



High Strength 40-45T Excavator Tunnel Arm Short Reach For Underground Projects

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 \$3457/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: 6-50ton Excavator
- Warranty: 6 Months
- Working Condition: Tunnel Work
- Condition: New
- Color: As Customer Requires
- Application: Excavator
- Type: High Reach Demolition Boom
- Certification: ISO9001, ISO CE
- Oem: Available
- After-sales Service Provided: Online Support, Video Technical Support
- Technique: Advanced Techniques
- Oem/odm: Acceptable
- Highlight: **High Strength Excavator Tunnel Arm,**



More Images



Product Description

Excavator Short Boom in China Excavator Short Reach Arm for Underground Projects Excavator Tunnel Arm FAQs

I. Advantages of Excavator Tunnel Arm/Short Arm

Key Benefits of Excavator Tunnel Arm/Short Arm:

Space Optimization: Ideal for projects in urban or crowded environments where space is limited.

Precision Work: Allows for accurate digging and positioning in sensitive areas.

Adaptable for Different Tasks: Suitable for tunneling, foundation work, and trenching applications.

Reduced Wear and Tear: The robust design decreases maintenance needs over time.

High Load Capacity: Capable of handling substantial weights, making it suitable for heavy-duty tasks.

Quick Attachment Change: Simplifies switching between different tools and attachments.

Extended Reach: Short arms are designed for better access to hard-to-reach areas.

Enhanced Stability: Provides a stable base for digging, improving overall safety.

Efficient Power Use: Engineered to maximize hydraulic power for more efficient operation.

Operator Comfort: Designed to reduce fatigue during long operating hours.

Advantages of Zhonghe Machinery

1. Professional product design team, rich experience, strong design pertinence.
2. Automated processing equipment. Automatic cutting, double-sided floor-standing large boring machine, etc.
3. Industry standard welding process, carbon dioxide shielded welding, good weld crack resistance.
4. Strict and meticulous quality inspection, ultrasonic flaw detection

excavator(to n)	total length (mm)	boom(mm)	arm(mm)	max height (mm)	max depth(mm)
20-25T	1300	3200	1900	4500	8500
30-36T	4200	4200	1900	5000	10500
40-45T	4500	4500	1900	5000	11000

Working scene of tunnel arm

Special design----meet customer needs !!!

Advantages of Tunnel Arm Modification:

1. Modifying the tunnel arm expands its operational range to fit various job sites, reducing the risk of the boom impacting tunnel or basement beams.
2. Following the modification, excavators can utilize larger breakers; for example, a PC120 can now support a 135 breaker, and a PC200 can use a 165 breaker. This change requires enhanced double pump confluence to increase impact force significantly.
3. A shorter boom design allows for a greater torque reduction, enabling the tunnel boom to lift larger buckets more effectively.
4. The incorporation of a stop valve when replacing the breaker with a bucket prevents any potential hydraulic oil leakage.
5. Pipe joints are reinforced with multi-layer welding to effectively decrease oil leak risks.
6. A protective cylinder guard minimizes the likelihood of damage from collisions.
7. Our modification services come at factory-direct prices, ensuring affordability along with options for ODM and OEM customization.

|| Excavator Tunnel Arms Suitable For Application

What is the purpose of beveling the long arm/tunnel arm plate?

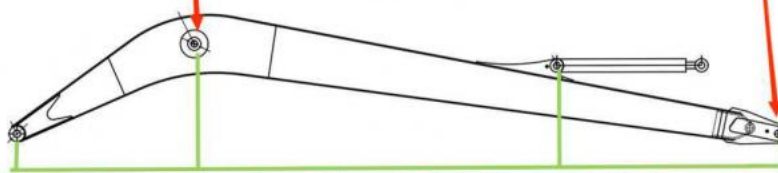
Most welding machines commonly used in the industry have a penetration depth of only 3mm. Since the thickness of our long arm plate is at least 8mm, without beveling, the welder would not be able to fully penetrate through the entire joint. This would result in weak welds, leading to issues such as weld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

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

Double-sided boring lathe



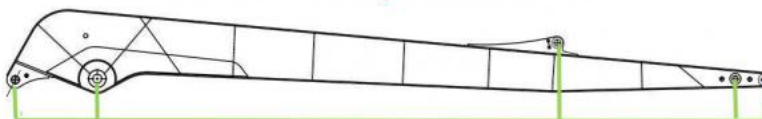
After the excavator boom and arm are assembled, the pins on the boom are drilled to ensure that the pins on the boom are parallel to each other and the cross section of the pin hole is perpendicular to the pin. The double-sided boring machine of the boom makes the hole position more accurate and the 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 Manufacturing Co., Ltd. was founded in 2018 and combines production with trading. We specialize in the customization of various excavator attachments, such as demolition arms and long arms, serving over 60 countries.

Our competitive advantages include:

A spacious area of about 18,000 square meters.

A workforce comprising 120 professionals.

Cutting-edge technical equipment, including plasma and CNC machines.

A comprehensive production line for custom products.

Efficient lead times ranging from 7 to 25 days.

An annual production capacity of 600 excavator booms. We prioritize "Quality, Integrity, and Customer Satisfaction" and welcome clients for collaborative opportunities.

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):

Q1: Are you a manufacturer?

A1: Zhonghe Machinery provides a wide variety of attachments for excavators. Such as long arms, demolition arms, telescopic arms, standard buckets, rock buckets, cleaning buckets, tilt buckets, etc. We know that the perfect combination of high-quality cast steel products and moderate prices is the key to success.

Q2: Why is it called a tunnel arm?

A2: Tunnel arms generally refer to working devices that operate in narrow spaces. Most of them operate in tunnels, so they are called tunnel arms. Each country has a different name, but in China we call it a tunnel arm.

Q3: What are the configurations of the tunnel arm?

A3: Depending on the height of the tunnel, the configuration that requires or does not require the boom cylinder can be designed, but the necessary configurations are: one boom cylinder, one bucket cylinder, 8 pins, 6 high-pressure hoses, one set of connecting rod assemblies, one set of crushing pipes, and 2 stop valves. The general operating height of the tunnel arm is 4-6 meters.

Q4: What are the requirements for the tunnel arm?

A4: A. It is recommended that the tunnel arm be equipped with a straight hammer. The basement height is limited. During operation, the triangular hammer part is higher than the arm plane, which will scrape the top and make the operation inconvenient. The straight hammer will not have this problem. B. The tunnel arm design does not take into account the transportation height. Generally, the transportation of large-scale mechanical tunnel arms requires the breaker to be removed before transportation. Filling materials in the forearm of the tunneling arm increases the weight of the tunneling arm, presses down the breaker, reduces the rebound force of the breaker, and increases the crushing force.

Any information, pls contact Sophia!

this is my contact way directly

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