



HCN ATTAMCHMENTS CONTENT YOUR NEED

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PRODUCT OPERATION MANUAL

roduct model: 0223A70 pile-driver

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XUZHOU HCN ATTACHMENT MANUFACTURE CO., LTD.

CATALOGUE

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Safety instructions

1. Always read this manual carefully before installation

Operation and maintenance personnel must carefully read and be familiar with the manual before installing, operating and maintaining the machine. Incorrect installation, operation and maintenance of the machine may lead to serious injury or death.

2. Read and understand all of the safety statements

Read and familiarize yourself with all safety markers and safety statements before work;

Compliance with all occupational safety regulations, local laws and regulations and other professional guidelines;

Follow good working habits during assembly, maintenance and operation.

3. Be familiar with the machine and tool

Be familiar with and understand the performance and parameters of the machine before operation;

Before operation to carefully check the machines and tools, when all the devices are adjusted debugging can be operated;

Ensure that the machine is installed firmly installed, replace parts that may be damaged, and ensure that all hydraulic joints and hydraulic devices are firmly connected;

Ensure that all safety markers are in the correct position and are clearly marked.

4. Wear protective clothing

Wear safety clothing and protective goggles or face mask during operation to prevent splashes from causing damage to the human body during operation.

5. Do not modify the machine in any form

6. Safe maintenance machines

During maintenance, the machine must be lowered to the horizontal ground,

far away from traffic and other dangerous places; if the machine needs to be raised for maintenance, it must be secured with solid objects;

Special tools shall be used during maintenance according to the operating procedures. If there are no special tools, some similar tools can be used, and whenever any ordinary tools can cause the parts of this or that damage, the special tools must be used.

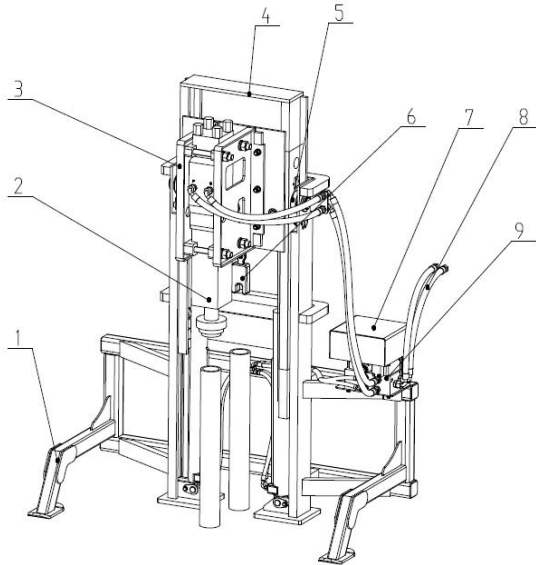
7. Safe operation of the machine

Do not operate if you are drunk or taking medication;

If someone enters the operation danger area, the operator should immediately stop the operation of the machine. Stop the operation, please put the machine flat on the ground.

product description

1. Product structure



description:

1-main frame; 2-crushing device; 3-crushing device splint; 4-internal guide rail frame; 5-guide rail bearing; 6-pull pipe clip; 7-solenoid valve cover;

8-hydraulic line; 9-solenoid valve set;

2. Technical performance indicators:

0223A70 pile-driver technical parameters			
length (mm)	883	working pressure (MPa)	10-14
Width (mm)	1720	Work flow (L/min)	40-70
height (mm)	1736-2536	Crackdown frequency (bpm)	500-700
weight (KG)	785	Pull the pile force (T)	8
Operational height (mm)	600-2600	Suitable tube diameter (mm)	Φ 100- Φ 140

operation declaration

This machine is mainly used for highway guardrail piling, pile pulling operations, and such as farm,

Pasture, orchard and other places of piling, piling, can reduce the amount of manual labor, save time, improve operation efficiency.

1. Connect the machine to the main machine through the pendant, connect the inlet and outlet oil pipes to the inlet and oil ports of the main engine, and connect the power line of the solenoid valve set to the main engine line. Before use, gently check whether the wiring of the electrical components is loose, and whether the hydraulic pipe joint is loose. The operation of the machine and tool is completed by two personnel, one person is responsible for operating the machine and tool, one person is responsible for

proofreading the verticality of the pile driver, so as to avoid the phenomenon of slanting.

2. Pile driving operation:

2.1

Press the power switch of the electrical control box, connect the power supply of the electromagnetic valve set (for the button box, the machine is shown in Figure 1), press the cylinder to the top, adjust the height of the pile, adjust the height of the pile, adjust the position of the pile hammer to a certain height (about 50-80mm); Before the hammer strike, the ground support personnel signal the operator to start.

2.2

During pile driving, press the "pile driving" and "rise / down" button (the cylinder button is the rotation point control switch, and the pile driving button is the self-locking button switch) to control the falling speed of the cylinder through operation observation. After the drop stroke of the cylinder is finished, stop the piling action and start the cylinder rise button to move the hammer head to the top of the cylinder. Then the main arm of the operation engine slowly falls down, so that the pile hammer head presses the hole in the steel pipe again, and cycle the above operation order repeatedly until the steel pipe is hit to the required depth.

3. Pile-pulling operation:

3.1

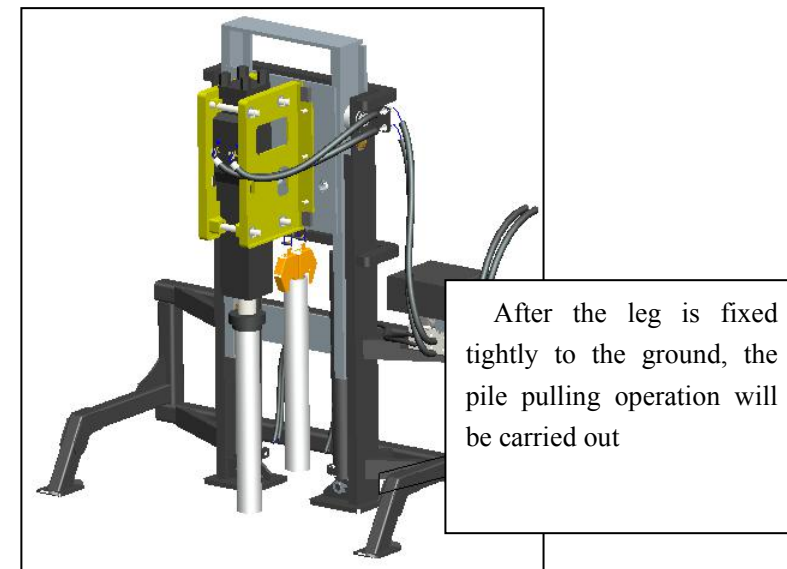
Arrange according to the arrangement shown in Figure 2, and clamp the port position of the steel pipe (see Figure 4), move the size arm of the main machine, adjust the leg to the ground (see Figure 3), and start the cylinder rise button to tighten the wire rope and pull out the pile. In the process of lifting the steel pipe, if the oil cylinder has moved to the top, and the steel pipe has not been completely pulled out, the auxiliary pile pulling operation can be carried out by operating the upper arm rise of the main engine.

3.2

Note: after the steel pipe clip, be sure to put the safety of the pipe clip. Pull the ring to prevent loosening when pulling piles.

4. After the operation, start the cylinder drop button, drop the pile hammer head to the lowest position, disconnect the power switch of the electrical control box, and close the main engine switch.

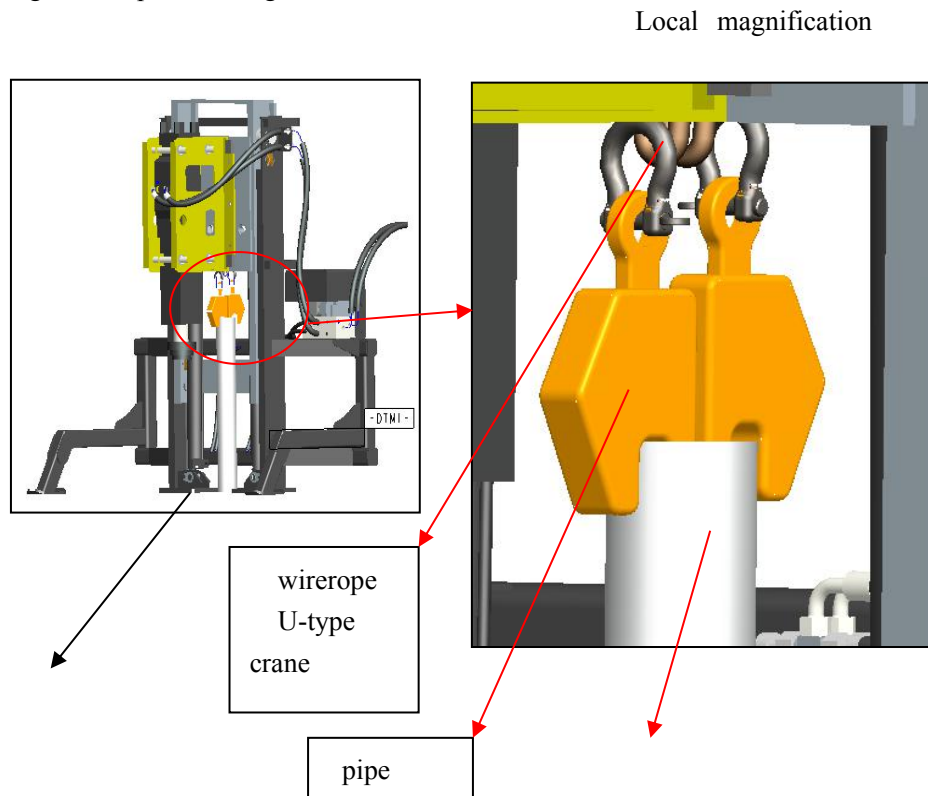
Button box control Panel (Figure 1)



Steel pipe

Pile diagram (Figure 2)

Figure 3 of pile drawing



four. maintenance instruction

1. Thoroughly clean all dirt, dirt and grease.
2. Check the visible signs of wear and make the necessary repair of the damaged or damaged accessories to avoid affecting the next use.
3. Check all bolts, nuts, and screws, and tighten all loose nuts, caps, and screws. Check the hydraulic system and tighten all loose line connections.

4. All leaking oil cylinder rods are coated with grease.

5. Butter at all lubrication points.

6. Replace the damaged or blurred labels.

7. If the paint surface is falling off or damaged, please repair the paint in time to prevent rust.

five. Storage instructions

1. When warehousing, put the machine on the partition plate, and prohibit direct contact with the ground.

2. It should be stored in a dry and safe place, and the exposure will shorten the life of the equipment.

3. The hydraulic pipeline is closed with an oil cap.

4. All leaky cylinder rods are coated with grease.

5. Maintain and maintain the machine regularly.