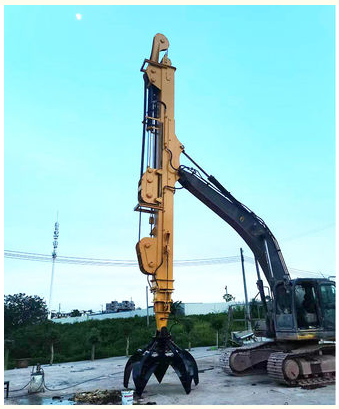
Heavy Duty Excavator Extendable Arm , Long Reach Telescopic Boom For Digging

Our Product Introduction

Basic Information

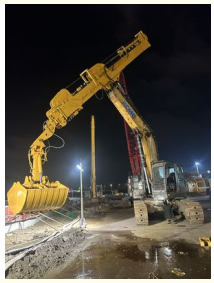
- Place of Origin: China
- Brand Name: Zhonghe Machinery
- Certification: CE, patent, ISO
- Model Number: CLB0024
- Minimum Order Quantity: 1 set / piece
- Price: USD $10000-$34285/sets
- Packaging Details: bubble / wooden cases
- Delivery Time: 20-30/works
- Payment Terms: T/T, L/C
- Supply Ability: 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

for more products please visit us on excavatorlongarm.com

Product Description

Telescopic Arm for Excavator Extendable Excavator Arm Heavy-Duty Telescopic Boom Telescopic Boom Arm

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

What is an excavator telescopic arm?

An excavator telescopic arm is an extension attachment designed to increase the reach and versatility of an excavator. It consists of multiple sections that can slide in and out, allowing for adjustable lengths. This feature enables operators to work in confined spaces or reach greater depths and heights without repositioning the entire machine. Telescopic arms are commonly used in various applications, including construction, demolition, and excavation projects, where flexibilit

What are your advantages?

Advantages of telescopic arms:

1. The three-section telescopic boom utilizes BS900E and Q355B materials, providing a lightweight yet robust structure.

2. Our design incorporates a 6mm thickness for added durability.
It features nylon sliders and steel pulleys, with all hoses designed for centralized lubrication.

3. The external hose pulley on the bucket cylinder simplifies hose maintenance and replacement.

4. By separating the hose from the main cable, the external pulley minimizes friction and potential wear.

5. The dual-rope system enhances safety; if the primary rope fails, the arm remains secure and does not extend unexpectedly.

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

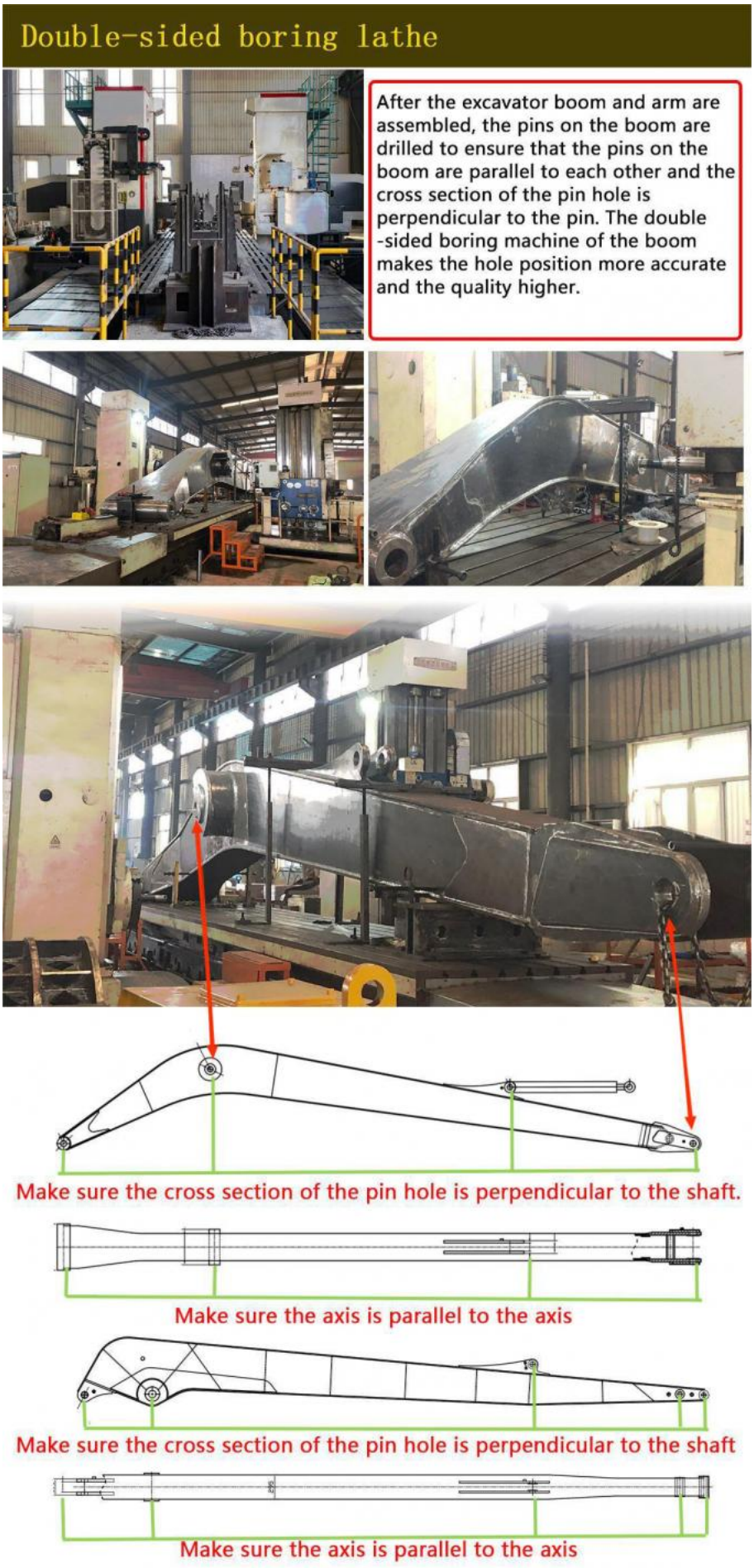
The telescopic arm of the excavator is suitable for the following working conditions:

1. High-altitude work: When working at high places such as bridges and building facades, the telescopic arm can easily reach higher working surfaces.
2. Bridge construction and maintenance: In bridge construction, the telescopic arm can provide the necessary height and reach for precise work.
3. Mining operations: Suitable for mining and transportation in mines, and can be flexibly excavated in complex environments.
4. Pipeline laying: When constructing underground pipelines, the telescopic arm can dig accurately and reduce the impact on the surrounding environment.
5. Cofferdam construction: When constructing cofferdams or dams in waters or wetlands, the adaptability of the telescopic arm is very important.
6. Cleaning and dredging: In the cleaning of rivers, lakes or drainage systems, the telescopic arm can efficiently remove debris.
7. Environmental protection engineering: Used in ecological restoration or greening projects, it can operate in sensitive areas and reduce disturbances.
8. Accident site rescue: In emergency rescue, the telescopic arm can quickly adapt to different working environments and provide assistance.

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.

1. **Establishment**: Kaiping Zhonghe Machinery Co., Ltd. was founded in 2018.
2. **Core Business**: We are dedicated to manufacturing and trading customized excavator booms and accessories.
3. **Location**: Our facility is located in Cuishan Lake New District, Kaiping City, Jiangmen, Guangdong Province, China.
4. **Workshop Dimensions**: We operate a 21,000 m³ steel structure workshop designed for efficient production.
5. **Machinery Use**: Our workshop is equipped with cutting-edge high-precision processing tools.
6. **Staff Overview**: Our team consists of over 100 skilled technicians, including:
50 welding professionals with over 7 years of experience.
30 senior designers.
7. **Research and Development**: Our innovative R&D team has over 10 years of experience and holds more than 100 technical patents.
8. **Quality Control**: We implement a strict production system focusing on quality and cost control developed over 6 years.
9. **Production Capability**: Our facility can produce up to 800 sets of various excavator booms annually.
10. **Customer Commitment**: We prioritize customer satisfaction and welcome collaboration with clients from around the globe.

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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