



10-36 Ton Excavator Tunnel Boom Short Arm For Narrow Tunnel Basement Construction OEM Customized

Our Product Introduction

for more products please visit us on excavatorlongarm.com

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZHONGHE
- Certification: CE
- Model Number: EX225
- Minimum Order Quantity: 1 piece
- Price: \$6500/pieces
- Packaging Details: Bubble bag packaging
- Delivery Time: 20-30 work day
- Payment Terms: T/T
- Supply Ability: 5 Piece/Pieces per Month

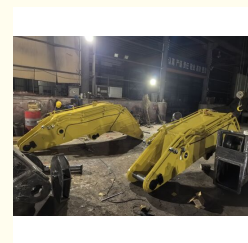
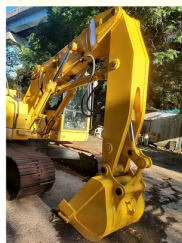


Product Specification

- Brand Name: ZHONGHE
- Product Name: Excavator Tunnel Arm
- Application: Mining And Construction
- Moving Type: Crawler Excavator
- Material: Q355B/Q690D
- Color: As Customer Requirements
- Warranty: 6 Months
- MOQ: 1 PCS
- Condition: 100%New
- Packing: Standard Packing
- After-sales Service: Video Technical Support



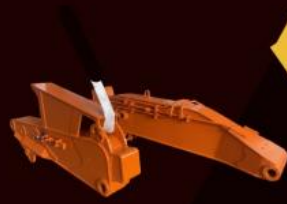
More Images



Product Description

Our Product

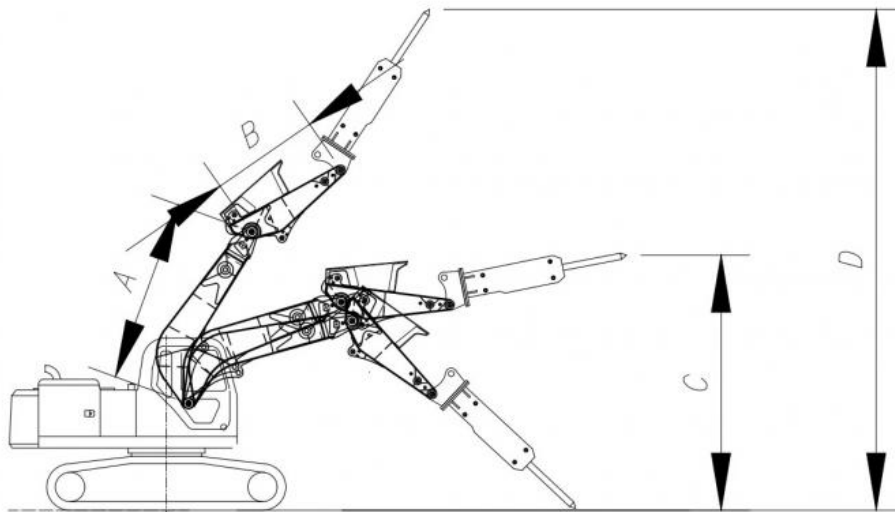
Excavator Tunnel Arm



Tunnel Arm Customization

- *Applicable for all brand excavator.
- *Color, length, material can do according to you.
- *Made of Q355B or Q690D steel with good strength and rigidity.


ZHONGHE MACHINERY



Excavator (ton)	Total Length (mm)	(A)Boom (mm)	(B)Arm (mm)	Maximum Working Height (mm)(C)	Maximum Driving Depth (mm)(D)
20-25T	13000	3200	1900	4500	8500
30-36T	15400	4200	1900	5000	10500
40-45T	18000	4500	1900	5000	11000



What is an excavator tunnel arm

The tunnel arm generally refers to a working device that works in a narrow space. It is mostly used in tunnels, so it is called a tunnel arm. In Hong Kong, it is called a dungeon arm or a fireplace arm. In Taiwan, it is called a naughty leopard. There are various names, but in China Popularly known as tunnel arms.

Suitable for tunnels or other narrow working conditions. The tunnel arm can carry a breaker that is one model larger than the standard arm, increasing work efficiency. The forearm is filled with iron sand to increase its weight, which can suppress the breaker hammer more forcefully and reduce rebound. The bucket arm cylinder is placed underneath to reduce cylinder damage and failure.

Standard Configuration

1 set boom and arm, stick cylinder, bucket cylinder, linkage assembly, 7 pins, 6 high-pressure hoses, 1 set breaker hydraulic lines, 2 stop valves.

Advantages

1. Long-lasting Durability

For our tunnel booms designed for excavators with a capacity of 30 tons or more, we utilize steel plates with a thickness of 20–30 mm. This design ensures a service life that far exceeds that of the original equipment manufacturer's (OEM) booms.

2. Operational Convenience and Innovative Design

The intermediate cylinder of the tunnel boom is positioned underneath, ensuring an unobstructed workspace and greater ease of operation. Additionally, we have incorporated protective covers for the bucket cylinders to prevent damage from falling debris.

3. Enhanced Efficiency

The tunnel dipper arm is filled with internal material, which helps dampen the recoil of the hydraulic breaker and improves overall impact efficiency.

4. Product Robustness

We employ a three-layer welding process to ensure superior weld quality and overall product integrity. Alloy steel bushings are also available, tailored to specific customer requirements.

5. High-Precision Seamless Piping

All hydraulic lines consist of 1.2-inch thick-walled seamless piping, which significantly reduces the risk of pipe bursts. We use high-quality, original-specification shut-off valves for an extended service life, and we utilize premium-grade Ningbo-manufactured fittings for all welded connections.

6. Reduced Failure Rate

We use oversized bucket cylinders to minimize the most common issue encountered with tunnel booms: the bending of the piston rod. For instance, our units for 20-ton excavators feature 30-ton class bucket cylinders; those for 30-ton excavators use 45-ton class cylinders; and those for 45-ton excavators are equipped with 65-ton class cylinders—all designed to lower the frequency of mechanical failures.

Tunnel boom

Tunnel boom

- Meets the needs for powerful machines on rock breaker projects in confined tunnels
- A true customised reliable performer, with robust cylinder guard, capable of break rock more effective, and with significantly smaller footprint.

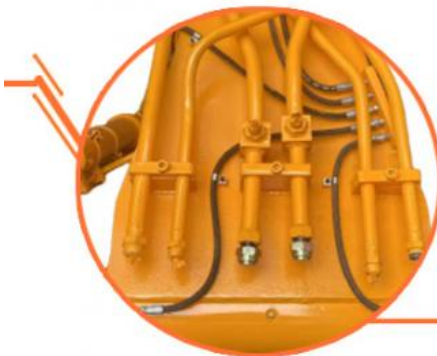


High effectiveness

1. On the same machine, tunnel arm can obtain greater lifting capacity than standard arm.
2. Opening angle between boom and arm can reach 180 degrees

Robust structure

1. The upper and lower cover plates are thicker.
2. The arm is filled with iron sand to reduce vibration
3. Robust cylinder guard



Avoid oil leakage

1. Stop valves prevent oil leakage when replacing breaker by bucket.
2. Multi-layer welding for pipe connectors

Long service life

1. Cylinder protective cover design



2. Q355B material, high-quality accessories, full weld, reinforced stress position, etc.



Pivot end

HD Boom with pivot end reinforcement Single piece design & thicker steel plates



Reinforce design--- stronger & not easy cracking



1.2 inch thick seamless pipe

Precision pipeline, not prone to bursting and oil leakage

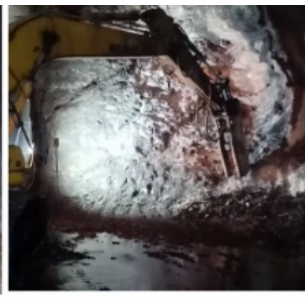
Working Condition



Highway construction tunnel



Underground Engineering



Mountain excavation



Working under bridges



Mine tunnel



Railway construction

Pictures Display



WHY CHOOSE US

ZHONGHE Product Advantages

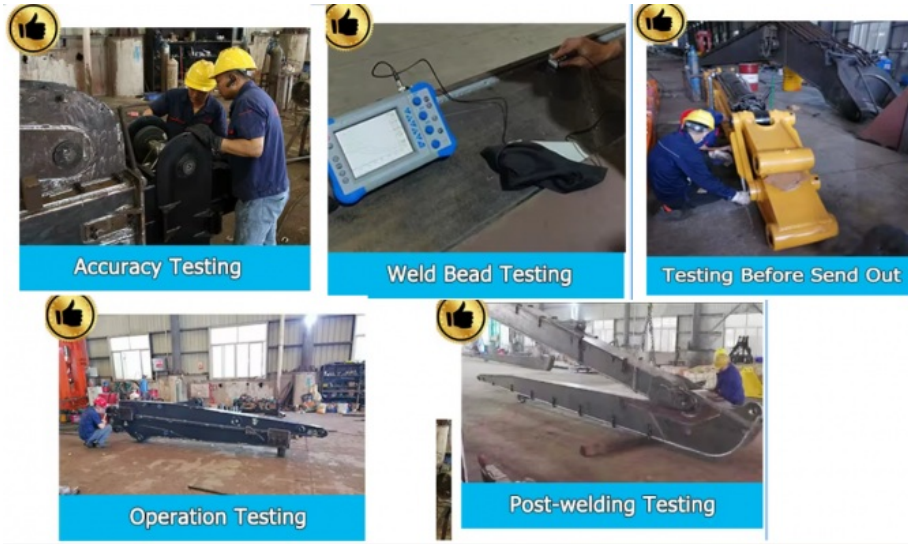
1. Fashionable style
2. Professional Team
3. Quality control
4. Moderate price
5. CE certification
6. Promptly answer
7. Patented technology
8. Enrich production experience

ZHONGHE triple quality control system

1. The first system is the technical design drawing review mechanism.
2. The second system is the semi-finished product review mechanism.(each process has a detection testing for the previous process)
3. The third system is the finished product testing.(Before painting, the overall inspection is carried out

to check whether the design size matches the welding size, and whether the installation size meets the design requirement.)

To sum up, every single ZHONGHE product has been passed the above three-stage inspection system to ensure that is qualified before shipping.



Quality Advantage Comparison

Solder: Goldenbridge brand welding wire ensures solid and crack-resistant welds for heavy-duty working.

Connectors: Premium Ningbo hydraulic connectors with accurate threads, excellent sealing and leak-proof performance.

Steel: Steel plates processed with edge-mining, which improves welding penetration and overall structural strength.



Ours-Goldenbridge

SOLDER
VS



Others



Ours-Ningbo connector

CONNECTORS
VS

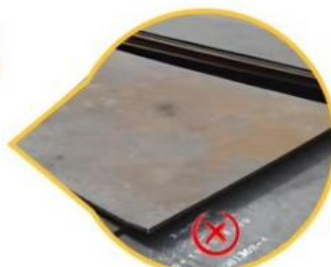


Others



Ours-Edge-mining

STEEL
VS



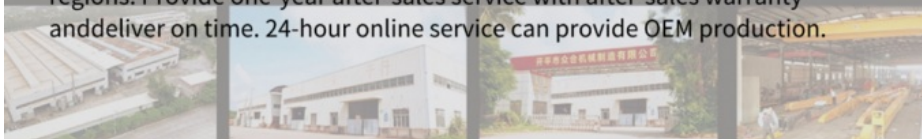
Others-No edge-mining

COMPANY PROFILE



Kaiping Zhonghe Machinery Manufacturing Co., Ltd.

Founded in 2018, Zhonghe heavy industry independently develops and produces construction machinery parts such as excavator lengthening arm, mountain pulling arm, two-stage telescopic arm, sliding arm, three-stage telescopic arm, three-stage demolition arm, rock arm, tunnel arm, bucket, pile driving arm, wood grabber, steel grabber and scarifier. It is widely used in weathered stone crushing, subway construction, forestry logging, municipal pipeline engineering, river dredging, building demolition, Larsen steel sheet pile driving and pulling, pile foundation engineering, resource recovery and other engineering industries. The products are sold in more than 40 countries and regions. Provide one-year after-sales service with after-sales warranty and deliver on time. 24-hour online service can provide OEM production.



团队风采 Our Team

千人同心 则得千人之力 万人异心 则无一人之用

The power of knowledge, the power of the power of unity and dedication, we will gets.



Certificates



Exhibition



OUR CUSTOMERS

Our products are stable used in Australia, New Zealand, Norway, Sweden, USA, Canada, Austria, Ireland, Britain, Malaysia, Philippines, Mauritius, Reunion, Kenya, Ecuador, Chile, etc

SHIPPING & PACKAGE



Package

Bubble bag packing for most products;
Wooden case for little products, like buckets;
Iron frame support for boom arms.
The accessories and package of excavator long boom arm are subjected to our final confirmation.



PRODUCT CATEGORY



Long Reach Boom



Sliding Arm



Two-section Telescopic Arm



Three-section Telescopic Arm



Pile Driving Arm



Tunnel Arm

PRODUCT CATEGORY



Rock Bucket



Standard Bucket



Tilt Bucket



Ditch Cleaning Bucket



Skeleton Bucket



Rock Ripper

KOMATSU

CAT

HITACHI

VOLVO

SUMITOMO

KOBELCO

DOOSAN

CASE

KATO

HYUNDAI

JCB

LIEBHERR

ATLAS

TEREX

Kubota

YANMAR

TAKEUCHI

IHISCE

SANY

SDLG

山重建机

STRONG

JCM

SHANTUI

LOVOL

福田雷沃重工

XGMA

厦工

LIUGONG

柳工

LISHIDE

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ZOOMLION

XCMG

龙工

LONKING

龙工

SUNWARD

山河智能

HOT CUSTOMIZED PRODUCTS

Goods that people like to customize



Long Reach Excavator Boom

- Long Reach Boom /
- Three Sections Demolition Arm /
- Demolition Extension Arm /

[Customize now](#)



Demolition Boom

- Long Demolition Boom /
- Super Long Demolish Distance /
- Safe Demolition /

[Customize now](#)



Telescopic Boom

- Three-stage Extension /
- Super Long Control Distance /
- Flexible Expansion /

[Customize now](#)



Bucket

- Replaceable Fork Tines /
- Heavy Durable Bucket /



Wood Grabber

- Mechanical Hydraulic Shear /
- Excavator Rotating Grapple /



CONSTRUCTION HEAVY EQUIPMENT

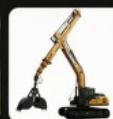
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Long Reach Arm



Demolition Arm



Telescopic Arm



Piling Arm



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