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WEN CLR062

WEN CLR062 6-Inch Heavy Duty Steel Bar Clamps and Spreaders User Manual

Model: CLR062

1. Introduction

The WEN CLR062 6-Inch Heavy Duty Steel Bar Clamps and Spreaders are designed to securely hold materials in place for various woodworking, crafting, and DIY projects. This set includes four versatile clamps that can function as both clamps and spreaders, offering flexibility for different applications. Their robust construction ensures reliable performance and durability.



Figure 1.1: Overview of the WEN CLR062 6-Inch Bar Clamps and Spreaders (Four Pack).

2. Safety Instructions

Always follow basic safety precautions when using hand tools to reduce the risk of personal injury. Read and understand all instructions before operating the clamps.

- **Wear Eye Protection:** Always wear ANSI-approved safety goggles or safety glasses with side shields when using clamps or performing any work that may generate flying debris.
- **Inspect Clamps Before Use:** Before each use, check the clamps for any signs of damage, wear, or loose parts. Do not use damaged clamps.
- **Secure Workpiece:** Ensure the workpiece is stable and properly secured before applying pressure with the clamps.
- **Do Not Exceed Rated Force:** These clamps are rated for up to 150 pounds of force. Do not attempt to apply force beyond this limit, as it may damage the clamp or the workpiece.
- **Keep Hands Clear:** Keep hands and fingers away from the clamping jaws and moving parts to prevent pinching.
- **Use Non-Marring Pads:** Always use the non-marring pads to protect your workpiece surfaces from damage.
- **Store Properly:** Store clamps in a dry, clean place, out of reach of children and away from corrosive materials.

3. Components and Parts

Each WEN CLR062 clamp consists of the following key components:

- **Reinforced Steel Bar:** The main structural component providing strength and rigidity.
- **Fixed Jaw:** The stationary end of the clamp.
- **Sliding Jaw:** The movable end that applies pressure.
- **Ergonomic Squeeze Trigger:** Used to apply and increase clamping pressure.
- **Quick-Release Latch:** Allows for rapid adjustment and release of the sliding jaw.
- **Non-Marring Pads:** Protect workpiece surfaces from impressions or damage.



Figure 3.1: Individual WEN CLR062 Clamp Components.

4. Setup

The WEN CLR062 clamps are ready for use out of the box. No assembly is required. Before first use, ensure the non-marring pads are securely attached to both jaws.

Adjusting Jaw Opening:

1. Press and hold the quick-release latch located on the sliding jaw.
2. Slide the movable jaw along the steel bar until it is slightly wider than the workpiece you intend to clamp or spread.
3. Release the quick-release latch to lock the jaw in place.

5. Operating Instructions

Using as a Clamp:

To use the tool for clamping, ensure the fixed jaw is oriented correctly for inward pressure.

1. Position the workpiece between the fixed and sliding jaws.
2. Adjust the sliding jaw close to the workpiece using the quick-release latch.
3. Squeeze the ergonomic trigger handle repeatedly to apply clamping pressure until the workpiece is securely held. The clamp can apply up to 150 pounds of force.
4. To release pressure, press the quick-release latch.



Figure 5.1: Clamp in Clamping Mode.

Using as a Spreader:

The reversible design allows the clamp to quickly transform into a spreader.

1. Locate the screw or pin that secures the fixed jaw to the steel bar.

2. Remove this screw/pin to detach the fixed jaw.
3. Reattach the fixed jaw to the opposite end of the steel bar, facing outwards.
4. Position the jaws against the surfaces you wish to spread apart.
5. Squeeze the ergonomic trigger handle to apply outward spreading pressure. The maximum spreading width is 11 inches.
6. To release pressure, press the quick-release latch.



Figure 5.2: Clamp Converted to Spreader Mode.

6. Maintenance

Proper maintenance will extend the life of your WEN CLR062 clamps.

- **Cleaning:** After each use, wipe down the steel bar and jaws with a clean, dry cloth to remove dust, sawdust, and debris. If necessary, use a mild detergent and water, then dry thoroughly.
- **Lubrication:** Periodically apply a light coat of machine oil or silicone spray to the steel bar and the quick-release mechanism to ensure smooth operation. Avoid getting lubricant on the non-marring pads.
- **Inspection:** Regularly inspect the clamps for any signs of wear, bending, or damage to the steel bar, jaws, or trigger mechanism. Replace any damaged clamps immediately.
- **Storage:** Store clamps in a dry environment to prevent rust. Hanging them or storing them in a tool drawer will protect them from accidental damage.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Clamp not holding pressure / Slippage	Workpiece surface is slippery or dirty. Jaws or pads are worn or dirty. Exceeding maximum rated force (150 lbs). Clamp mechanism is dirty or needs lubrication.	Clean workpiece surfaces. Clean jaws and non-marring pads. Replace pads if severely worn. Reduce applied force or use additional clamps. Clean and lubricate the quick-release mechanism and steel bar.
Sliding jaw is stiff or difficult to move	Accumulation of dirt or debris on the steel bar. Lack of lubrication.	Clean the steel bar thoroughly. Apply a light lubricant to the steel bar and sliding mechanism.

8. Specifications

Model Number	CLR062
Brand	WEN
Style	6-Inch
Material	Heavy Duty Reinforced Steel
Color	Red
Maximum Jaw Opening	6 inches
Throat Depth	2.3 inches
Maximum Spreading Width	11 inches
Tensile Strength (Force)	Up to 150 Pounds per clamp
Item Weight (Four Pack)	3.06 pounds (1.39 Kilograms)
Package Dimensions	12.6 x 6.89 x 3.11 inches
UPC	044459993667

9. Warranty and Support

WEN products are typically backed by a manufacturer's warranty. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official WEN website. Keep your purchase receipt as proof of purchase for any warranty claims.
For technical support, replacement parts, or general inquiries, please contact WEN customer service. Contact information can usually be found on the product packaging or the official WEN website (wenproducts.com).

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