.00R20	12.00R20	12.00R20
Container(m³)	8.8U-shaped container	11.8U-shaped container	15U-shaped container
Dimensions (L×W×H) (mm)	7610×2490×2590	7660×2610×2680	8600×2610×2920
Min. turning radius (m)	20	21	22
Loading Height (mm)	2200	2450	2780
Max Unloading Height (mm)	5550	5600	5780
Max GVW (t)	32.5	38.8	45.5

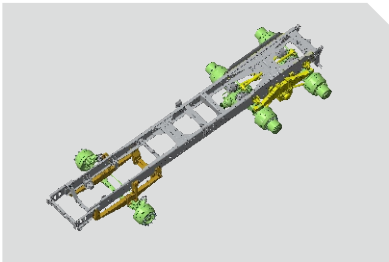


Main System Features



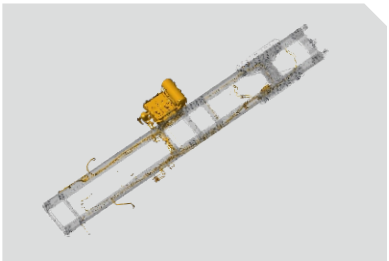
① Deep professional development for strong power

According to the 20-year experience of Tonly in studying the mining conditions, the power system is professionally adjusted. In view of steep slope, uneven roads and wading in the tunnels, the drive axle is designed with high specific power and double reduction, enabling the vehicle to start smoothly and have good gradeability, fast speed and high efficiency.



② Strong versatility, stable bearing capacity

All the main assemblies are jointly developed with domestic professional manufacturers and adapted to different working conditions, making the vehicle's bearing system stable, technically mature and reliable. The dual-reduction drive axle and high-strength frame both of HANDE cast steel structure have been verified in mining practices for many years.



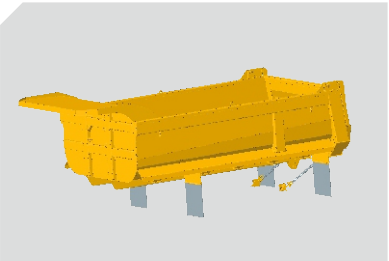
③ Reliable braking performance

With four-circuit braking system, the brake system can actualize faster heat dissipation, higher braking torque and high braking efficiency. Effectively ensure the safe operation in mining area.



④ U-shaped container, good looking and wear-resistant

The container is made of high strength mine vehicle materials and provided with a semi-rigid frame to reduce the impact and damage to the frame during material loading. Specifically, the U-shaped container is made of wear-resistant steel plates to effectively reduce the vertical impact of materials, decrease the deformation of dump body, and extend its service life.



⑤ Move flexibly in tunnels

By fully investigating the working conditions of tunnel dump truck and tunnel mining process, the chassis and cab are professionally designed to realize transportation under unfavorable conditions such as steep slope and small turning radius, enabling the vehicle to move flexibly in narrow spaces.



⑥ Chassis undercoating, corrosion-resistant and durable

All the components of the vehicles are machined with electrophoresis-based anti-rust process, which is more satisfactory for alkali or acid resistance in different metal mines. Additionally, chassis undercoating is applied to effectively improve the corrosion resistance of the components.



Zero-distance Intimate Services

» “Zero-distance” Services

Specific
“zero-distance”
services

“Zero-distance” personnel, “zero-distance” accessories, “zero-distance” technical support, “zero-distance” training, “zero-distance” communication

Target

To build the first service brand in the dump truck industry

Commitment

Attendance rate: The attendance rate of equipment shall not be less than 90% during the warranty period.

Service
Response
Mechanism

Arrive at the site within 2 hours

Resolve common fault within 1 day (24 hours)

Provide solution for special fault within 2 days (48 hours)

Resolve major fault within 3 days (72 hours)

3 arrivals:Service personnel, accessories and training personnel arrive at the construction site synchronously with the vehicle.

» Technical Support

Lifelong technical
consulting services

Lifelong technical
upgrade and improvement
service for products

A full range of solutions
for mine engineering
transportation

» “Professional” training

Targeted planning and operation training, maintenance training, management personnel training, safety training, and specialized training.

Technical Hotline:
029-38001222

Service Hotline:
029-33687772 400-6863853

Product Application



Tonly tunnel dump truck works in Tongguan Gold Mine, Shaanxi.



Tonly tunnel dump truck works in mine lot, Yunnan.



Tonly tunnel dump truck works in Huibaoling Iron Mine, Shandong.



Tonly tunnel dump truck works in Zijin Mining.