

**NEW**

**Milwaukee®**

**M12 M18**

# **PRESS SOLUTIONS GUIDE**



**REDLITHIUM™**

# WHY PRESS?

Press is a method of joining pipe that uses force to make a connection, eliminating the need to solder, groove, braze, thread or weld. Utilizing only three short steps, connections can be completed up to 50% faster than traditional methods and involve no open flame. Most importantly, press eliminates the need to drain and dry a system, enabling fast, professional repairs and increased productivity on service calls.

## TRADITIONAL METHODS



### OPEN FLAME

- Burn permit required
- Fire watch required

**S W B**



### TEDIOUS PROCESS

- Extensive set-ups & pre-planning
- Multi-step installation process

**S W B T**



### TEST & REPEAT

- Occasional pin hole leaks

**S W B**



### MESSY

- Oily
- Metal shavings & debris
- Slag
- Joining material residue

**S W B T**



### SHUTDOWNS

- Must drain system
- Lengthy shutdowns

**S W B**



### MORE EQUIPMENT

- Multiple systems, several connection methods required
- Numerous consumables
- Corded

**S W B T**



### NITROGEN PURGE REQUIRED

- Required to prevent corrosion

**B**

## PRESS



### FLAMELESS CONNECTIONS

- Safer installations



### UP TO 60% TIME SAVINGS

- Complete press cycles in approximately 4 seconds



### RELIABLE CONNECTIONS

- Green light press verification
- Over one billion fittings installed



### CLEAN

- No metal shavings or debris
- No oily mess
- No separate work stations



### MINIMAL DOWNTIME

- Works on wet systems
- Faster repairs



### LESS TOOLS

- One tool, multiple systems
- Minimized consumables
- Cordless



### NO NITROGEN PURGES

- Eliminates corrosive residue

# WHY FORCELOGIC™?

FORCE LOGIC™ is engineered to not only improve upon, but fundamentally change the way high-force tools are used in the field. Through thoughtful design focused on workflow, each tool simplifies a complicated process to deliver the best user experience of its kind. Whether it's the M18™ FORCE LOGIC™ 2" – 3" ProPEX® Expander that auto-rotates and auto-cycles for the most consistent installs or the M18™ FORCE LOGIC™ Press Tool's in-line design and easy open jaw that lets presses be made anywhere a user can reach, FORCE LOGIC™ always delivers the smartest way to work.



### ACCESS

Lightest, in-line design for unrivaled access



### ALIGN

Easy open jaw for one-handed use



### PRESS

Auto-cycle ensures full press every time





# PRESS APPLICATIONS

## M18 SHORT THROW PRESS TOOL

Page 12



PEX Water Supply

## M12 FORCELOGIC™ PRESS TOOL

Page 10



- PEX Water Supply
- Residential Copper Water Supply
- Water Heater & Gas Appliances
- Residential Gas Supply
- Residential HVAC & Refrigeration
- ...and More

## M18 FORCELOGIC™ PRESS TOOL w/ ONE-KEY™

Page 8



- PEX Water Supply
- Residential Copper Water Supply
- Water Heater & Gas Appliances
- Residential Gas Supply
- Residential HVAC & Refrigeration
- Commercial Copper Water Supply
- Commercial Gas Supply
- Commercial Fire Protection
- Industrial Gases & Fluids
- Chiller Systems & Hydronics
- Variable Refrigerant Flow (VRF)
- ...and More

## M18 FORCELOGIC™ LONG THROW PRESS TOOL

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- PEX Water Supply
- Residential Copper Water Supply
- Water Heater & Gas Appliances
- Residential Gas Supply
- Residential HVAC & Refrigeration
- Commercial Copper Water Supply
- Commercial Gas Supply
- Commercial Fire Protection
- Industrial Gases & Fluids
- Chiller Systems & Hydronics
- Variable Refrigerant Flow (VRF)
- XL Industrial Gases & Fluids
- XL Chiller Systems & Hydronics
- XL Gas Supply
- ...and More

# INCREASED VERSATILITY



# THE SMALLEST, MOST INTELLIGENT PRESS TOOL

M18™ FORCE LOGIC™  
Long Throw Press Tool Kit  
2773-22L



## ADJUST



Adjustable stroke for optimized cycle time

## ACCESS



Lightest, in-line design for unrivaled access

## PRESS



Longest calibration interval, 50,000 cycles

## SPECIFICATIONS

DESCRIPTION	SPECIFICATIONS
Force	7,200 lbs
Pipe Capacity	1/4" – 4" (Varies by Material)
Approx. Cycle Time	4 Second Stroke (8 Second Extended Stroke)
Calibration Interval	50,000 Cycles
Length (without battery & jaw)	18.3"
Weight (without battery & jaw)	7.3 lbs

## KITS

**M18™ FORCE LOGIC™ Long Throw Press Tool Kit w/ 1/2" - 1" SS Jaws**  
2773-22L

**Includes:** 2773-20L Long Throw Press Tool, (2) M18™ REDLITHIUM™ XC3.0 Battery Packs, 1/2", 3/4", 1" IPS-IA Jaws, Multi-Voltage Charger and Carrying Case.



**M18™ FORCE LOGIC™ Long Throw Press Tool Kit**  
2773-20L

**Includes:** 2773-20L Long Throw Press Tool, (2) M18™ REDLITHIUM™ XC3.0 Battery Packs, Multi-Voltage Charger and Carrying Case.

Jaws Not Included.



## CTS



## IPS



## REQUIRES RING JAWS



## PEX



## ACR



## COMPATIBILITY

FITTING MFR	Viega®				Apollo Valves / Elkhart					
FITTING SYSTEM	ProPress® up to 4"	ProPress® G up to 2"	MegaPress® up to 4"	MegaPress® G up to 4"	PureFlow® PEX Press up to 2"	ApolloPress® up to 4"	PowerPress up to 2"			
FITTING MFR	Mueller Industries			NIBCO®	Anvil®	Wolverine Brass®	Standard PEX Fittings	RLS®		
FITTING SYSTEM	Streamline PRS™ up to 4"	Streamline® STL & STL-G up to 2"	Streamline® ACR up to 1-1/8"	Copper Fittings up to 2"	BenchPress™ up to 2"	AnvilPress™ up to 2"	AnvilPress™ Stainless Steel up to 2"	Up to 2"	ASTM F1807 & F2159 PEX Crimp up to 2"	Up to 1-3/8"

## MATERIAL ICON KEY



For most up to date fitting compatibility information, visit milwaukeekeetool.com

# THE SMALLEST, MOST INTELLIGENT PRESS TOOL

M18™ FORCE LOGIC™  
Press Tool Kit w/ ONE-KEY™  
2922-22



### ACCESS



Lightest, in-line design for unrivaled access

### ALIGN



Easy open jaw for one-handed use

### PRESS



Auto-cycle ensures full press every time

### REPORT

Sync Wirelessly | Report Performance | Build Professional Reports

See page 14 for more ONE-KEY™ information



## SPECIFICATIONS

DESCRIPTION	SPECIFICATIONS
Force	7,200 lbs
Pipe Capacity	1/4" to 4" Dependent on Fitting System
Approx. Cycle Time	4 Seconds
Calibration Interval	50,000 Cycles
Length (without battery & jaw)	14.1"
Weight (without battery & jaw)	5.3 lbs

## KITS

**M18™ FORCE LOGIC™ Press Tool Kit w/ ONE-KEY™ with 1/2" - 2" CTS Jaws**  
2922-22



**Includes:** 2922-20 Press Tool w/ ONE-KEY™, (2) M18™ REDLITHIUM™ CP2.0 Battery Packs, 1/2", 3/4", 1", 1-1/4", 1-1/2", 2" CTS Jaws, Multi-Voltage Charger and Carrying Case.

**M18™ FORCE LOGIC™ Press Tool Kit w/ ONE-KEY™**  
2922-22M



**Includes:** 2922-20 Press Tool w/ ONE-KEY™, (2) M18™ REDLITHIUM™ CP2.0 Battery Packs, 1/4", 3/8", 1/2", 5/8", 7/8" Streamline® ACR Jaws, Multi-Voltage Charger and Carrying Case.

Also available:

M18™ FORCE LOGIC™ Press Tool Kit w/ ONE-KEY™ (2922-20)  
Jaws Not Included.



## CTS



## IPS



REQUIRES RING JAWS



## PEX



## ACR



## COMPATIBILITY

FITTING MFR	Viega®					Apollo Valves / Elkhart				
FITTING SYSTEM	ProPress® up to 4"	ProPress® G up to 2"	MegaPress® up to 4"	MegaPress® G up to 4"	PureFlow® PEX Press up to 2"	ApolloPress® up to 4"	PowerPress up to 2"			
FITTING MFR	Mueller Industries		NIBCO®		Anvil®		Wolverine Brass®	Standard PEX Fittings	RLS®	
FITTING SYSTEM	Streamline PRS™ up to 4"	Streamline® STL & STL-G up to 2"	Streamline® ACR up to 1-1/8"	Copper Fittings up to 2"	BenchPress™ up to 2"	AnvilPress™ up to 2"	AnvilPress™ Stainless Steel up to 2"	Up to 2"	ASTM F1807 & F2159 PEX Crimp up to 2"	Up to 1-3/8"

## MATERIAL ICON KEY



For most up to date fitting compatibility information, visit milwaukeekeetool.com

# THE SMALLEST, MOST INTELLIGENT PRESS TOOL

M12™ FORCE LOGIC™  
Press Tool Kit  
2473-22



## ACCESS



Lightest, in-line design for unrivaled access

## ALIGN



Easy open jaw for one-handed use

## PRESS



Auto-cycle ensures full press every time

## SPECIFICATIONS

DESCRIPTION	SPECIFICATIONS
<b>Force</b>	5,400 lbs
<b>Pipe Capacity</b>	1/2" – 1-1/2" (Varies by Material)
<b>Approx. Cycle Time</b>	5 Seconds
<b>Calibration Interval</b>	32,000 Cycles
<b>Length</b> (without battery & jaw)	12.6"
<b>Weight</b> (without battery & jaw)	3.8 lbs

## KITS

**M12™ FORCE LOGIC™ Press Tool Kit w/ 1/2" - 1" CTS Jaws**  
2473-22

**Includes:** 2473-20 Press Tool, (2) M12™ REDLITHIUM™ CP1.5 Battery Packs, 49-16-2450 1/2" CTS Jaw, 49-16-2451 3/4" CTS Jaw, 49-16-2452 1" CTS Jaw, Charger and Carrying Case.



**M12™ FORCE LOGIC™ Press Tool Kit**  
2473-20

**Includes:** 2473-20 Press Tool, (2) M12™ REDLITHIUM™ CP1.5 Battery Packs, Charger and Carrying Case. Jaws Not Included.



## CTS



1/2" CTS-V  
49-16-2450

3/4" CTS-V  
49-16-2451

1" CTS-V  
49-16-2452

1-1/4" CTS-V  
49-16-2453

## IPS



1/2" IPS-P  
49-16-2450B

3/4" IPS-P  
49-16-2451B

## PEX



1/2" 49-16-2451C

3/4" 49-16-2453C

1" 49-16-2454C

1-1/4" 49-16-2455C

1-1/2" 49-16-2456C

## COMPATIBILITY

FITTING MFR	Viega®				Apollo Valves / Elkhart		Mueller Industries		
<b>FITTING SYSTEM</b>	ProPress® up to 1-1/4"	ProPress® G up to 1-1/4"	MegaPress® up to 3/4"	MegaPress® G up to 3/4"	PureFlow® PEX Press up to 1-1/2"	ApolloPress® up to 1-1/4"	PowerPress up to 3/4"	Streamline PRS™ up to 1-1/4"	Streamline® STL & STL-G up to 1-1/4"
FITTING MFR	NIBCO®		Anvil®	Wolverine Brass®	Standard PEX Fittings	ZoomLock™	RLS®		
<b>FITTING SYSTEM</b>	Copper Fittings up to 1-1/4"		BenchPress™ up to 3/4"	AnvilPress™ up to 1-1/4"	Up to 1-1/4"	Up to 1-3/8"	Up to 1-3/8"		

For most up to date fitting compatibility information, visit [milwaukeetool.com](http://milwaukeetool.com)



## MATERIAL ICON KEY



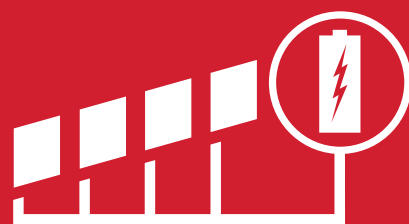
# BRANCH TO FIXTURE: FASTEST, EFFORTLESS INSTALLS

M18™ Short Throw Press Tool Kit  
w/ Viega® PureFlow® Jaws  
2674-22P

M18™ Short Throw Press Tool Kit  
w/ PEX Crimp Jaws  
2674-22C



**SPEED**



**RUN-TIME**



**EASY SIZE CHANGES**

## SPECIFICATIONS

DESCRIPTION	2674-22P	2674-22C
Capacity	Up to 1"	Up to 1"
Cycle Time	3 Seconds	3 Seconds
Length / Weight	13.5" / 4.8 lbs	13.5" / 4.8 lbs
Available Jaw Sizes	3/8", 1/2", 5/8", 3/4", 1"	3/8", 1/2", 5/8", 3/4", 1"
ASTM Standard	-	F1807 & F2159

## KITS

**M18™ Short Throw Press Tool Kit w/ Viega® PureFlow® Jaws**  
2674-22P



**Includes:** 2674-20P Short Throw Press Tool, (2) M18™ REDLITHIUM™ CP2.0 Battery Packs, 49-16-2631P 1/2" Viega® PureFlow® Jaw, 49-16-2633P 3/4" Viega® PureFlow® Jaw, 49-16-2634P 1" Viega® PureFlow® Jaw, Multi-Voltage Charger and Carrying Case.

**M18™ Short Throw Press Tool w/ Viega® PureFlow® Jaws**  
2674-20P



**Includes:** 2674-20P Short Throw Press Tool, 49-16-2631P 1/2" Viega® PureFlow® Jaw, 49-16-2633P 3/4" Viega® PureFlow® Jaw, 49-16-2634P 1" Viega® PureFlow® Jaw and Carrying Case.

Battery and Charger Not Included.

**M18™ Short Throw Press Tool Kit w/ PEX Crimp Jaws**  
2674-22C



**Includes:** 2674-20C Short Throw Press Tool, (2) M18™ REDLITHIUM™ CP2.0 Battery Packs, 49-16-2631C 1/2" PEX Crimp Jaw, 49-16-2633C 3/4" PEX Crimp Jaw, 49-16-2634C 1" PEX Crimp Jaw, Multi-Voltage Charger and Carrying Case.

**M18™ Short Throw Press Tool w/ PEX Crimp Jaws**  
2674-20C



**Includes:** 2674-20C Short Throw Press Tool, 49-16-2631C 1/2" PEX Crimp Jaw, 49-16-2633C 3/4" PEX Crimp Jaw, 49-16-2634C 1" PEX Crimp Jaw and Carrying Case.

Battery and Charger Not Included.



## PEX

F1807 & F2159



Viega® PureFlow® PEX Press



## COMPATIBILITY

FITTING MFR	Viega®	All Manufacturers
FITTING SYSTEM	PureFlow® PEX Press 3/8" - 1"	ASTM F1807 & F2159 3/8" - 1"

For most up to date fitting compatibility information, visit [milwaukeeool.com](http://milwaukeeool.com)



### IN-LINE DESIGN

- Delivers unrivaled access to tight spaces
- Optimized for one-handed use

### REDLINK™ INTELLIGENCE

- Auto-cycle ensures full pressure every time
- Automatically ensures enough charge to complete each press

### EASY OPEN JAW

Designed for opening using just one thumb, providing true one-handed use

### REDLITHIUM™ BATTERIES

Up to 400 1" connections per change on an M18™ REDLITHIUM™ CP2.0 Battery Pack



## MATERIAL ICON KEY



# ONE KEY™

UNLOCKING THE DIGITAL JOBSITE.™

**REPORT. TRACK. MANAGE.**



**CUT, FASTEN, CONNECT,  
ON ONE SYSTEM**



**SMART  
TOOL**

**SYNC  
WIRELESSLY**

**ONLINE + MOBILE  
RECORD KEEPING**

## TOOL REPORTING

**1**

**PRESS**

**2**

**MONITOR**

**3**

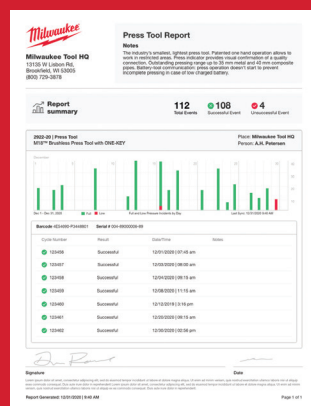
**REPORT**



**AUTO-CYCLE ENSURES FULL  
PRESS EVERY TIME WITH A  
GREEN LIGHT VERIFICATION**



**WIRELESS VERIFICATION  
OF SUCCESSFUL PRESSES  
ON A MOBILE DEVICE**



**CREATE CUSTOMIZABLE  
REPORTS AND SHARE WITH  
PROJECT STAKEHOLDERS**

### M12



**M12™ Plastic  
Pipe Shear Kit**  
2470-21



**M12™ Copper  
Tubing Cutter Kit**  
2471-21



**M12 FUEL™  
1/4" Hex Impact  
Driver Kit**  
2553-22



**M12™ FORCE LOGIC™  
Press Tool Kit  
w/ 1/2" - 1" CTS Jaws**  
2473-22

### M18



**HACKZALL® M18™  
One-Handed  
Reciprocating  
Saw Kit**  
2625-21



**M18 FUEL™  
Deep Cut  
Band Saw Kit**  
2729-22



**M18 FUEL™  
1/4" Hex Impact  
Driver Kit**  
2853-22



**M18™ FORCE LOGIC™  
Press Tool Kit  
w/ ONE-KEY™ with  
1/2" - 2" CTS Jaws**  
2922-22

VISIT [ONEKEY.MILWAUKEETOOL.COM](http://ONEKEY.MILWAUKEETOOL.COM) FOR MORE INFORMATION

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**OVER 300+ SOLUTIONS  
ONE CHARGER**





**M12**

**PORTABLE PRODUCTIVITY  
TRADE FOCUSED  
SYSTEM WIDE**



**M18**

**PERFORMANCE DRIVEN  
TRADE FOCUSED  
SYSTEM WIDE**



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