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> [AMZCNC Hydraulic Gear Puller 5 Ton \(Model 5Ton 8"jaw\) Instruction Manual](#)

AMZCNC 5Ton 8"jaw

AMZCNC Hydraulic Gear Puller 5 Ton (Model 5Ton 8"jaw) Instruction Manual

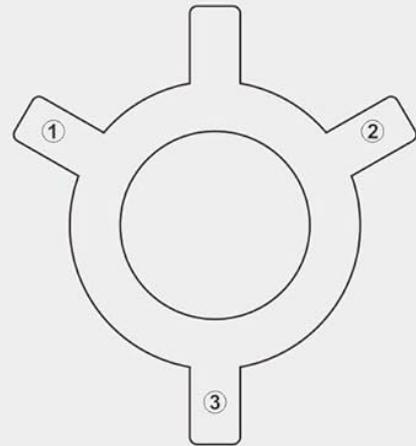
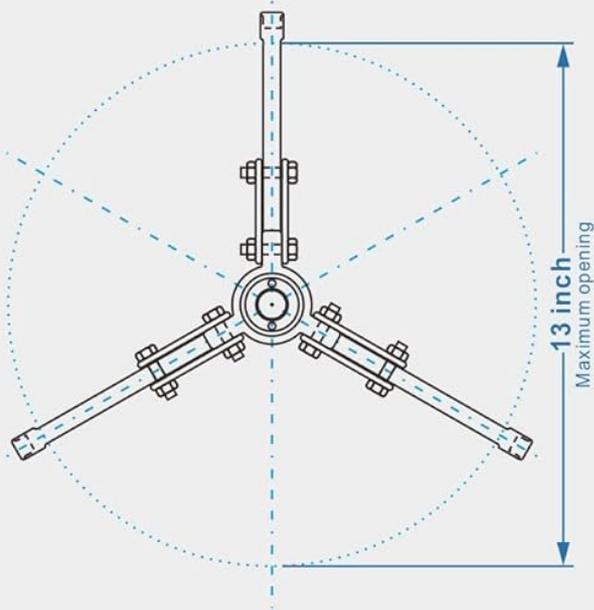
Model: 5Ton 8"jaw | Brand: AMZCNC

INTRODUCTION

This manual provides essential instructions for the safe and effective use, setup, operation, and maintenance of your AMZCNC 5 Ton Hydraulic Gear Puller. Please read this manual thoroughly before operating the tool to ensure proper function and prevent injury or damage.

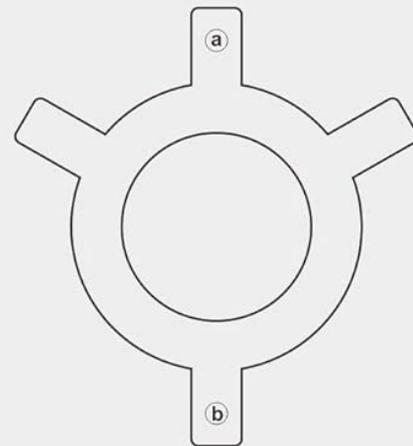
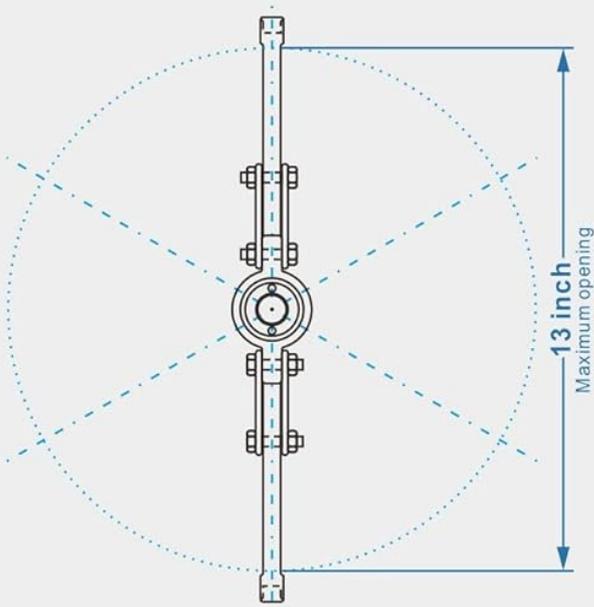
SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when operating the hydraulic gear puller.
- Ensure the workpiece is securely mounted and stable before applying force.
- Do not exceed the maximum rated capacity of 5 tons. Overloading can cause tool failure and injury.
- Inspect the tool for any damage or wear before each use. Do not use if components are damaged.
- Keep hands and other body parts clear of moving parts during operation.
- Release hydraulic pressure slowly and carefully after use.
- Store the tool in a clean, dry place away from children and unauthorized users.



*when operate the 3 jaws,
fix the claws at ①②③ of the claw plate*

Spread	approx 8"
Reach	approx 5-1/2"



*when operate the 2 jaws,
fix the claws at ①② of the claw plate*

Image: AMZCNC Hydraulic Gear Puller showing key specifications and a caution regarding jaw engagement for various applications like crawler wheels, car wheels, and gears.

PRODUCT OVERVIEW AND COMPONENTS

The AMZCNC 5 Ton Hydraulic Gear Puller is designed for efficient removal of hubs, flanges, gears, pulleys, flywheels, and bearings from shafts. It features adjustable jaws for versatile application.

What's in the Box:

- Hydraulic Puller Unit
- Operating Handle
- Leg Puller Yoke
- Three Jaws
- Six Link Plates
- Six Screw Sets



Image: The AMZCNC Hydraulic Gear Puller kit, including the main unit, handle, jaws, and accessories, neatly organized in a carrying case.

SPECIFICATIONS

AMZCNC Hydraulic Gear Puller (Model 5Ton 8"jaw)

Parameter	Value
Model Number	JH-5T (5Ton 8"jaw)
Max. Capacity (Force)	5 Tons (11000 lb)
Jaw Size (Spread)	Approx. 8" (200mm)
Max. Reach	Approx. 5.5" (140mm)
Axial Travel (Advance Stroke)	Approx. 2" (50mm)
Maximum Open Jaw	Φ13" (330mm)
Applicable Bearing Model	300-2307
Material	High strength 45# carbon steel (pump), alloy steel (jaws)
Item Weight	16.15 pounds
Package Dimensions	16.93 x 12.44 x 3.58 inches

SETUP

Before operation, ensure the puller is correctly assembled for your specific task. The puller can be configured with either two or three jaws.

1. **Select Jaw Configuration:** Determine if a two-jaw or three-jaw setup is suitable for the item to be pulled.

2. **Attach Jaws:** Install the selected jaws onto the leg puller yoke. For a three-jaw setup, fix the claws at positions 1, 2, and 3 of the claw plate. For a two-jaw setup, fix the claws at positions 'a' and 'b' of the claw plate.
3. **Secure Jaws:** Rotate the jaws clockwise along the threads to secure them.
4. **Mounting Claw:** Ensure the mounting claw is properly engaged with the workpiece.
5. **Adjust Nut:** Adjust the nut until it is snug but allows for movement.
6. **Mount Handle:** Attach the operating handle to the hydraulic pump.



Vehicle Repair



Equipment Maintenance



Gear Removal



Image: Diagrams illustrating how to configure the puller with two or three jaws, including approximate spread and reach dimensions for maximum opening.



Image: A seven-step visual guide demonstrating the assembly process, from installing jaws to mounting the handle and preparing for operation.

OPERATING INSTRUCTIONS

The hydraulic gear puller is designed for pulling hubs, flanges, gears, pulleys, flywheels, and bearings. It can be operated horizontally or vertically.

1. **Position the Puller:** Place the puller so that the jaws securely grip the component to be removed. Ensure the center screw is aligned with the shaft.
2. **Tighten Oil Return Switch:** Locate the oil return switch on the hydraulic pump and tighten it clockwise to close the valve.
3. **Operate Handle:** Pump the operating handle to build hydraulic pressure. The pressure will extend the ram, pushing the component off the shaft.
4. **Monitor Progress:** Continue pumping until the component is safely removed. Avoid excessive force.
5. **Release Pressure:** Once the component is removed, slowly turn the oil return switch counter-clockwise to release the hydraulic pressure and retract the ram.

6. Remove Puller: Carefully remove the puller from the workpiece.

Your browser does not support the video tag.

Video: Demonstration of a hydraulic gear puller in action, showing the process of removing a pulley from a shaft. While this video features a 10-ton model, the operational principles are similar for the 5-ton unit.



1. Install the jaws and rotate clockwise along the threads.
2. Fixed connecting piece.
3. Mounting claw.
4. Adjust the nut to be light (stay still if you don't move. Can work best if you force).
5. Mounting handle.
6. Tighten the oil return switch.
7. Operating the activity handle to start working.

MAINTENANCE

- **Cleaning:** After each use, clean the puller components to remove dirt, grease, and debris.
- **Lubrication:** Periodically apply a light coat of oil to the threaded parts and moving joints to prevent rust and ensure smooth operation.
- **Inspection:** Regularly inspect the jaws, ram, and hydraulic cylinder for signs of wear, cracks, or damage. Replace any worn or damaged parts immediately.
- **Hydraulic Fluid:** Check the hydraulic fluid level periodically. If low, refill with appropriate hydraulic oil. Consult a qualified technician if you suspect a leak.
- **Storage:** Store the puller in its original case or a dry, secure location to protect it from environmental elements and prevent damage.

TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
Puller not generating force	Oil return switch open; Low hydraulic fluid; Air in system	Ensure oil return switch is fully closed; Check and refill hydraulic fluid; Bleed air from the system (consult technician if unsure)
Ram not retracting	Oil return switch not fully open; Obstruction	Ensure oil return switch is fully open; Check for any physical obstructions preventing retraction
Jaws slipping	Improper jaw engagement; Worn jaws; Workpiece surface too smooth	Re-position jaws for better grip; Replace worn jaws; Use a suitable gripping aid if necessary
Oil leakage	Damaged seals; Loose connections	Inspect seals and connections; Tighten loose connections; Replace damaged seals (professional service recommended)

WARRANTY AND SUPPORT

For warranty information, product support, or to purchase replacement parts, please contact AMZCNC customer service. Refer to your purchase documentation for specific warranty terms and contact details.

Manufacturer: AMZCNC

Brand: AMZCNC

ASIN: B0B2LGXW8R

For additional resources, visit the official [AMZCNC Store on Amazon](#).



