

Heavy Duty 45-55 Ton Excavator Rock Boom Rock Arm for Mining Quarry Fit for CAT349 Komatsu PC550 Hitachi EX550 SANY SY500

Our Product Introduction

for more products please visit us on excavatorlongarm.com

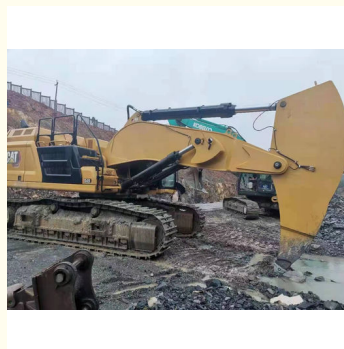
Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZHONGHE
- Certification: CE
- Model Number: EC480
- Minimum Order Quantity: 1 piece
- Price: \$27000/pieces
- Packaging Details: Bubble bag packaging
- Delivery Time: 20-30 work day
- Payment Terms: T/T
- Supply Ability: 10 Piece/Pieces per Month

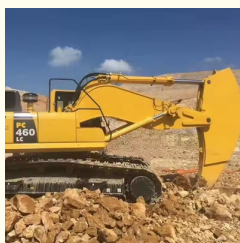


Product Specification

- Brand Name: ZHONGHE
- Product Name: Excavator Rock Arm
- Application: Mining And Construction
- Moving Type: Crawler Excavator
- Material: Q355B/Q690D
- Color: As Customer Requirements
- Warranty: 6 Months
- MOQ: 1 PCS
- Condition: 100%New
- Packing: Standard Packing
- After-sales Service Provided: Online Video Support



More Images



Product Description

Our Product

Excavator Rock Arm

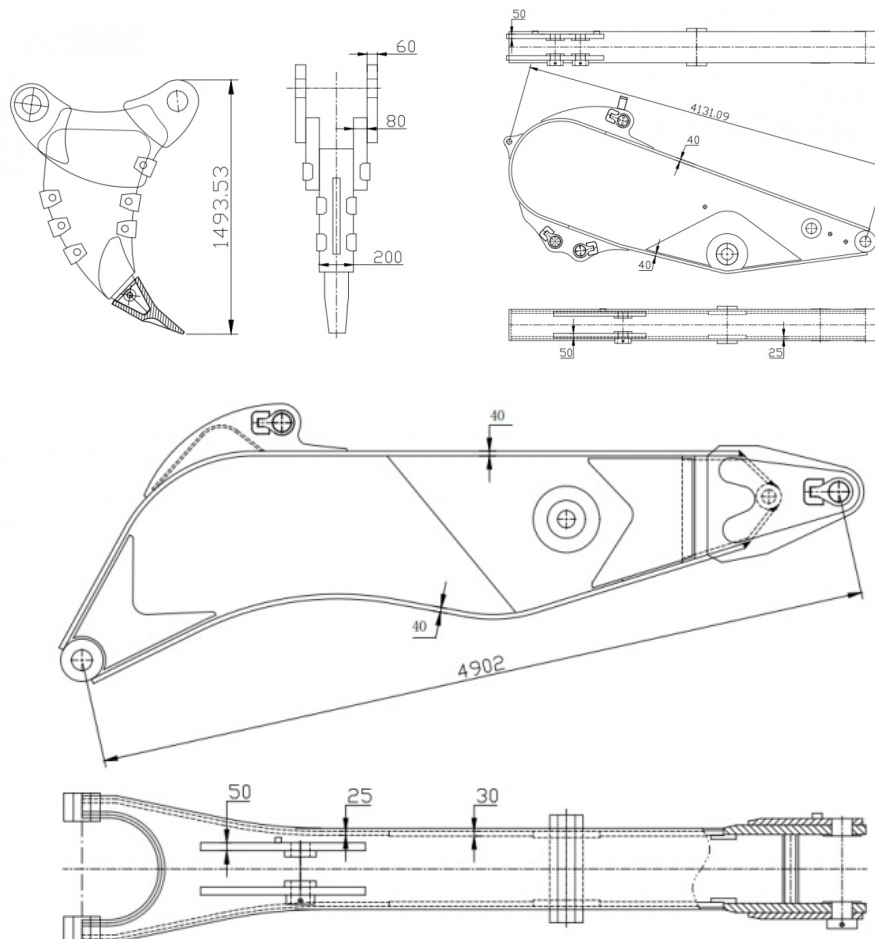


Rock Arm Customization

- *Applicable for all brand excavator.
- *Color, length, material can do according to you.
- *Made of Q355B or Q690D steel with good strength and rigidity.



PRODUCT DESCRIPTION



PRODUCT DESCRIPTION



What is an excavator rock ripper boom/rock boom?

The rock arm is also called the burst arm, the eagle beak arm, and the excavator super hook.

The heavy-duty rock arm of the excavator is an excavation and crushing tool designed for processing weathered rock and shale. Under normal circumstances, the standard-arm ripper cannot work, and the working efficiency of the breaker is relatively low, unable to meet engineering needs and create greater profits.

Compared with traditional blasting operations, rock arm operations have high efficiency, low crushing costs, and low maintenance costs. The rock arm is a solid arm, with iron sand filled in the boom and arm. It has a deeper excavation, stronger excavation force, high efficiency and longer service life. It is suitable for working conditions where the rock strength is less than 30 MPa.

□

PRODUCT ADVANTAGES



Advantages

1. Inverted Bucket Cylinder

Effectively prevents damage to the piston rod from potential impacts during excavation, reducing operational risks and maintenance costs.

2. Enlarged and Weighted Arm

Delivers greater digging force, making operations easier and increasing overall efficiency.

3. Tapered Thickness for Arm and Ripper

Reduces digging resistance and allows the ripper to be fully inserted into the working surface, enabling deeper excavation and ensuring a full bucket load with every pass.

4. Integrated Boom Head

Features a robust, high-strength, one-piece design that effectively minimizes the risk of cracking during heavy-duty operations.

5. Through-Pin Design for Lifting Points

Requires higher manufacturing precision and ensures superior concentricity; this reduces wear, extends service life, and enhances overall durability.

6. Optimized Lift Cylinder Pivot Points

Facilitates faster and more responsive lifting of the boom and arm, thereby boosting operational efficiency.

7. Linkage-Free Design for Arm and Ripper

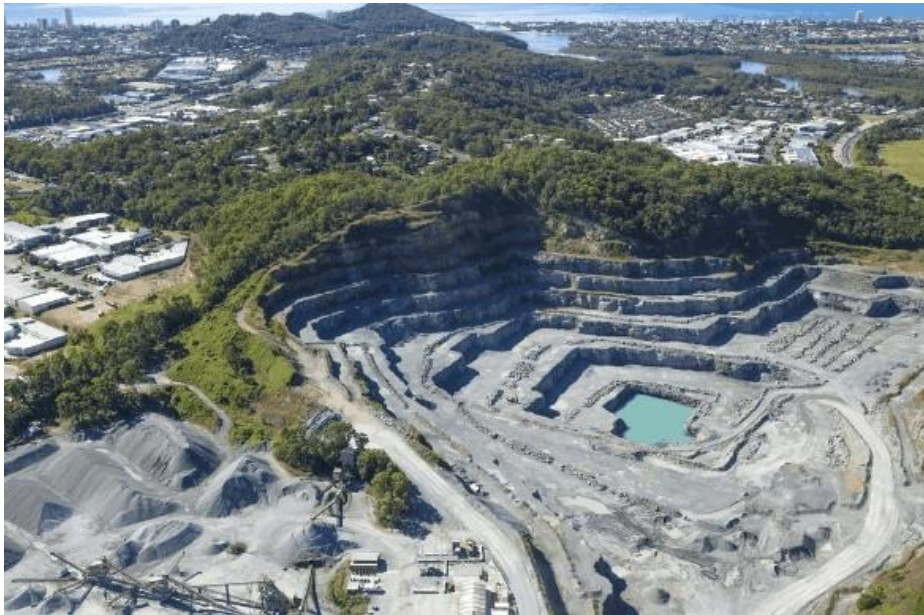
Eliminates the need for a linkage mechanism, resulting in powerful digging force and the capability to excavate along slopes.

8. Reinforced, Oversized Cylinders

Equipped with a 150mm piston rod for the bucket cylinder and a 140mm piston rod for the arm cylinder, providing higher flow capacity, greater force, and increased power. The bucket cylinder incorporates a built-in protective device to enhance its durability.

Suitable Working Conditions

1. Breaking Hard Rocks: Suitable for granite, basalt, and other hard rocks. Commonly used in mining and quarrying for efficient rock breaking.
2. Handling Weathered Rocks and Shale: Ideal for excavating and breaking weathered rocks and layered shale.
3. Tunneling and Underground Projects: Effective for hard rock excavation in tunnels and underground construction.
4. Foundation and Demolition Work: Used in deep foundation excavation and breaking hard concrete structures.
5. River and Coastal Projects: Excavating hard riverbeds and supporting coastal protection works.
6. High-Intensity, Abrasive Operations: Perfect for tough environments with frequent rock breaking tasks.



Split Rock Boom VS Mono Rock Boom

	Split Rock Boom	Mono Rock Boom
In weight	21-22 Ton	17.5-19 Ton
In appearance	The split-type dipper arm retains the bucket cylinder and ripper design	The mono dipper arm and ripper are combined into a single, unified design.
In stick cylinder	The split-type configuration features separate oil supply and return lines for the dipper cylinder	The mono-type configuration utilizes dual oil supply and return lines, consolidating the oil supply and return circuits for the bucket cylinder into the dipper cylinder.

Pictures Display



ZHONGHE triple quality control system

- 1.The first system is the technical design drawing review mechanism.
- 2.The second system is the semi-finished product review mechanism.(each process has a detection testing for the previous process)
- 3.The third system is the finished product testing.(Before painting, the overall inspection is carried out to check whether the design size matches the welding size, and whether the installation size meets the design requirement.)

To sum up, every single ZHONGHE product has been passed the above three-stage inspection system to ensure that is qualified before shipping.



Accuracy Testing



Weld Bead Testing



Testing Before Send Out



Operation Testing



Post-welding Testing



CNC cutting

High precision CNC plasma cutting for steel plate blanking



Edge milling

Edge milling and beveling for welding preparation



Bending

Steel plate bending with large bending machine



Assemble

Precision assembly and tack welding of boom parts.



Polishing

Grinding and polishing of weld seams and surfaces.



Spray painting

Sandblasting and spray painting for anti-corrosion.

COMPANY PROFILE



Kaiping Zhonghe Machinery Manufacturing Co., Ltd. is located in the Cuishanhu New District, a first-class provincial industrial park in Kaiping City, Jiangmen, Guangdong Province. We are a comprehensive enterprise integrating research and development, manufacturing, and sales. Driven by professional expertise and innovative design, the company continuously develops high-tech products that meet market demands, consistently leading the industry.

Currently, the company employs over 100 staff members, including 30 senior technical talents, and has achieved an annual production capacity of 600 sets of various mechanical arms. Our facility features over 18,000 square meters of standardized steel-structure workshops equipped with a wide range of high-precision processing machinery. This includes plasma and CNC flame cutting machines, advanced edge milling machines, high-precision floor-type boring mills, vertical boring mills, large-scale lathes and drilling machines, a massive shot-blasting workshop, a stress-relief workshop, large plate rolling rolls, and a high-purity mixed gas supply station.

团队风采 Our Team

千人同心 则得千人之力 万人异心 则无一人之用

The power of knowledge, the power of the power of unity and dedication, we will gets.



7+ years
excavator accessories
manufacturer



More than
100+ employees



18,000 square
meters factory



OEM/ODM
service

CERTIFICATIONS



Exhibition



SHIPPING & PACKAGE



Package

Bubble bag packing for most products;
Wooden case for little products, like buckets;
Iron frame support for boom arms.
The accessories and package of excavator long boom arm are subjected to our final confirmation.



PRODUCT CATEGORY



Long Reach Boom



Sliding Arm



Two-section Telescopic Arm



Three-section Telescopic Arm



Pile Driving Arm



Tunnel Arm

PRODUCT CATEGORY



Rock Bucket



Standard Bucket



Tilt Bucket



Ditch Cleaning Bucket



Skeleton Bucket



Rock Ripper

HOT CUSTOMIZED PRODUCTS

Goods that people like to customize



Long Reach Excavator Boom

- Long Reach Boom /
- Three Sections Demolition Arm /
- Demolition Extension Arm /

[Customize now](#)



Demolition Boom

- Long Demolition Boom /
- Super Long Demolish Distance /
- Safe Demolition /

[Customize now](#)



Telescopic Boom

- Three-stage Extension /
- Super Long Control Distance /
- Flexible Expansion /

[Customize now](#)



Bucket

- Replaceable Fork Tines /
- Heavy Durable Bucket /



Wood Grabber

- Mechanical Hydraulic Shear /
- Excavator Rotating Grapple /



FAQ

Q1. Are you a factory or a trading company?

A: We are a professional manufacturer, Kaiping Zhonghe Machinery Manufacturing Co., Ltd., located in Cuishanhu New Area, Kaiping City, Jiangmen, Guangdong, China. We integrate R&D, production and sales. Our standard factory building covers

over 18,000 square meters, with more than 100 employees including 30 senior technical engineers.

Q2. What products can you produce?

A: We specialize in excavator front attachments, including long reach boom, pull arm, two-section / three-section telescopic boom, sliding boom, demolition boom, rock arm, tunnel arm, hydraulic vibration hammer, bucket, pile driving boom, grapple, grab and other engineering machinery spare parts. Widely used in weathered rock breaking, metro construction, forestry logging, municipal works, river dredging, building demolition, pile foundation and scrap recycling projects.

Q3. What is your annual production capacity?

A: Our annual output of all types of arms can reach 6000 sets. We are equipped with complete high-precision processing equipment, such as plasma & CNC flame cutting machine, edge milling machine, precision boring machine, vertical lathe, drilling machine, shot blasting workshop, stress relief workshop and large plate rolling machine.

Q4. Do you accept customized OEM / ODM orders?

A: Yes. Our R&D team has obtained more than 100 technical patents. Engineers can make technical drawings and custom design according to your excavator model, working depth, radius and project requirements. We adopt 2D & 3D auxiliary design to optimize the structure.

Q5. What steel material do you use for the boom?

A: We mainly adopt high strength steel such as Q690D / HG785 for heavy-duty booms, with full penetration groove welding, to guarantee high strength, durability and reliable performance for heavy working conditions.

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