



Three Section Excavator Telescopic Boom Arm For Heavy Machinery Deep Excavation

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 \$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



Product Description

Excavator Telescopic Arm Manufacturer Custom Excavator Telescopic Solutions Best Telescopic Boom for Heavy Machinery

Product Description-----Excavator Telescopic Boom

What is an excavator telescopic arm?

An excavator's telescopic arm is an attachment that offers adjustable reach. With its ability to extend and retract, it is ideal for projects requiring precise positioning, such as trenching or construction in confined areas.

What are your advantages?

Advantages of telescopic arms:

1. Our three-section telescopic boom, constructed from BS900E and Q355B, balances lightness with strength.
2. We implement a durable 6mm thickness for superior resilience. Nylon sliders paired with steel pulleys and centrally lubricated hoses promote efficient operation.
3. An external pulley on the bucket cylinder facilitates easy hose repairs and replacements.
4. The design keeps hoses separate from the main rope, reducing friction and maintenance needs.
5. The arm's safety is reinforced by a double-rope system, ensuring it won't extend if the main rope is compromised.

Our Product Introduction

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

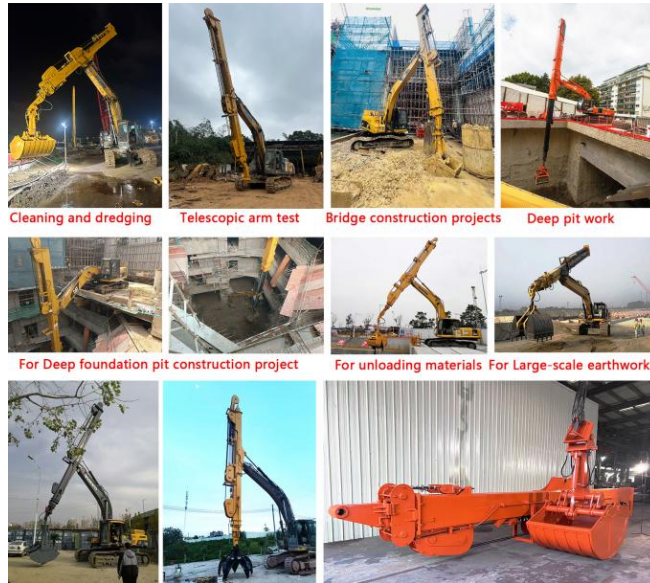
1. A set of telescopic arm
2. Two high-pressure hoses
3. Two pins
4. One clamshell bucket
5. One two-way foot switch

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



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

Confined Workspaces: The telescopic arm excels in confined workspaces, making it ideal for projects in cities or narrow lots.

Vertical Excavation: It is effective for vertical excavation tasks, such as digging deep foundations or basements.

Precision Demolition: The arm's reach allows for precision in demolition tasks, minimizing collateral damage.

Utility Trenching: It is well-suited for trenching for utility installations where space is limited.

Maritime Applications: The telescopic arm can be adapted for use in maritime construction, reaching areas that are difficult to access.

Heavy Lifting in Restricted Areas: The arm is useful for lifting heavy materials in areas with limited access.

Agricultural Applications: It can be employed in agricultural projects that require excavation or material handling in confined spaces.

Environmental Remediation: The arm is beneficial for environmental cleanup tasks, reaching areas that are otherwise challenging to access.

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.

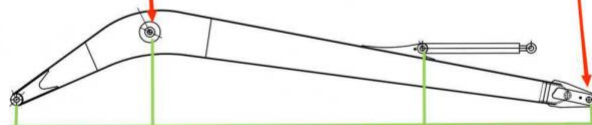
We employ mechanical beveling, whereas other factories rely on manual beveling (as shown in the figure).

High precision machine of Zhonghe Machinery Manufacturers

Double-sided boring lathe



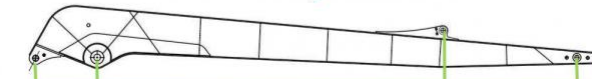
After the excavator boom and arm are assembled, the pins on the boom are drilled to ensure that the pins on the boom are parallel to each other and the cross section of the pin hole is perpendicular to the pin. The double-sided boring machine of the boom makes the hole position more accurate and the 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., founded in 2018, specializes in the manufacturing and trading of customized excavator booms and accessories. Located in Jiangmen City, Guangdong Province, our facility spans 21,000 cubic meters and is equipped with advanced processing machinery. Our team consists of over 100 skilled technicians, including 50 welders with extensive experience, and 30 senior designers. With a strong R&D department holding over 100 patents, we maintain high standards of quality and production efficiency, delivering up to 800 sets annually.

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.

Any information, pls contact Sophia!

this is my contact way directly

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