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### VEVOR 24KN-VMP 1/2inch

# VEVOR 1/2" MegaPress Jaw Instruction Manual

Model: 24KN-VMP 1/2inch

Introduction Compatibility Safety Product Overview Setup & Operation Applications Maintenance Troubleshooting Specifications Warranty & Support

## 1. Introduction

This manual provides essential instructions for the safe and effective use of the VEVOR 1/2" MegaPress Jaw. This pressing jaw is designed for creating secure connections in MegaPress carbon steel piping systems. Please read this manual thoroughly before operation to ensure proper usage and to prevent potential hazards.
Key features of this product include:

- **Durable Construction:** Crafted from high-strength carburized steel (≥52HRC) for long-lasting performance, capable of over 10,000 crimps.
- **Compact Design:** Smaller than standard-series jaws, allowing for flexible use in confined or tight spaces.
- **Reliable Connections:** Ensures precise control over applied pressure and torque for high-quality, reliable pipe connections.

## 2. Compatibility

The VEVOR 1/2" MegaPress Jaw is specifically designed for use with 1/2-inch MegaPress carbon steel pipes. It is compatible with the following compact electric press tools:

- **VEVOR Press Tools:** MP-2430, SL-2430
- **Other Brands:** RP100-B, RP200-B, RP210-B, RP240, RP241, RP251, M12

Ensure your press tool has a rated output of 24 KN for optimal performance with this jaw.




Image: The VEVOR 1/2 inch MegaPress Jaw shown alongside compatible VEVOR press tools (MP-2430, SL-2430) and a list of other compatible brands.

## 3. Safety Information

Always prioritize safety when operating press tools and accessories. Failure to follow safety guidelines can result in serious injury or property damage.

- **Read Tool Manuals:** Always read and understand the instruction manual for your specific press tool before

attaching or using the VEVOR MegaPress Jaw.

- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety glasses, gloves, and sturdy footwear, during operation.
- **Inspect Equipment:** Before each use, inspect the press jaw and your press tool for any signs of damage, wear, or deformation. Do not use damaged equipment.
- **Secure Workpiece:** Ensure the pipe and fittings are properly secured before performing a crimp.
- **Clear Work Area:** Keep the work area clean, well-lit, and free from obstructions.
- **Authorized Use:** Only use the press jaw for its intended purpose with compatible MegaPress carbon steel pipes and press tools.
- **Avoid Pinch Points:** Keep hands and fingers clear of the jaw mechanism during operation to prevent pinch injuries.

## 4. Product Overview

The VEVOR 1/2" MegaPress Jaw is a robust accessory designed for efficient and reliable pipe connections. Its construction ensures durability and precision for professional results.




Image: A detailed view of the VEVOR 1/2 inch MegaPress Jaw, highlighting its robust construction.




Image: Technical drawing showing the dimensions of the VEVOR 1/2 inch MegaPress Jaw (5.31 x 4.04 x 1.28 inches).

## 5. Setup and Operation

Follow these steps for quick setup and easy crimping with your VEVOR 1/2" MegaPress Jaw.

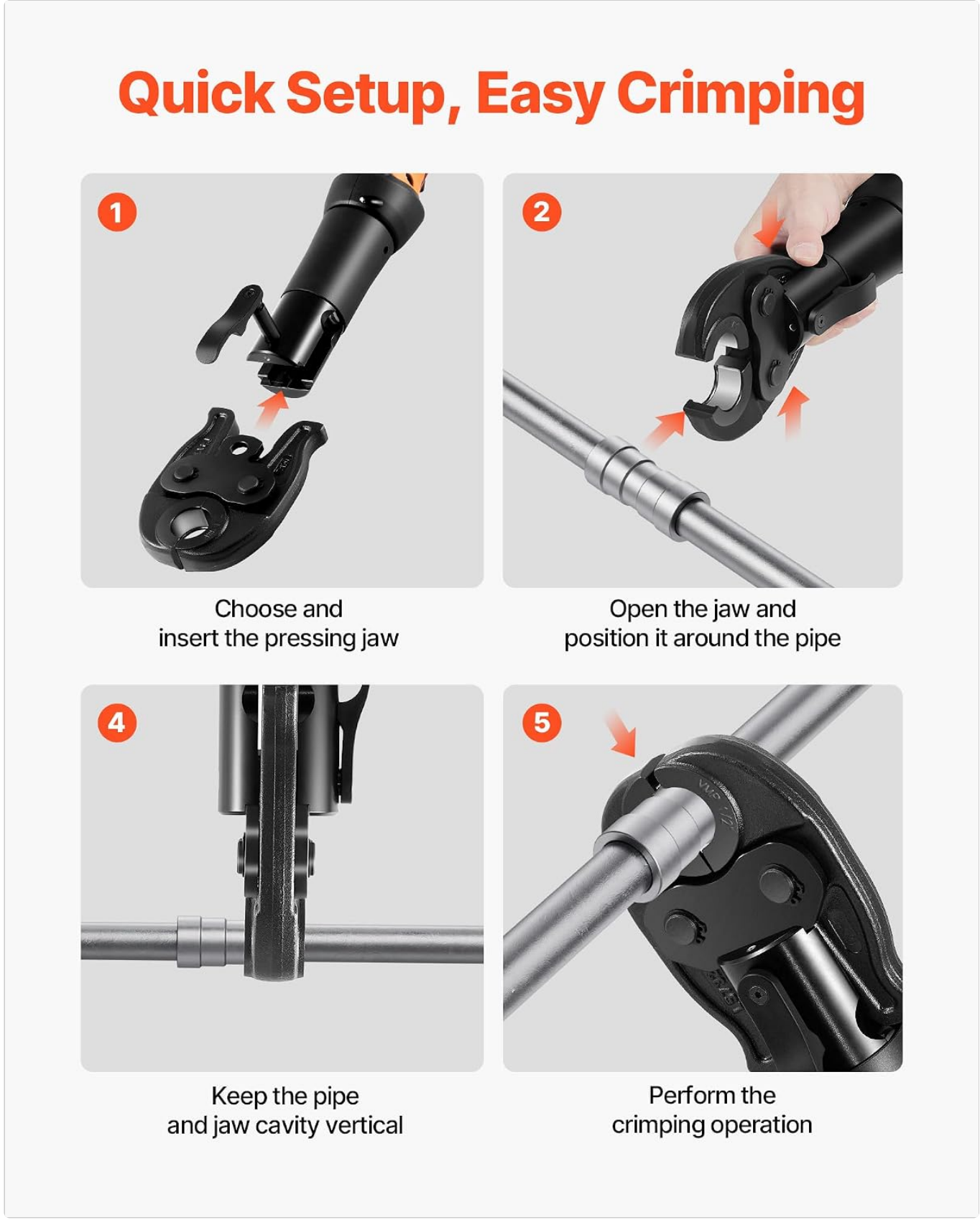


Image: Visual guide demonstrating the four steps for setting up and operating the press jaw.

1. **Choose and Insert Jaw:** Select the correct 1/2-inch MegaPress jaw. Ensure your press tool is powered off and disconnected from its power source (if electric). Carefully insert the pressing jaw into the press tool's head, ensuring it clicks securely into place.
2. **Open Jaw and Position:** Open the press jaw fully. Position the open jaw around the pipe and fitting connection point. Ensure the pipe is clean and properly prepared according to MegaPress system guidelines.
3. **Align Vertically:** Ensure the pipe and the jaw cavity are aligned vertically. Proper alignment is crucial for a successful and secure crimp.

4. **Perform Crimping Operation:** Activate your press tool. The tool will automatically close the jaw, performing the crimping operation. Hold the tool steady until the crimping cycle is complete and the jaw fully closes and then releases (if automatic). Inspect the crimped connection for completeness and security.

## 6. Applications

The VEVOR 1/2" MegaPress Jaw is suitable for a wide range of applications involving MegaPress carbon steel piping, including:

- HVAC systems
- Gas pipelines
- Radiant heating installations
- Residential plumbing
- Commercial piping installations
- Industrial sites

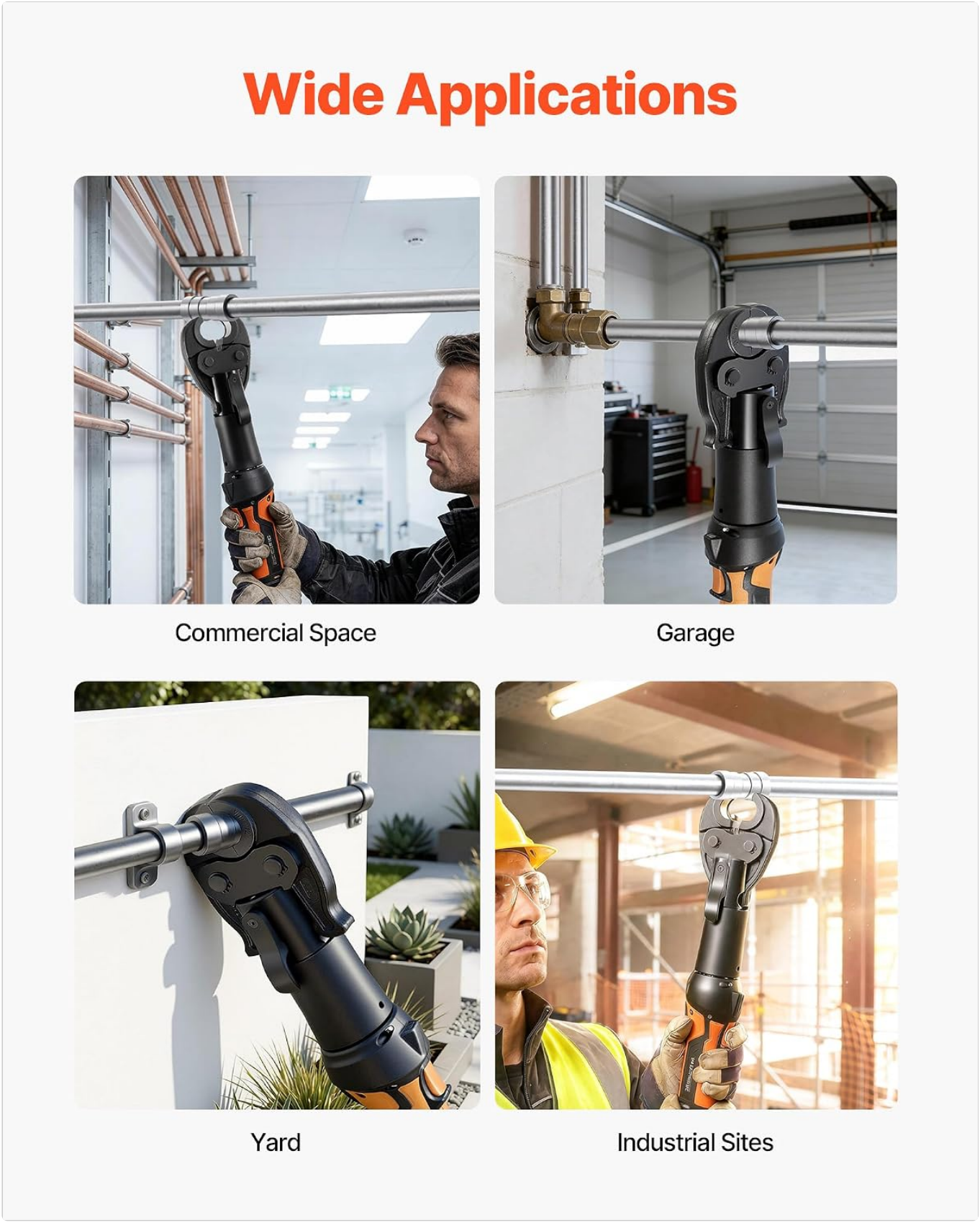


Image: Examples of environments where the MegaPress Jaw can be used, including commercial spaces, garages, yards, and industrial sites.

## 7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your VEVOR MegaPress Jaw.

- **Cleaning:** After each use, clean the jaw surfaces to remove any debris, dirt, or pipe residue. Use a clean cloth and, if necessary, a mild solvent.

- **Lubrication:** Periodically apply a light coat of machine oil to the moving parts and pivot points to ensure smooth operation and prevent rust.
- **Inspection:** Regularly inspect the jaw for any signs of wear, cracks, or damage. Pay close attention to the crimping surfaces. If significant wear or damage is observed, replace the jaw.
- **Storage:** Store the press jaw in its original case or a dry, protected environment to prevent corrosion and damage.

## 8. Troubleshooting

If you encounter issues during operation, refer to the following common troubleshooting tips:

| Problem | Possible Cause | Solution |
|---|---|---|
| Incomplete Crimp | Incorrect jaw size; insufficient press tool power; improper pipe preparation; jaw not fully closed. | Verify jaw size matches pipe; ensure press tool is fully charged/powered and functioning correctly; re-prepare pipe and fitting; ensure jaw closes completely. |
| Jaw Not Attaching to Tool | Debris in tool head; incorrect jaw type for tool; damaged jaw or tool head. | Clean tool head; confirm jaw compatibility; inspect for damage and replace if necessary. |
| Excessive Wear on Jaw | Improper use; lack of lubrication; abrasive materials. | Follow operating instructions carefully; lubricate regularly; ensure pipes are clean. |

If problems persist, contact VEVOR customer support.

## 9. Specifications

Technical specifications for the VEVOR 1/2" MegaPress Jaw:

| Feature | Detail |
|---|---|
| Brand | VEVOR |
| Model Number | 2430 VMP1/2 |
| Manufacturer Part Number | 1/2" MegaPress Jaw 52 HRC |
| Material | Carburized Steel (≥52HRC) |
| Applicable Pipe Type | MegaPress Carbon Steel Pipes |
| Applicable Pipe Size | 1/2-inch |
| Compatible Press Tool Output | 24 KN |
| Item Dimensions (L x W x H) | 5.31 x 4.04 x 1.28 inches (135 x 102.5 x 32.5 mm) |
| Item Weight | 3.2 Pounds (1.45 kg) |
| Included Components | 1 x Press Jaw |
| UPC | 197988361251 |

## 10. Warranty and Support

VEVOR products are designed for durability and performance. For warranty information and technical support, please refer to the following resources:

- **E-Warranty Certificate:** Visit www.vevor.com/support to register your product and access warranty details.
- **Return Policy:** This product is eligible for a 30-day refund/replacement return policy. Please check the retailer's specific return terms at the time of purchase.
- **Protection Plans:** Extended protection plans may be available for purchase. Options include 2-Year and 3-Year Protection Plans, as well as a monthly Complete Protect plan. Refer to your purchase details for more information.
- **Technical Support:** For any technical assistance or inquiries, please visit the VEVOR support website or contact their customer service.

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