Construction Machinery Telescopic Arm , Lightweight Excavator Boom Arm Customized

Our Product Introduction

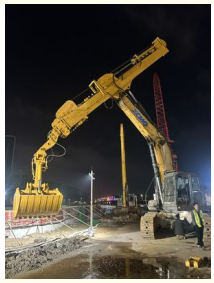
Basic Information

- Place of Origin: China
- Brand Name: Zhonghe Machinery
- Certification: CE, patent, ISO
- Model Number: CLB0024
- Minimum Order Quantity: 1 set / piece
- Price: USD $10000-$34285/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: 20-50ton Excavator
- Warranty: 6 Months
- Product Name: Excavator Telescopic Boom
- Condition: New
- Color: As Customer Requires
- Application: Excavator
- Weight: 2700-9000KGS
- Certification: ISO9001,ISO CE
- Oem: Available
- After-sales Service Provided: Online Support,Video Technical Support
- Technique: Advanced Techniques
- Oem/odm: Acceptable
- Capacity: 0.6-2.5 Cbm

More Images



Our Product Introduction

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Product Description

Telescopic Excavator Arm for Construction Lightweight Telescopic Excavator Boom Popular Excavator Telescopic Arms

Product Description-------Excavator Telescopic Boom

What is an excavator telescopic arm?

A telescopic boom on an excavator is designed to extend the machine's operational range. This feature is particularly useful for tasks that demand greater reach or depth, allowing for more efficient excavation and material handling.

What are your advantages?

Advantages of telescopic arms:

1. The three-section telescopic boom is crafted from BS900E and Q355B materials, offering a lightweight yet durable option.

2. We utilize a 6mm thickness to enhance the boom's strength.
The boom features nylon sliders and steel pulleys, with centralized lubrication for all hoses.

3. An external pulley for the bucket cylinder improves hose replacement convenience.

4. The external design minimizes friction by keeping hoses away from the main rope, reducing wear.

5. A dual-rope design enhances safety; the arm remains secure even if the primary rope fails.

Some common size references

Excavator (ton)	Max Depth (mm)	Effective Length (mm)	Bucket Capacity (cbm)
6-10	10000	7600	0.2-0.3
11-15	14000	10500	0.4-0.6
20-30	16000	12500	0.8-1.5
30-35	20000	15500	1.3-1.66
30-35	25000	20500	1-1.4
40-45	25000	20500	1.8-2.5
40-45	30000	25100	1.4-2

Three Section Telescopic Arm Configuration

1. **A set of telescopic arm**
2. **Two high-pressure hoses**
3. **Two pins**
4. **One clamshell bucket**
5. **One two-way foot switch**

Some installation instructions for telescopic arms

Our designs allow for interchangeable use of **digging buckets and grab buckets**.
The first one is **clamshell bucket** ,usually use for Subway deep digging project .
The second one is the **grab bucket** , compare to the clamshell bucket , the grab bucket have power ,can grab the stone.
The last is the **standard bucket** , use for telescopic boom the bucket need do the special design .

Product Detail Display

Telescopic Boom Arm Engineering Case


Cleaning and dredging Telescopic arm test Bridge construction projects Deep pit work


For Deep foundation pit construction project For unloading materials For Large-scale earthworks

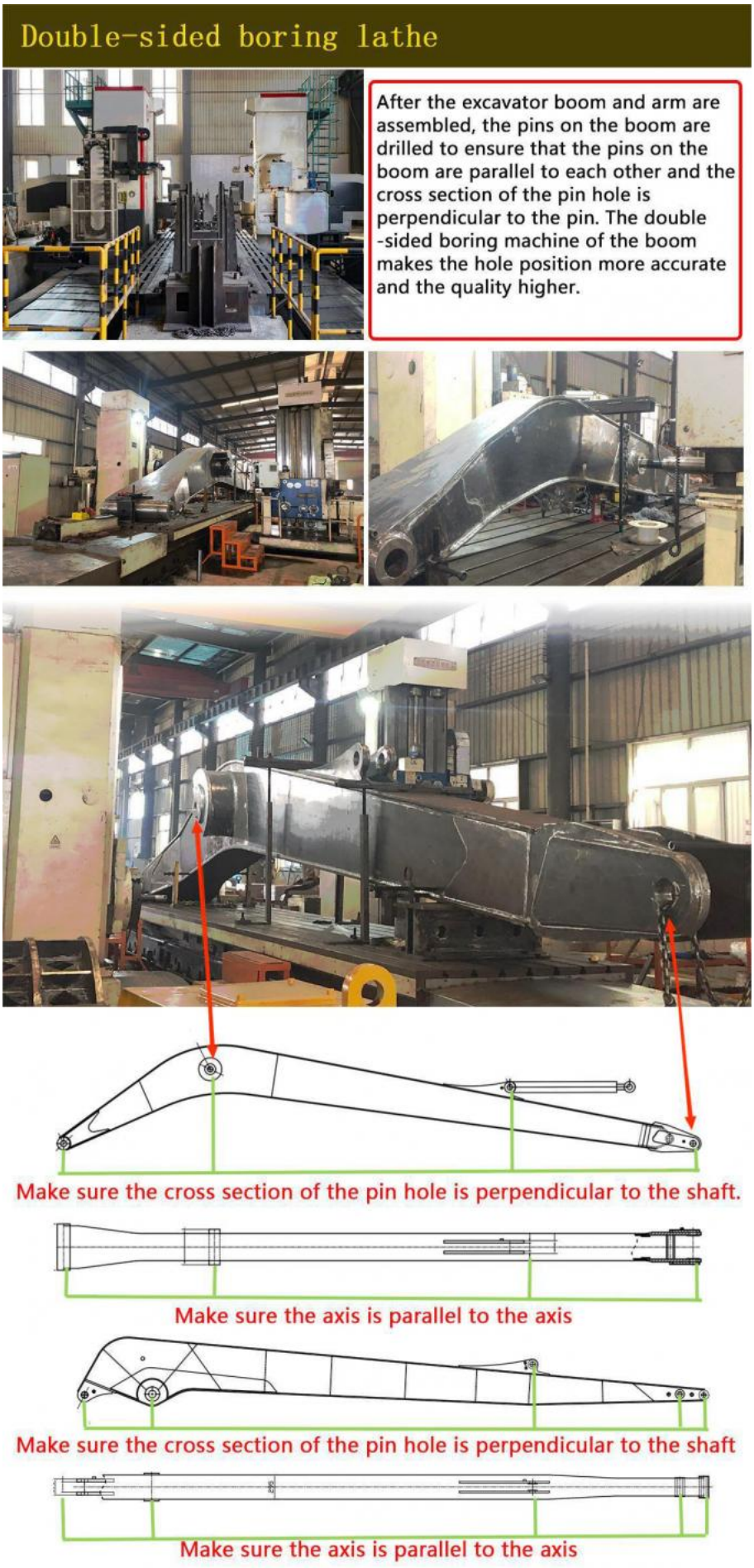
The telescopic arm of the excavator is suitable for the following working conditions:

Dense Urban Environments: The telescopic arm is particularly effective in dense urban environments where space is at a premium.
Deep Foundation Projects: Its extendable nature makes it suitable for deep foundation excavation in construction.
Bridge Repairs: It can reach difficult spots during bridge repair work, enhancing safety and efficiency.
Confined Utility Work: The arm is adept at working around existing utilities, minimizing disruptions.
Asphalt and Concrete Removal: Its design allows for effective asphalt and concrete removal in tight spaces.
Excavating Near Structures: It can operate safely near existing structures without risking damage.
Pipelines Installation: The telescopic arm is ideal for the precise installation of pipelines in narrow trenches.
Urban Green Spaces: It can assist in creating or maintaining urban green spaces, allowing for landscaping in tight spots.

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



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.

Established in 2018, Kaiping Zhonghe Machinery Co., Ltd. focuses on producing customized excavator booms and attachments. Situated in the Cuishan Lake New District of Kaiping City, our steel structure workshop covers 21,000 m³. Our dedicated team includes more than 100 technicians and 50 welders with over 7 years of experience, alongside 30 senior designers. With a robust R&D team that boasts over 100 patents, we ensure quality control and cost efficiency in every product, manufacturing around 800 units each year.

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 does the telescopic arm have the difference between a shell bucket and a grab bucket?

A: Generally, shell buckets are easy to use for silt and sand, and can dig a large volume with higher efficiency. However, in general sand and stone work, shell buckets have no digging force and are limited by the opening, so the efficiency of shell buckets will be reduced. Grab buckets are more suitable for this kind of work. However, due to the overall weight of the grab bucket, the volume of the grab bucket is generally smaller than that of the shell bucket, but in work with more stones, the advantages of grab buckets are more obvious.

Q:Is it better to use a single cylinder or a double cylinder for the shell bucket equipped with a telescopic arm?

A:We always use the double cylinder design and never use the single cylinder design. It has the advantages of low failure rate, convenient maintenance, and less oil leakage. What are the disadvantages of the double cylinder? The first is that the shell bucket with a double cylinder is heavier, and the synchronization of grabbing is worse. The overall weight of a single cylinder is lower, and the synchronization is better, the grabbing efficiency is higher, but the failure rate is higher.

Q:What is the material of the telescopic arm?

A: The arm tube is made of BS900E, and other parts are made of Q3558, which is lighter and more durable. We use a thickness of 6mm.

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