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> Milwaukee M12 Force Logic Press Tool 2473-22 User Manual

## Milwaukee 2473-22

# Milwaukee M12 Force Logic Press Tool 2473-22 User Manual

Model: 2473-22 | Brand: Milwaukee

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your Milwaukee M12 Force Logic Press Tool Kit (Model 2473-22). This cordless press tool is designed for efficient and reliable pipe connections, offering ease of use and durability for various plumbing applications.



## 2. SAFETY INFORMATION

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Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using power tools. Read and understand all instructions before operation.

### General Power Tool Safety

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool. Dress properly; avoid loose clothing or jewelry.
- **Tool Use and Care:** Do not force the tool. Use the correct tool for your application. Disconnect the battery pack before making any adjustments, changing accessories, or storing power tools.

### Battery Tool Use and Care

- Recharge only with the charger specified by the manufacturer.
- Use power tools only with specifically designated battery packs.
- When battery pack is not in use, keep it away from other metal objects.

## 3. PRODUCT OVERVIEW AND COMPONENTS

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The Milwaukee M12 Force Logic Press Tool Kit 2473-22 includes the following main components:

- M12 Force Logic Press Tool
- 1/2" - 1" Press Jaws (CTS Jaws)
- M12 REDLITHIUM Battery Pack
- M12 Battery Charger
- Carrying Case



Figure 2: Key features of the M12 Force Logic Press Tool, including its in-line design, easy opening jaw, 180° rotatable head, auto-cycle function, REDLINK Intelligence, and REDLITHIUM battery compatibility.

## 4. SETUP

### 4.1 Charging the Battery

1. Connect the M12 charger to a standard power outlet.
2. Slide the M12 REDLITHIUM battery pack into the charger. The indicator light on the charger will show the charging status.
3. Once fully charged, remove the battery pack from the charger.

### 4.2 Installing and Removing the Battery

- **Installation:** Align the battery pack with the tool's battery port and slide it in until it clicks securely into place.
- **Removal:** Press the battery release button and slide the battery pack out of the tool.

### 4.3 Attaching and Removing Press Jaws

1. Ensure the tool is off and the battery is removed.
2. Open the jaw retention pin on the tool head.
3. Insert the desired press jaws (e.g., 1/2" or 1" CTS jaws) into the tool head, ensuring they are fully seated.
4. Close the jaw retention pin to secure the jaws.
5. To remove, reverse the process.

## 5. OPERATING INSTRUCTIONS

The M12 Force Logic Press Tool is designed for creating secure, watertight connections on various pipe materials.

# TOOL CAPACITY

**1/2" - 1" CTS JAWS INCLUDED  
IN 2473-22**

**Black Iron Pipe**  
1/2" - 3/4"



**Copper Pipe**  
1/2" - 1-1/4"



**ACR Pipe**  
1/4" - 1-3/8"



**Stainless Steel Pipe**  
1/2" - 3/4"



**PEX Pipe**  
3/8" - 1-1/2"



Figure 3: Tool capacity chart indicating compatible pipe materials and sizes for the 2473-22 model, including Black Iron, Copper, ACR, Stainless Steel, and PEX pipes.

## 5.1 Preparing the Pipe and Fitting

- Ensure pipe ends are clean, deburred, and free of any obstructions.
- Verify that the fitting is compatible with the pipe material and size, and that it is designed for press connections.
- Mark the insertion depth on the pipe to ensure proper seating within the fitting.

## 5.2 Performing a Press Connection

1. Insert the pipe fully into the fitting.
2. Open the press jaws and position them squarely over the fitting. The 180° rotatable head allows for optimal positioning in tight spaces.
3. Ensure the jaws are fully closed around the fitting before initiating the press.
4. Activate the tool by pressing the trigger. The tool will automatically cycle through the pressing process (Auto-Cycle feature).
5. The REDLINK Intelligence system monitors the press force, ensuring a complete and secure connection. A green light will indicate a successful cycle.
6. Once the cycle is complete, release the trigger and remove the tool from the fitting.



Figure 4: The M12 Force Logic Press Tool being used to create a connection on a copper pipe within a wall structure.



Figure 5: The M12 Force Logic Press Tool making a connection on plumbing near a water heater, demonstrating its portability and ease of use in confined areas.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your press tool.

### 6.1 Cleaning

- Always remove the battery pack before cleaning.
- Use a soft, damp cloth to wipe down the tool's exterior. Do not use harsh chemicals or abrasive cleaners.
- Keep the jaw area free of debris and pipe shavings.

### 6.2 Jaw Inspection

- Periodically inspect the press jaws for wear, damage, or deformation.
- Ensure the jaw teeth are clean and sharp. Damaged jaws can lead to improper connections.
- Replace worn or damaged jaws immediately with genuine Milwaukee replacement parts.

### 6.3 Battery Care

- Store battery packs in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store battery packs in a discharged state for extended periods.

## 7. TROUBLESHOOTING

Refer to this section for common issues and their potential solutions.

Problem	Possible Cause	Solution
Tool does not power on	Discharged battery; improperly installed battery	Charge battery; ensure battery is fully seated
Incomplete press cycle	Low battery charge; incorrect jaw size; obstruction	Charge battery; verify correct jaw for fitting; clear obstruction
Jaws not opening/closing smoothly	Debris in jaw mechanism; damaged jaws	Clean jaw area; inspect jaws for damage and replace if necessary
Tool overheating	Continuous heavy use	Allow tool to cool down; operate within duty cycle limits

## 8. SPECIFICATIONS

Feature	Detail
Model Number	2473-22
Brand	Milwaukee
Power Source	Cordless
Voltage	12 Volts (M12 REDLITHIUM)

Feature	Detail
Battery Cell Type	Lithium Ion
Battery Capacity	1.5 Amp Hours (typical for included battery)
Item Weight	3.8 pounds
Product Dimensions	13.5 x 20.4 x 4.5 inches
Included Components	Press Tool, 1/2" - 1" CTS Jaws, M12 Battery, M12 Charger, Carrying Case
Special Features	Portable, In-line Design, 180° Rotatable Head, Auto-Cycle, REDLINK Intelligence
Pipe Capacity	1/2" - 1" (CTS Jaws included)

**M12 FORCELOGIC™**  
**PRESS TOOL CAPABILITY MATRIX**

PIPE MATERIAL	FITTING SYSTEM	3/8"	1/2"	5/8"	3/4"	1"	1-1/8"	1-1/2"
Copper	Viega ProPress®		49-16-2450		49-16-2451	49-16-2452	49-16-2453	
	Viega ProPress® G (Gas)		49-16-2450		49-16-2451	49-16-2452	49-16-2453	
	Musler Industries Streamline PRS™		49-16-2450		49-16-2451	49-16-2452	49-16-2453	
	'Apollo' Valves ApolloPress®		49-16-2450		49-16-2451	49-16-2452	49-16-2453	
	Arvil International ArvilPress™ Copper		49-16-2450		49-16-2451	49-16-2452	49-16-2453	
	NIBCO® Press Copper		49-16-2450		49-16-2451	49-16-2452	49-16-2453	
	Wolverine Brass®		49-16-2450		49-16-2451	49-16-2452		
BIP	Viega MegaPress®		49-16-2460B		49-16-2461B			
	Viega MegaPress® G (Gas)		49-16-2460B		49-16-2461B			
Stainless Steel	Viega MegaPress® Stainless 304		49-16-2460B		49-16-2461B			
	Viega MegaPress® Stainless 316		49-16-2460B		49-16-2461B			
	Viega ProPress® for Stainless Steel		49-16-2450		49-16-2451	49-16-2452	49-16-2453	
CuNi	Viega MegaPress® CuNi 90/10		49-16-2460B		49-16-2461B			
PEX	Viega PurePress® PEX Press	RIDGID Compact (17003)	RIDGID Compact (17006)	RIDGID Compact (19813)	RIDGID Compact (17013)	RIDGID Compact (17016)	RIDGID Compact (22663)	RIDGID Compact (22698)
	Standard PEX Fittings ASTM F1907 & F2109 (PEX-AB)		49-16-2481C		49-16-2483C	49-16-2484C	49-16-2486C	49-16-2488C

  

PIPE MATERIAL	FITTING SYSTEM	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"	1-1/8"	1-3/8"
Refrigeration (ACR)	Parker Sportair® RLS Zoomlock (refrigeration)	RIDGID RLS RJ (770213)	RIDGID RLS RJ (770211)	RIDGID RLS RJ (770212)	RIDGID RLS RJ (770213)	RIDGID RLS RJ (770214)	RIDGID RLS RJ (770215)	RIDGID RLS RJ (770216)	RIDGID RLS RJ (770217)	RIDGID RLS RJ (770218)

  

**PRESS TOOL KIT CONFIGURATIONS**

SKU	DESCRIPTION	3/8"	1/2"	5/8"	3/4"	1"	1-1/8"	1-1/2"	2"
2473-20	M12 FORCELOGIC™ Press Tool								
2473-22	M12 FORCELOGIC™ Press Tool Kit w/ Jaws		49-16-2450		49-16-2451	49-16-2452			

Figure 6: Detailed capability matrix for the M12 Force Logic Press Tool, outlining compatible fitting systems and pipe materials across various sizes.

## 9. WARRANTY

The Milwaukee M12 Force Logic Press Tool (Model 2473-22) comes with a **5-year tool warranty** from the date of

purchase. Please refer to the official Milwaukee warranty statement for full terms and conditions, including coverage details and exclusions.

## 10. SUPPORT

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For technical assistance, service, or to order replacement parts, please contact Milwaukee Customer Support or visit the official Milwaukee website. Always use genuine Milwaukee replacement parts and accessories to ensure compatibility and maintain warranty validity.

**Milwaukee Tool Official Website:** [www.milwaukeetool.com](http://www.milwaukeetool.com)