28-35m Super Excavator Long Reach Boom Excavator Long Arm For Hitachi 1200

Our Product Introduction

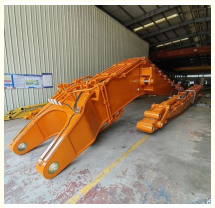
Basic Information

- 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: **35m Super Excavator Long Reach Boom**, **28m Excavator Long Reach Boom**, **Excavator Long Arm For Hitachi 1200**

More Images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Our Product Introduction

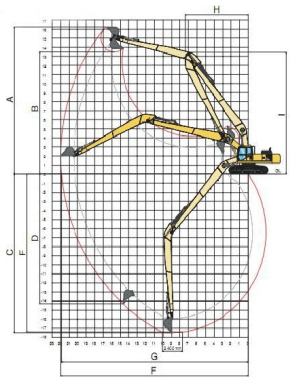
Product Description

28-35m Super Excavator Long Reach Boom for Hitachi1200 Custom Long Reach Booms Excavator Long Arm Attachment Exporter

The extended arm of an excavator is an equipment attachment specially used for equipment that requires a larger operating range. It is commonly used in engineering projects such as deep excavation, river cleaning, and demolition of high-rise buildings. The extended arm can greatly increase the operating radius and height of the excavator, improving work efficiency and flexibility.

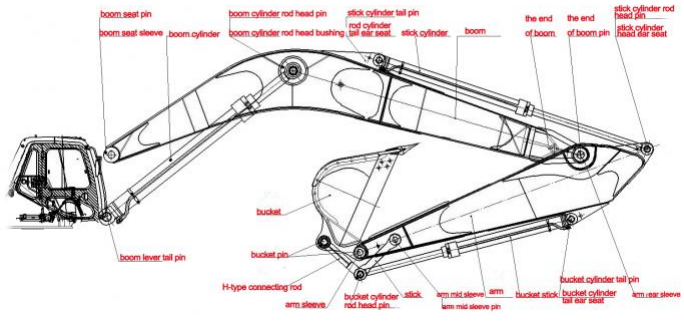
Zhonghe Advantages of Excavator Long Boom:

* Q355B and Q690D is optional for arm box
* Adopt high quality Ningbo connectors
* Reinforced 45# steel for boom seat sleeve
* The ear seat is built with reinforced vertical bar plates
* The middle sleeve of the boom adopts an integral forming process

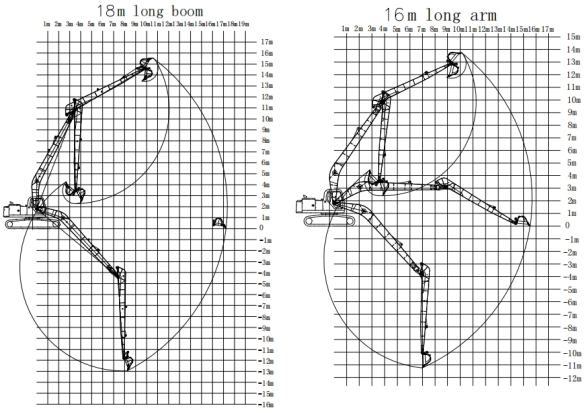


A.Maximum lifting height
B. Maximum unloading height
C. Maximum digging depth
D. Maximum digging surface radius
E. Maximum excavation depth radius
F. Maximum elongation length
G. Maximum excavation turning radius

Standard Boom Arm Components



Simulation diagram of 18m and 16m long arms



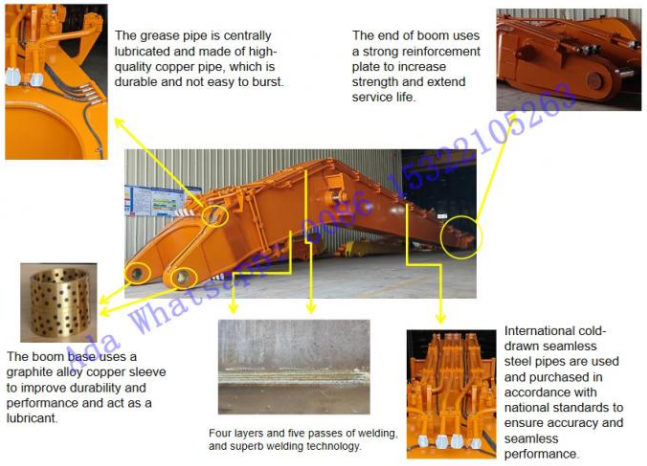
Regular dimensions for long reach boom arm

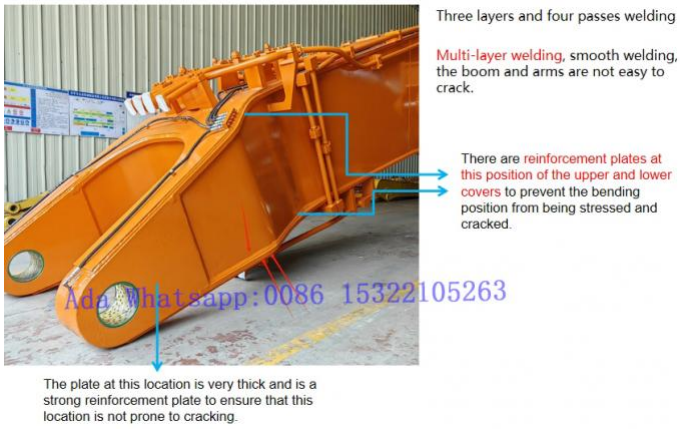
Excavator (ton)	Total Length (mm)	Max Radius (mm)	Max Depth (mm)	Max Unload Height (cbm)	Max Height (mm)	Bucket Capacity (mm)
11-15T	13000	11200	9000	7550	9000	0.15-0.3
20-25T	15400	14500	11300	10400	12600	0.4-0.6
20-30T	18000	17300	13000	11800	14000	0.4-0.7
35-40T	20000	19200	14900	12900	15200	0.4-0.7
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:

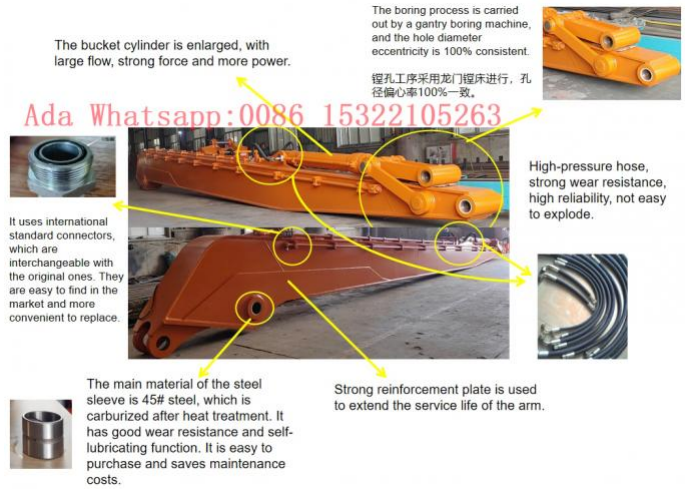




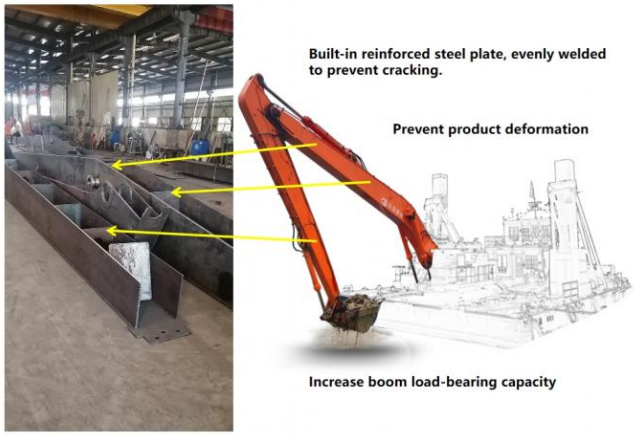
1.These 4 main weld passes, they are all double layers. We ensure the welding melts to the whole plate.
2. It can make the pass more firm and less likely to crack. 3. Here you can see the pass is full and very smooth.Our welding worker is skillful and have more than 10 years working experience, very professional.
4. Seamless precision steel pipe
5. Three layers and four passes welding
6.Lubrication concentrate system. There are 5 lubrication pipes, all concentrated here, making it easy and convenient for operators to add lubricating oil.

We use double-layer reinforcement plates at the boom base, making our long arms more durable and stronger than other suppliers.

1. The parts prone to cracking have been reinforced, and the box inside the ear seat has been reinforced.
2. The connection between the end of boom and the box has been reinforced.
3. The ear seat of the arm has been reinforced and the design mechanism has been changed.



Internal structure of the boom



Our (mechanical beveling)

VS

Other factories (manual bevel)

What is the purpose of a long arm plate bevel?

Welding machines commonly used in the industry have a depth of fusion of only 3mm thick, and our long arm plate is at least 8mm thick. Our long arm plates are at least 8mm thick, and without a bevel, the welder cannot penetrate the entire weld, resulting in poor weld results and problems such as cracking of the weld at a later stage.
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

ours

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

VS

others

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

ours

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.

VS

others

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

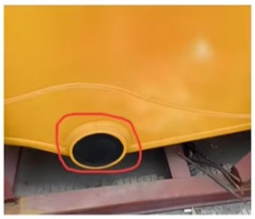
2. Design of the arm

ours

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.

VS

others



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

3. Design of the boom sleeve

ours

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

VS

others

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

VS

others

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 the extended arm of an excavator:

Wider operating range: Compared with the standard excavator arm, the extended arm can dig deeper or farther, suitable for operations in large areas or at high places.

Wide application: The extended arm is widely used in river dredging, mountain repair, demolition of high-rise buildings and other fields.

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

Adapt to complex working conditions: In underwater operations or difficult demolition projects, the extended arm can achieve precise operation and adapt to a variety of complex environments.

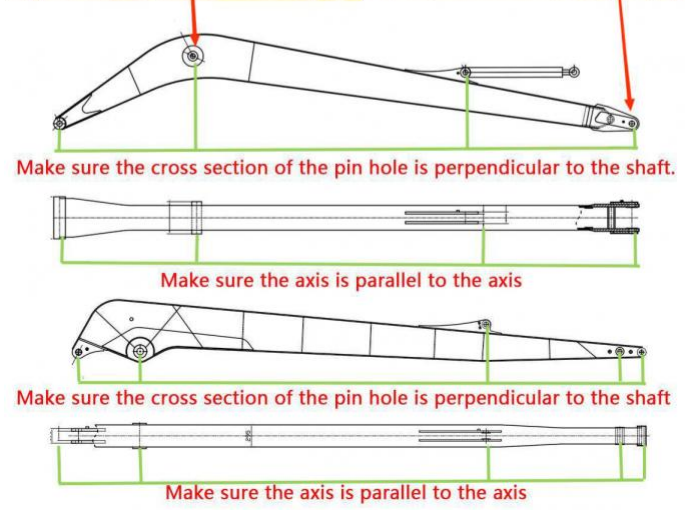
Customizable design: The extended arm can usually be customized according to project needs, such as arm length, strength, and required special accessories.

Some Pictures----Long Arm for Hitachi 1200

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.



Large floor-standing double-sided boring and milling lathe:

Improved precision and consistency: Double-sided boring and milling machines improve the precision and consistency of operations.

Post-weld processing: After welding is completed, the machine tool performs overall boring to ensure the parallelism and verticality of the shaft hole.

Main responsibilities: Mainly used for post-weld boring processing of large arms, small arms, and buckets to ensure the accuracy of large arms.

Simultaneous boring on both sides: The double-sided boring machine performs boring processing on both sides at the same time to ensure consistent accuracy on both sides.

About Zhonghe Machinery Company Profile:

Kaiping Zhonghe Machinery Co.,Ltd. established in 2018, it is a combination of manufacturing and trading, specializing in customizing different kinds of excavator boom arms and attachments. We are located in cuishanhu New District. Kaiping cityJiangmen City. Guangdong Province, China. We boast a 21000m3 steel structure workshop with a large number of high precision processing equipment and a strong and cohesive team of over 100 experienced technical staff. 50 welding workers with over 7 years experience. 30 senior designers, and a high-tech R&D team(10+ years on customization.100+technical patents), strict production system(6+ years quality control and cost control) and warm-hearted service team. Our annual output of various types of excavator boom arms can reach up to 800 sets.

CE certification & Utility model patent certificates

Our products have been sold to more than 60 countries, and our transportation methods include sea transportation, land transportation, and air transportation. Our packaging is wooden box packaging or stretch film packaging. The goods will be packed before shipment and then loaded into the container to ensure the safety of the goods.

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: Why choose Zhonghe over any other companies?

A: We have a professional production team and design team to provide each customer with high-quality and personalized customer service to ensure correctness, so we have good reputation in China, and our annual sales are among the best in our country.

Q: What are your terms of payment?

A: We prefer T/T (50/50) through Ali Credit Insurance as a trial order.

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

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