

HYDRAULIC PISTON CLAMP

Part No. 40-10080599

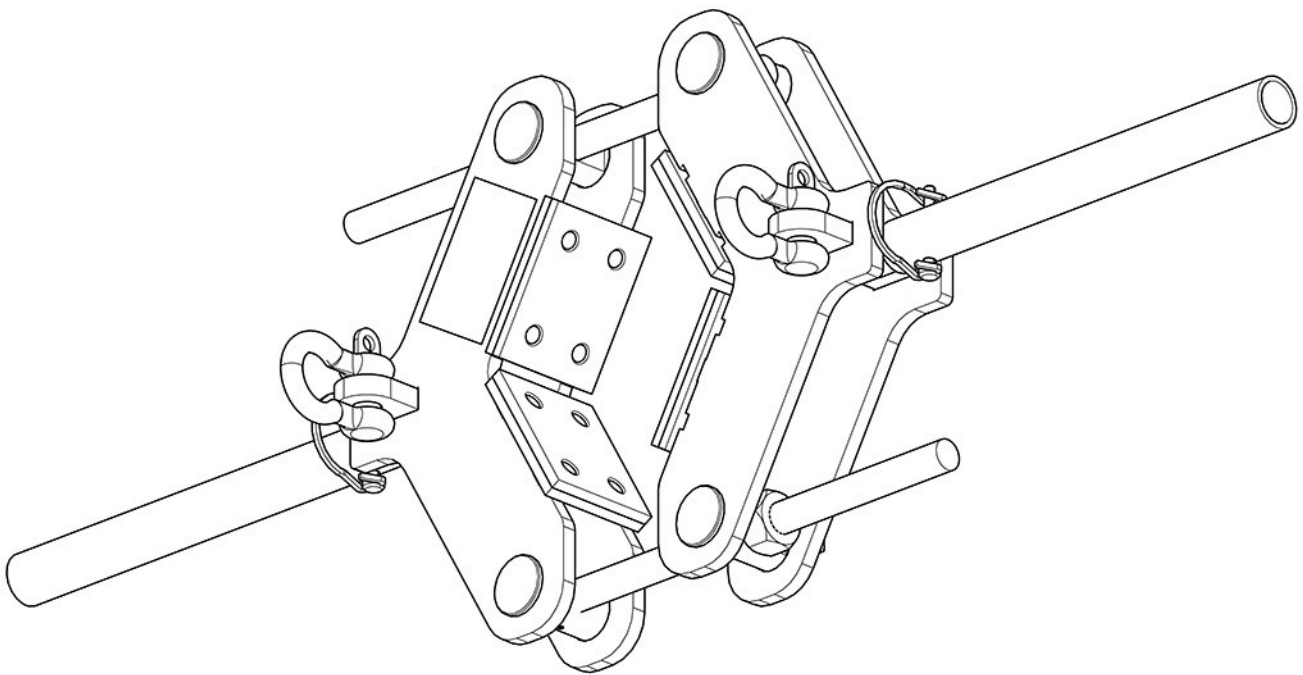


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NOTICE

GENERAL WARNINGS

The equipment covered in this manual should only be installed, used, and serviced by qualified personnel trained in proper work and safety procedures. This manual is intended to assist such trained individuals in the installation and use of this equipment and is not intended as a substitute for proper training and experience.

This document or any other information regarding this equipment is not intended to cover all of the possible situations which may be encountered while using the equipment described herein. Should specific situations arise which are not covered by the information provided, or should the user desire further details, the specifics should be directed to Wurtec, Inc.

Note: In the effort of continuous product improvement, Wurtec, Inc. reserves the right to modify the design and specifications of this product at any time without notice.

WARNING

Failure to comply with the following guidelines could result in death or serious injury:

- Before each use, inspect brake pads for wear. If there are cracks or any other defects in the pads, install replacement pads immediately. Replacement pad part number: 40-10080608.
- If brake pads have developed a groove of 0.06" or deeper, replace the brake pads.
- Before installing the clamp, ensure the cylinder is free of grease. Failure to do so may diminish the clamp's capacity and function.
- Torque the Acme Nuts, on the clamp, to 110 ft-lbs (149.2 Nm).
- The Hydraulic Jack Clamp can be used with cylinders with a diameter between 4" to 10".
- Do not use on jacks weighing over 1800 lbs.
- Never stand directly under the lifting assembly.

EQUIPMENT DESCRIPTION & INTENDED USE

The Wurtec Hydraulic Piston Clamp is a heavy-duty, adjustable clamp designed to safely hoist and hold elevator pistons during installation. Part of Wurtec's newly re-designed piston clamp line, it supports piston diameters from 4" to 10" and loads up to 1,800 lbs. The clamp includes a torque socket for tightening Acme nuts and features removable handles secured with locking lynch pins—intended solely for rotating and positioning the piston, not for lifting. This tool provides a secure, engineered alternative to outdated hoisting methods such as hardwood blocks and is intended for use by qualified elevator technicians.

INSTALLATION / ASSEMBLY TOOLS REQUIRED

The following are the minimum required tools for installation:

- Degreaser or other cleaning solution
- Rag
- Torque Wrench & Sockets
- Chain hoists (or other rated hoisting devices).

PERSONAL PROTECTION EQUIPMENT (PPE) REQUIRED

The following PPE is recommended for installation:

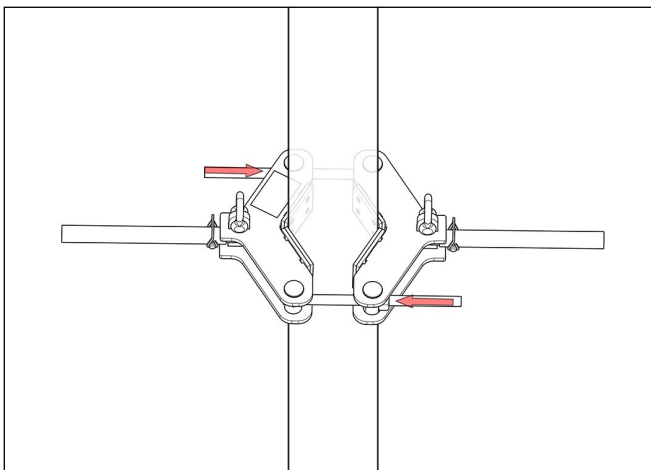
- Safety glasses
- Hard hat
- Abrasion-resistant gloves
- Steel toed boots
- Safety Vest
- Harness and attached lifeline

INSTALLATION INSTRUCTIONS



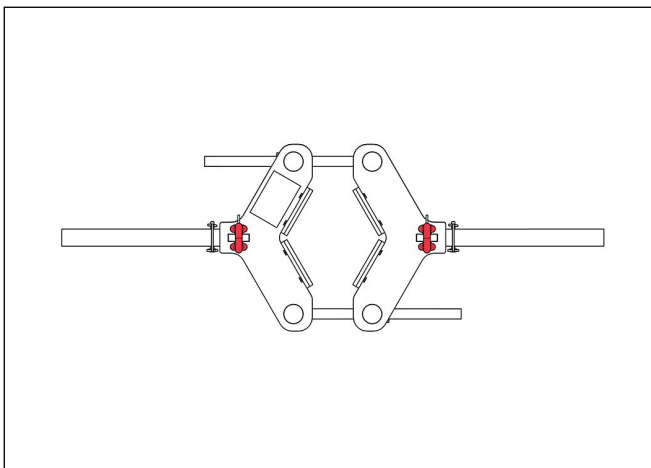
Step 1: Cleaning Before Installation

- Before installing the clamp, clean and dry the surface of the cylinder where the clamp will be mounted. Ensure the area is free of grease.
- NOTE: Always inspect brake pads before use and replace if needed.



Step 2: Clamping the Cylinder

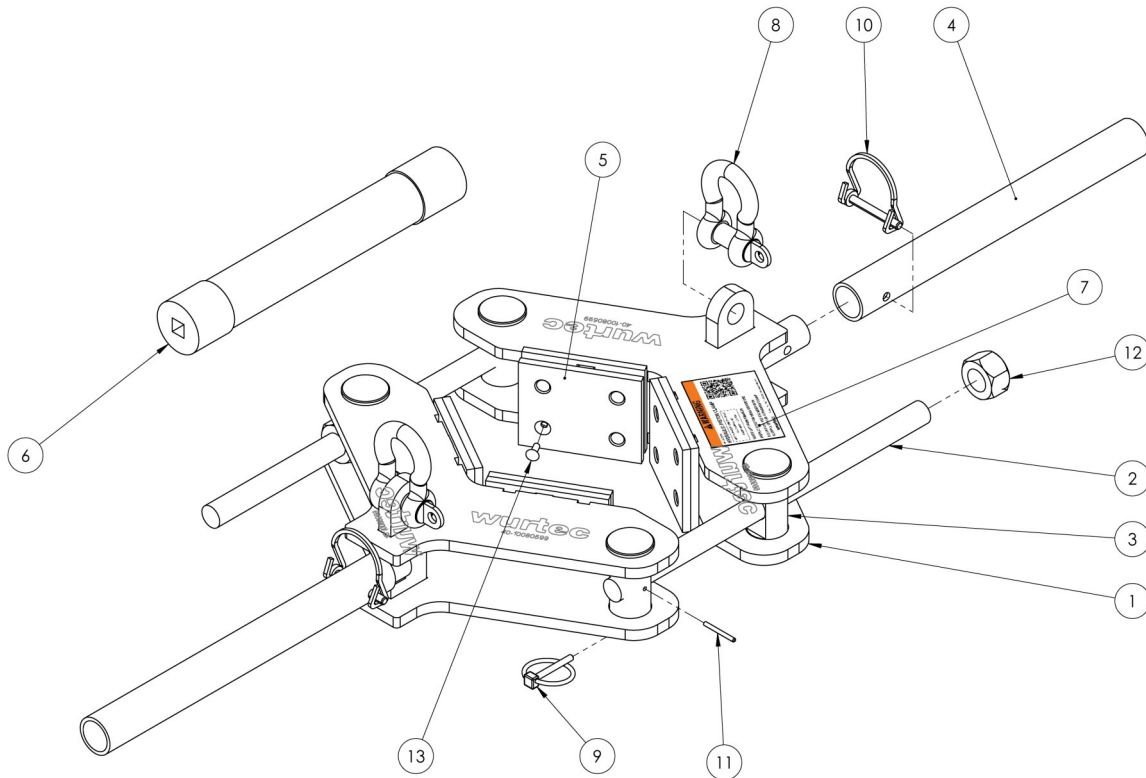
- Loosen the Acme Nuts on the clamp.
- Place the clamp onto the prepared area of the cylinder.
- Ensure that the clamp has equal engagement on the cylinder, and that the clamping bodies are exactly opposing each other.
- Using a torque wrench, tighten the Acme Nuts to 110 ft-lbs (149.2 Nm).



Step 3: Hoisting the Piston

- Connect chains, web slings, or other types of rated hoisting materials to the shackles on the clamp.
- Attach hoist to the chains.
- The jack clamp and cylinder, weighing up to 1800 lbs (816.4 kg), can now be lifted in a slow, uniform fashion. *NOTE: To maintain equilibrium, do not accelerate or stop quickly!
- Use the handles to rotate the piston as needed.
- *NOTE: The clamp handles are designed solely for positioning and rotating the piston into place. **Do not use the handles for lifting or hoisting under any circumstances.**

BILL OF MATERIALS



Item	Qty	Part No.	Description	Size	Length
1	2	40-10080605	CLAMP BODY WELDMENT - HD	-	-
2	2	40-10080610	CLAMPING ROD ASSEMBLY - HD	-	-
3	2	40-10080609	PIVOT PIN - CLEARANCE - HD	-	-
4	2	40-10076071	JACK CLAMP HANDLE	-	-
5	4	40-10080608	BRAKE PAD - HD	-	-
6	1	11-525-SOCKET	1 1/4" CUSTOM SOCKET		
7	1	15-10085924	HYDRAULIC PISTON CLAMP STICKER	-	-
8	2	16-031	ANCHOR SHACKLE	3 TON	-
9	4	10085923	LINCH PIN, 3/16" DIA. PIN, 1.25" STOCK, ZINC		
10	2	CLP-570	LYNCH PINS, WIRE LOCK TYPE, 0.25 IN PIN DIA x 1.75 IN GRIP LENGTH		
11	2	10065011-62	SLOTTED SPRING PIN	1/8"	1 1/4"
12	2	37992	ACME HEAVY HEX NUT	3/4-6	
13	16	24210	FLAT HEAD SCREW	10-32	1/2"

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BILL OF MATERIALS

