



Excavator Rock Ripping Bucket Aggressive Tooth Design For Quarry Operations

Our Product Introduction

for more products please visit us on excavatorlongarm.com

Basic Information

- Place of Origin: China
- Brand Name: Zhonghe Machinery
- Certification: CE, patent, ISO
- Model Number: CLB0024
- Minimum Order Quantity: 1 set / piece
- Price: USD \$500-12800/sets
- Packaging Details: bubble / wooden cases
- Delivery Time: 20-30/works
- Payment Terms: T/T, L/C
- Supply Ability: 800 sets



Product Specification

- Material: Q355B, Q690D, Or Others As You Request
- Apply To: 6-100ton Excavator
- Warranty: 6 Months
- Product Name: Excavator Telescopic Boom
- Condition: New
- Color: As Customer Requires
- Application: Excavator
- Weight: 320-5600KGS
- Certification: ISO9001, ISO CE
- Oem: Available
- After-sales Service Provided: Online Support, Video Technical Support
- Technique: Advanced Techniques
- Oem/odm: Acceptable
- Capacity: 0.25-4.5 Cbm



More Images



Product Description

Excavator rock bucket for quarry operations Excavator bucket for rock and soil High-strength rock bucket attachment

I. Features of Excavator Rock Bucket

Heavy-Duty Construction: Made from durable steel to withstand the rigors of heavy excavation work.

Aggressive Tooth Design: Equipped with sharp teeth that enhance digging capabilities in rocky soil.

Adaptable Sizing: Offered in various sizes for different excavator models and job site needs.

Loading Efficiency: Designed to maximize material handling efficiency, allowing for quicker job completion.

Robust Wear Plates: Incorporates wear plates to protect against abrasion and extend bucket life.

Hydraulic Performance: Optimized for hydraulic efficiency, contributing to lower operational costs.

Quick Connect Feature: Facilitates fast attachment and detachment, improving workflow on the job site.

II. Details of Excavator Rock Bucket



Zhonghe Machinery Heavy Duty Rock Bucket



Improve your productivity with our Heavy Duty Rock Buckets (also known as Digging Buckets or Heavy Duty Buckets). Our Rock Buckets are unique in their extensive wear protection, high penetration teeth, fully integrated head mounts and dual radius design to ensure high strength capabilities and maximum attachment life. The new and improved design of our Rock Buckets is overall stronger and safer than other buckets on the market.

More details, pls contact Ada.

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High Penetration Rock Teeth

Allows easy penetration & even wear over time. This helps to maintain optimal performance in tough conditions, for more consistent on-site productivity.



Reinforced Wear Protection

Protection in high-contact areas, including reinforced side plate and side cutter with added sidewall chocks, floor strips and gussets; This protects the bucket from ongoing wear and unnecessary maintenance.



Fully Integrated Head Bracket

Head bracket integrated into torsional bar with reinforced gussets to enhance structural integrity and long-term performance. This prevents deformation from torsional stress.



Double-layer wear-resistant plate

The bottom plate is made of wear-resistant material, and double-layer wear-resistant plate is added to extend the service life. NM360, Hardox500, Q355B and other materials are optional.



Dual Radius Design

Reducing drag and maximising breakout to increase digging efficiency and maximising bucket lifespan.



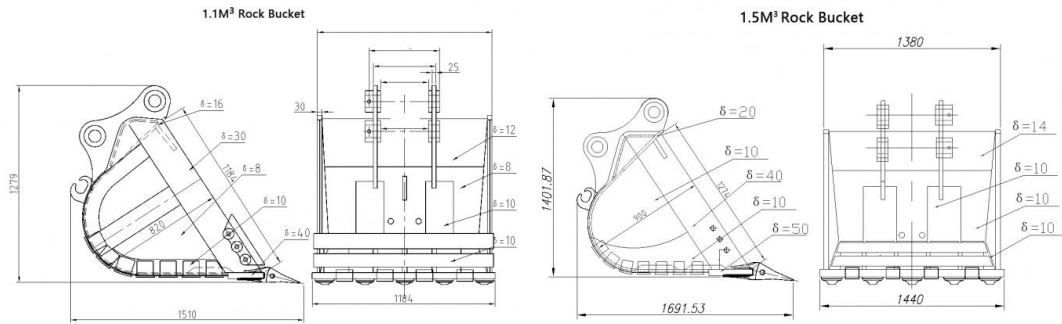
Superior Bulk Dynamics & Improved Geometry

Increased loading capacity and reduced drag for optimised production efficiency to save time and reduce job timelines.

Advantages of Excavator Rock Bucket

1. Sidewall with anti-collision block guard, reduce weariness
2. Adopt DIAMOND bucket teeth and teeth base
3. Anti-wear teeth base blocks
4. Materials: NM360, Hardox500, Q355B optional
5. Add wear resistance blocks
6. Double-layer wear-resistant plate to reinforce
7. The overall opening is narrow, designed according to the original design of Cat bucket, which improves the excavation force and is suitable for stonework.

Excavator Heavy Duty Bucket Parameter Reference



| Bucket capacity (M3) | excavator model (Ton) | weight (KG) |
|-------------------------|--------------------------|----------------|
| 0.8m3 | 18-20T | 860kg |
| 1.2 | 20-22T | 1200kg |
| 1.3 | 22-25T | 1300kg |
| 1.4-1.7 | 30-35T | 1850kg |
| 1.8 | 35-38T | 2000kg |
| 2-2.5m3 | 40-45T | 2500kg |
| 2.6-2.7 | 45-50T | 3000kg |
| 3-3.3.8 | 50-90T | 6000kg |
| 4-4.5 | 70-90T | 854800kg |

If you need other sizes or more details, please feel free to contact us!!!

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III. Describing the working conditions suitable for an excavator rock bucket



Zhonghe Machinery Heavy Duty Rock Bucket



Quarry Operations: Best used in quarries for extracting hard rock materials.

Mining Sites: Suitable for mining sites dealing with heavy and solid rock.

Demolition Areas: Effective for demolition work involving heavy rock and concrete structures.

Construction Projects: Ideal for construction projects that require significant rock removal.

Rugged Terrains: Perfect for rugged terrains where other buckets may fail.

Roadworks: Useful in roadworks that require excavation of rocky soil.

Site Clearance: Suited for site clearance projects with rocky ground.

Earthmoving Applications: Excellent for earthmoving applications requiring strength and durability.

□

What is the purpose of beveling the long boom arm plate?

Most welding machines commonly used in the industry have a penetration depth of only 3mm. Since the thickness of our long arm plate is at least 8mm, without beveling, the welder would not be able to fully penetrate through the entire joint. This would result in weak welds, leading to issues such as weld cracking in the future.

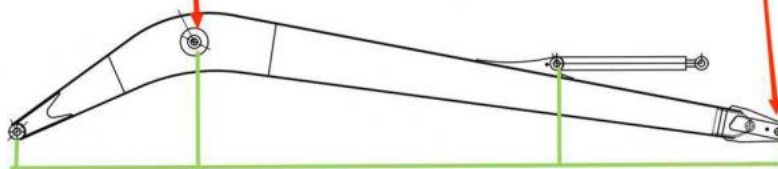
We employ mechanical beveling, whereas other factories rely on manual beveling (as shown in the figure).

High precision machine of Zhonghe Machinery Manufacturers

Double-sided boring lathe



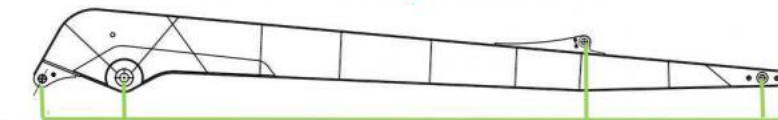
After the excavator boom and arm are assembled, the pins on the boom are drilled to ensure that the pins on the boom are parallel to each other and the cross section of the pin hole is perpendicular to the pin. The double-sided boring machine of the boom makes the hole position more accurate and the quality higher.



Make sure the cross section of the pin hole is perpendicular to the shaft.



Make sure the axis is parallel to the axis



Make sure the cross section of the pin hole is perpendicular to the shaft



Make sure the axis is parallel to the axis

Large Floor-Standing Double-Sided Boring and Milling Lathe:

Improved Accuracy and Consistency: The double-sided boring and milling lathe enhances the precision and uniformity of operations, ensuring consistent results.

Post-Welding Processing: After the welding process, the machine performs overall boring, ensuring the parallelism and perpendicularity of shaft holes.

Primary Applications: Primarily used for post-weld boring of the boom, small arm, and bucket, ensuring the accuracy and

proper alignment of the boom.

Simultaneous Boring on Both Sides: The lathe performs boring on both sides at the same time, guaranteeing identical precision and consistency on both sides.

About Zhonghe Machinery Company Profile:



Kaiping Zhonghe Machinery Manufacturing Co., Ltd.

Kaiping Zhonghe Machinery Co., Ltd. was established in 2018, focusing on manufacturing and trading customized excavator booms and accessories. Located in Cuishan Lake New District, our 21,000 m³ workshop features state-of-the-art machinery. Our team consists of more than 100 experienced technicians, including 50 welders, and 30 senior designers. Our innovative R&D department holds over 100 patents, enabling us to produce up to 800 sets of excavator equipment each year, adhering to strict quality standards.

CE certification & Utility model patent certificates



Our products have been exported to over 60 countries, utilizing various transportation methods such as sea, land, and air freight. For packaging, we use either wooden crates or stretch film to secure the products. Before shipment, the goods are carefully packaged and then loaded into containers to ensure their safety during transit.

Packaging & Shipping



FAQ(Some frequently asked questions):

Q: Are you a manufacturer?

A: We are a manufacturer/supplier of excavator arms and attachments. We have a super large factory. The factory area is several times that of our competitors. It is the largest excavator attachment factory in Guangdong Province. It has complete production equipment and its products have been exported to more than 60 countries around the world.

Q: Why choose Zhonghe over any other companies?

A: We have a professional production team and design team to provide each customer with high-quality and personalized customer service to ensure correctness, so we have good reputation in China, and our annual sales are among the best in our country.

Q: What can I get from you?

- A: 1. The product is made of Q355B steel, a superior and sturdy material on the market, and the steel is cut with a 45-degree slope and then gas welded, making it more sturdy and 30% longer lifetime than normal materials.
2. All accessories are included, no additional purchases are required. Professional online video guides installation to make installation worry-free.
3. Lifetime free online customer service consultation if you have any questions.

Q: How do I start to order?

A: Firstly, talk to our sales about your machine model, working conditions, special needs and deadline. Then our sales will give you proposals FYR. You will receive a quotation ASAP after confirming the proposal.

Q: What are your terms of payment?

A: We prefer T/T (50/50) through Ali Credit Insurance as a trial order.

Q: Are you always delivered on time?

A: We can't promise about the sea freight but what we can do is shorten our lead time while keeping the same quality level. So there will not be any problem even if the sea freight is delayed for a couple of days.

Any information, pls contact Ada!!!!

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