OEM Custom Length Long Reach Boom Arm for Excavators Demolition Work

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: ZH
- Certification: CE
- Model Number: JCB001
- Minimum Order Quantity: 1 SET
- Price: $5142/set
- Packaging Details: Stretch film packaging
- Delivery Time: 20-30 working day
- Payment Terms: T/T
- Supply Ability: 600

Product Specification

- Condition: New,100%new,New Long Reach Boom & Arm
- Warranty: 6 Months
- After-sales Service Provided: Online Support,Video Technical Support
- Bucket Capacity: 0.9m3,0.4-0.5CBM,0.2-6m3
- Machine Weight: 6-120T
- Color: Customer's Request
- Application: Crawler Excavator
- Material: Q345B+Q690D
- Type: Standard/Long Reach/Rock
- Maximum Length: 7-35m Long Reach Boom & Arm
- Highlight: **OEM Long Reach Boom for Excavator**, **Demolition Work Long Reach Boom Arm**, **Custom Length Long Reach Booms**

More Images

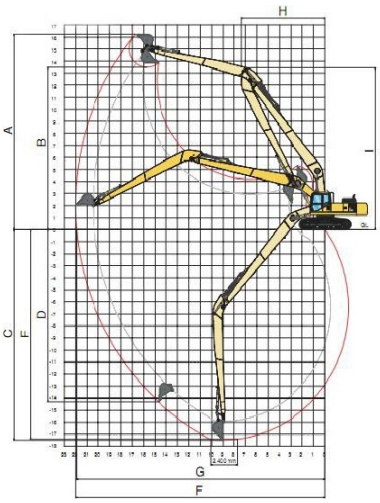
Our Product Introduction

for more products please visit us on excavatorlongarm.com

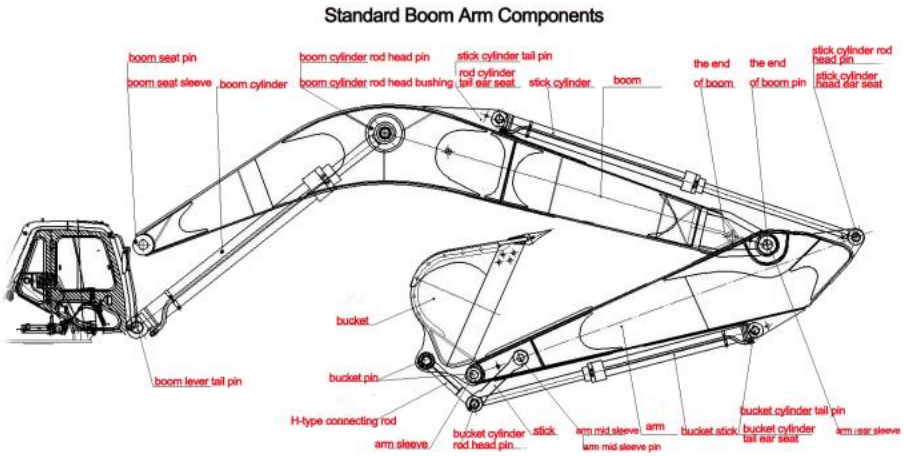
Product Description

Custom Long Reach Boom for Excavators Excavator Long Boom for Demolition Work Worldwide Shipping Excavator Long Boom

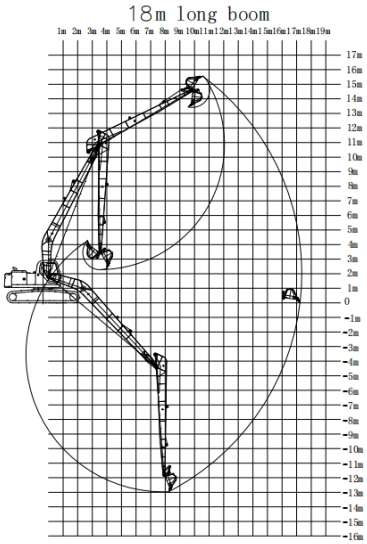
We are able to produce booms ranging from 6 to 35 meters in length, suitable for excavators ranging from 6 to 120 tons. These booms are designed to provide longer reach and enhanced versatility to meet a variety of excavation and demolition tasks, whether small or large projects. (Zhonghe Machinery Factory)

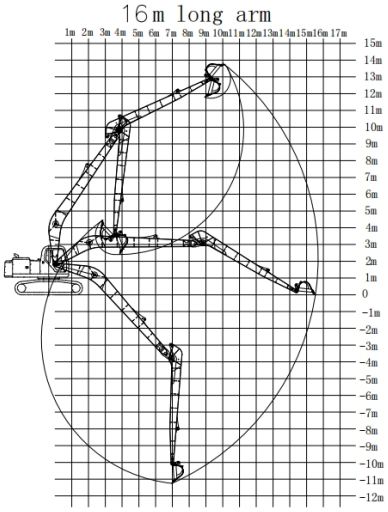


A.Maximum lifting height
B. Maximum unloading height
C. Maximum digging depth
D. Maximum digging surface radius
E. Maximum excavation depth radius
F. Maximum elongation length
G. Maximum excavation turning radius



Simulation diagram of 18m and 16m long arms





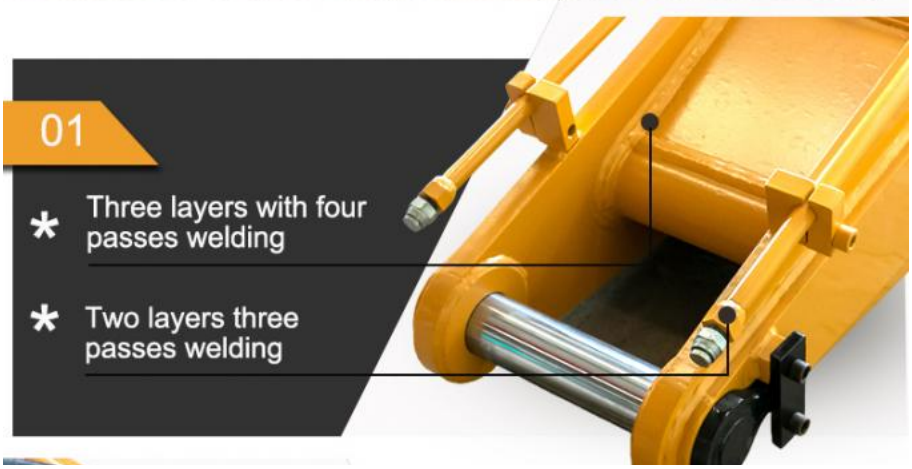
Regular dimensions for long reach boom arm

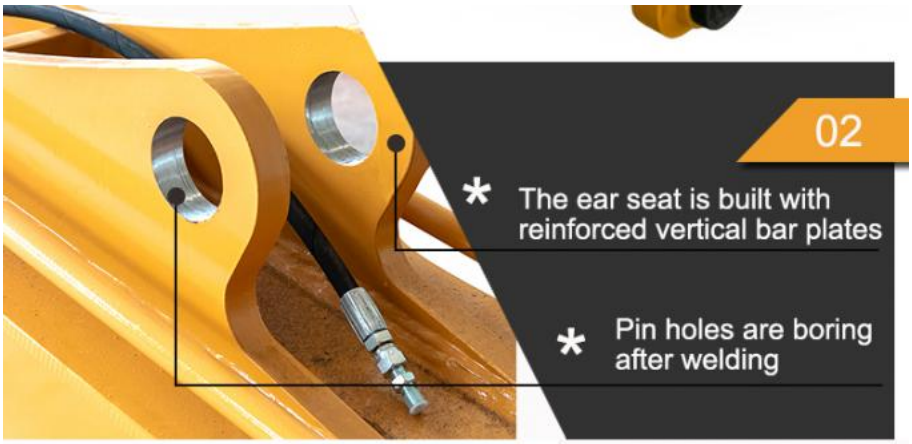
Excavator (ton)	Total Length (mm)	Max Radius (mm)	Max Depth (mm)	Max Unload Height (cbm)	Max Height (mm)	Bucket Capacity (mm)
11-15T	13000	11200	9000	7550	9000	0.15-0.3
20-25T	15400	14500	11300	10400	12600	0.4-0.6
20-30T	18000	17300	13000	11800	14000	0.4-0.7
35-40T	20000	19200	14900	12900	15200	0.4-0.7
40-45T	22000	21300	16000	14000	17000	0.5-1
40-50T	24000	21300	17900	15200	18100	0.5-1.1

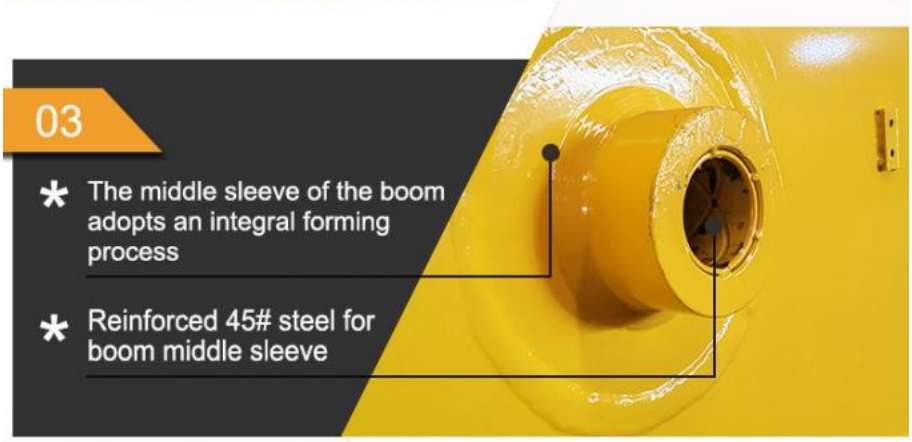
Zhonghe Machinery Long Arm:

1. Because our long arms are customized and designed according to the size of the excavator, they are suitable for all excavator brands, such as Hitachi, Carter, Sumitomo, Kobelco, Kubota, Komatsu, Kato, Doosan, Liebherr, Lingong, Longgong, etc.
2. Applicable tonnage and length of long arms: suitable for 6-120 tons excavators, 7-35 meters long arms
3. Support ODM, OEM, such as color, size, logo, etc. can be customized
4. Material: Q355B, Q690D, Q550, etc.

Zhonghe Factory Advantages of Long Reach Boom/Long Arm:

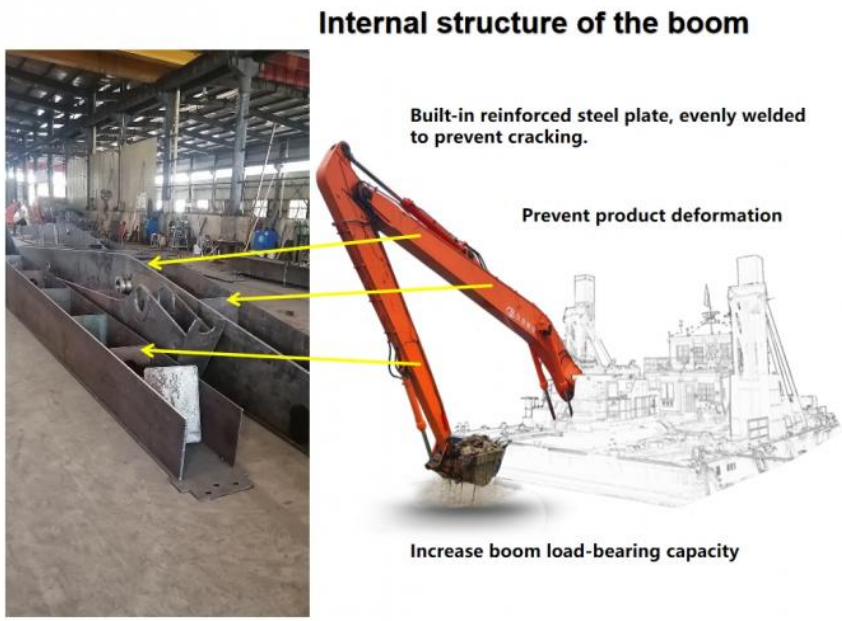


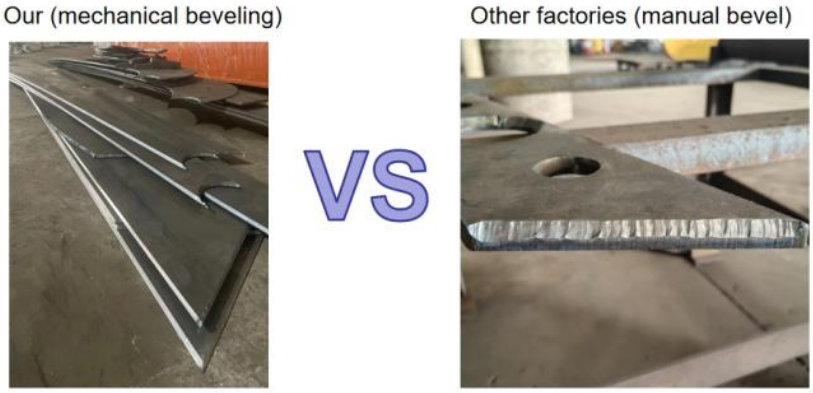

02
* The ear seat is built with reinforced vertical bar plates
* Pin holes are boring after welding


03
* The middle sleeve of the boom adopts an integral forming process
* Reinforced 45# steel for boom middle sleeve


04
* Seamless precision steel pipe
* Adopt high quality Ningbo connectors


05
* Strengthen the inner part of the box and the boom seat sleeve with inclined tendons
* Graphite alloy copper sleeve





What is the purpose of a long arm plate bevel?

The purpose of a long arm plate bevel is to facilitate the welding process, ensuring a stronger and more reliable weld that extends through the full thickness of the material. Here are the key reasons for using a bevel on a long arm plate:

Improved Weld Penetration: As you mentioned, welding machines typically have a depth of fusion that is less than the thickness of the plate. A bevel allows the welding arc to reach further into the material, achieving better penetration and ensuring that the weld fills the entire joint.

Preventing Weld Cracking: Without a bevel, the weld may not penetrate fully, leaving a weak spot in the weld that could lead to cracking under stress. A proper bevel ensures that the weld is continuous and free of defects that could cause future failures.

Reducing Welding Time: A beveled edge can reduce the amount of material that needs to be melted, which can decrease the time required to complete the weld.

Enhancing Weld Quality: The bevel provides a consistent edge for the welder to work with, which can lead to a more uniform and aesthetically pleasing weld.

Mechanical vs. Manual Beveling: Mechanically cutting bevels is generally more precise than manual methods. This precision is critical for ensuring the quality of the weld. A mechanically cut bevel provides a cleaner, more uniform edge that can be more easily and consistently welded.

Factories that use mechanical beveling over manual beveling often produce products with higher quality and consistency. The mechanical process reduces human error and provides a more reliable bevel that is critical for structural integrity, especially in heavy-duty equipment like excavator long arm plates.

We make bevels mechanically, while other factories make bevels manually (as shown in the picture)

Comparison Between Other Products And Ours

1. The end of boom comparison

Our upper and lower covers are directly pressed on the end of boom before welding, so the welding strength will be better.

Other factories produce end of boom and cover plate directly connected, which is prone to welding problems and more prone to cracking.

ours

VS

others

Our factory designed it so that a round steel is connected to the plate, and the quality of the round steel at this position is more reliable.

The factory bends the entire plate without reinforcing this position, so the chance of cracking is higher.

2. Design of the arm

ours

VS

others

We thicken the plate of the rear cover of our forearm (the connection between the upper end of boom and the arm) to ensure that this position is not easy to crack.

The factory did not perform thickening treatment at this location, and directly used the whole plate.

3. Design of the boom sleeve

ours

VS

others

Our upper arm middle sleeve is processed as a whole, which is more solid and beautiful.

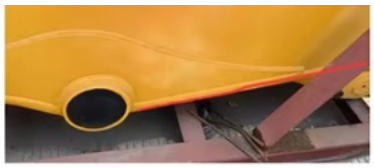
The designs of other factories are assembled and welded without secondary processing, and the overall appearance is not beautiful enough.

4. Design of the rear seat plate of the arm

ours

others

VS



Our plate is thickened because this position is connected to the boom cylinder and is the most stressed part of the arm, so we thicken the plate to avoid cracking at this position.

Other manufacturers do not perform reinforcement and thickening treatment on this location. After the excavator has been working for a long time, this location is prone to quality problems.

5. Design of arm side panel

ours

VS

others

The thick plate and thin plate of our arm side plate are directly connected by diagonal connection. This design can effectively avoid excessive stress concentration and cracking at the interface.

Other manufacturers use straight-line docking at this location, which is not reasonable enough, with excessively concentrated stress and prone to cracking.

6. Butt joint design of arm upper cover

ours

VS

others

The upper cover of our arm is generally not butt-jointed. Even if it is butt-jointed, we will stick a butt-jointed plate inside the cover to ensure that the welding can be fully melted. Our butt-jointed position is generally selected in the middle of the ear seat, so that there will be no problems.

Other manufacturers dock at other locations, which may cause cracking at the docking interface later.

7. Front end design of earm

ours

VS

others

The side panel at the front end of our arm is thickened. The force at this position is relatively large, so thickening of this position is very necessary.

Other manufacturers do not perform thickening treatment at this location.

Working Scene of Excavator Long Reach Boom Arm




For canal cleaning For marine project Road construction




For dock unloading Engineering construction For earthwork

Main features of extended excavator arms:

Wider operating range: Compared with standard excavator arms, extended arms can dig deeper or farther, suitable for large areas or high-altitude operations.

Wide application: Extended arms are widely used in river dredging, mountain restoration, high-rise building demolition and other fields.

Strong stability: Although the extended arm expands the excavation range, its design maintains the balance and operational stability of the equipment, which is particularly suitable for large-scale operations.

Adapt to complex working conditions: In underwater operations or difficult demolition projects, extended arms can achieve precise operations and adapt to various complex environments.

Customizable design: Extended arms can usually be customized according to project requirements, such as arm length, strength, required special accessories, etc.

Some Pictures----Long Arm for Hitachi 1200



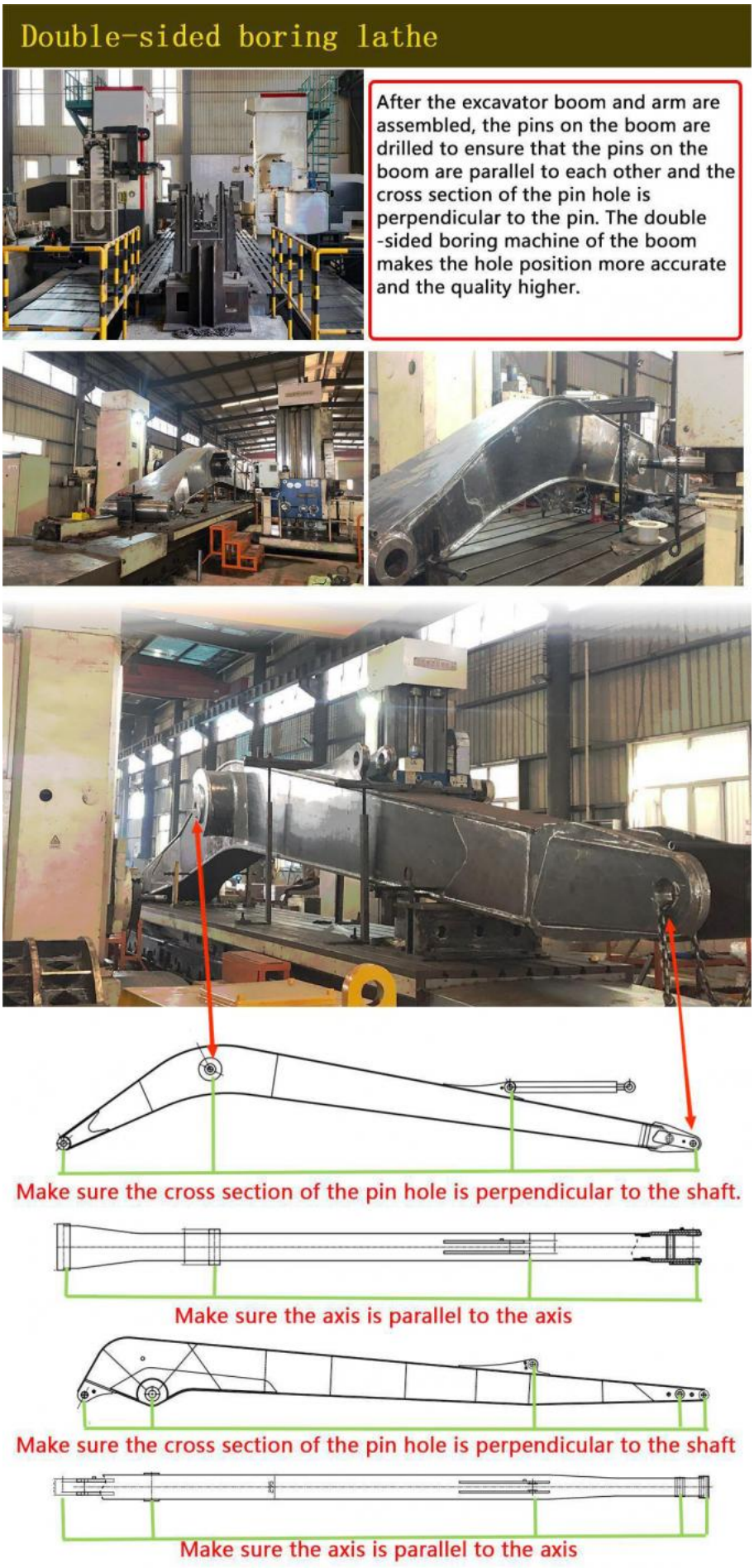

Key Features of the 7-35m Long-Reach Boom for All Excavators:

Extended Reach Options: Available in lengths ranging from **7 to 35 meters**, the long-reach boom significantly enhances the horizontal and vertical reach of excavators, making them ideal for tasks like deep excavation, dredging, and high-reach demolition.

Wide Compatibility: Designed to fit **excavators ranging from 6 to 120 tons**, the boom can be customized to work with

various excavator models, enhancing their versatility.
High-Strength Materials: Built with durable materials such as **Q355B or Q690D steel**, ensuring strength, stability, and durability in demanding environments.
Precision Manufacturing: The boom incorporates features like **integral forming for the middle sleeve** and **reinforced boom seat sleeves** made from **45# steel**, improving overall performance and longevity.

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 Co., Ltd., founded in 2018, is a company that integrates both manufacturing and trading, with a focus on producing customized excavator boom arms and attachments. Located in Cuishanhu New District, Kaiping City, Jiangmen, Guangdong Province, China, the company operates a 21,000 square meter steel-structured facility equipped with advanced precision machinery. Our team consists of more than 100 skilled professionals, including 50 welders with over 7 years of experience, 30 senior designers, and a high-tech R&D team with over 10 years of expertise in custom solutions and holding 100+ technical patents. With a robust production system (6+ years of quality and cost control) and a dedicated service team, we are capable of producing up to 800 excavator boom arms 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: Zhonghe machinery offered a wide range of attachment parts for excavators and dozers. Such as long reach arm, demolition arm, telescopic arm, standard bucket, rock bucket, cleaning bucket, tilting bucket, etc. We know that the perfect combination of high-quality cast steel products and a moderate price is the key to the success.

Q: What material is the excavator long arm made of?

A: Shaogang Q355B, Shaogang's material has the advantages of good toughness, high welding performance, and not easy to crack. Q355B has good welding performance and can be processed at room temperature. The standard arm material of the host manufacturer is also Q355B, which is easier to purchase on the market and the subsequent maintenance cost is also simple. If the customer's working conditions are bad, we will also use Q690 material, the long arm will be made lighter and more efficient

Q: Why choose Zhonghe over other companies?

A: We offer a highly skilled production and design team that delivers high-quality, customized solutions tailored to each customer's needs. Our commitment to precision and customer service has earned us a strong reputation in China, with annual sales consistently ranking among the top in the industry.

Q: What are your terms of payment?

A: We prefer **T/T (50/50)** payment terms, and for trial orders, we recommend using **Ali Credit Insurance** for added security.

Any information, pls contact Sophia!
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