

**NEW**

*Milwaukee*<sup>®</sup>

**M12** **M18**

# **PRESS SOLUTIONS GUIDE**



**REDLITHIUM**<sup>™</sup>

# 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
- Coded

**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

**S** SWEAT & SOLDER

**W** WELDING

**B** BRAZING

**T** THREADING

# 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

## 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

## SHORT THROW PRESS TOOL

Page 12



PEX Water Supply

# INCREASED

# M18 FORCELOGIC™ LONG THROW PRESS TOOL

Page 6



# 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

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

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



**PEX**



**REQUIRES RING JAWS**

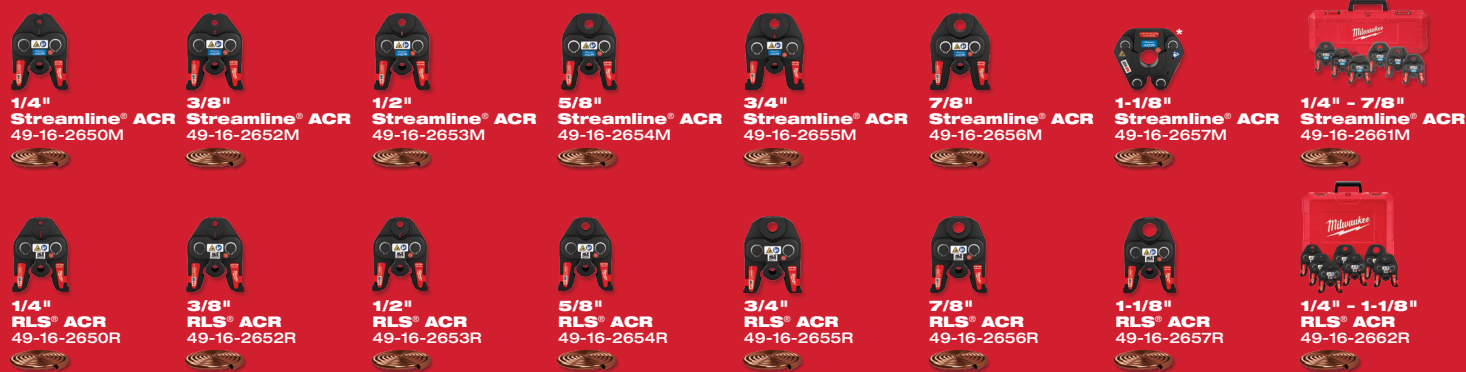


\* r1 Ring Jaw  
49-16-2659



† r2 Ring Jaw  
49-16-2659S

**ACR**



**COMPATIBILITY**

<b>FITTING MFR</b>	Viega®					Apollo Valves / Elkhart				
<b>FITTING SYSTEM</b>	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"			
<b>FITTING MFR</b>	Mueller Industries			NIBCO®	Anvil®	Isotubi USA	Wolverine Brass®	Standard PEX Fittings	RLS®	
<b>FITTING SYSTEM</b>	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"	Isotubi Stainless Steel up to 1-1/4"	Up to 2"	ASTM F1807 & F2159 PEX Crimp up to 2"	Up to 1-1/8"

**MATERIAL ICON KEY**



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



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**

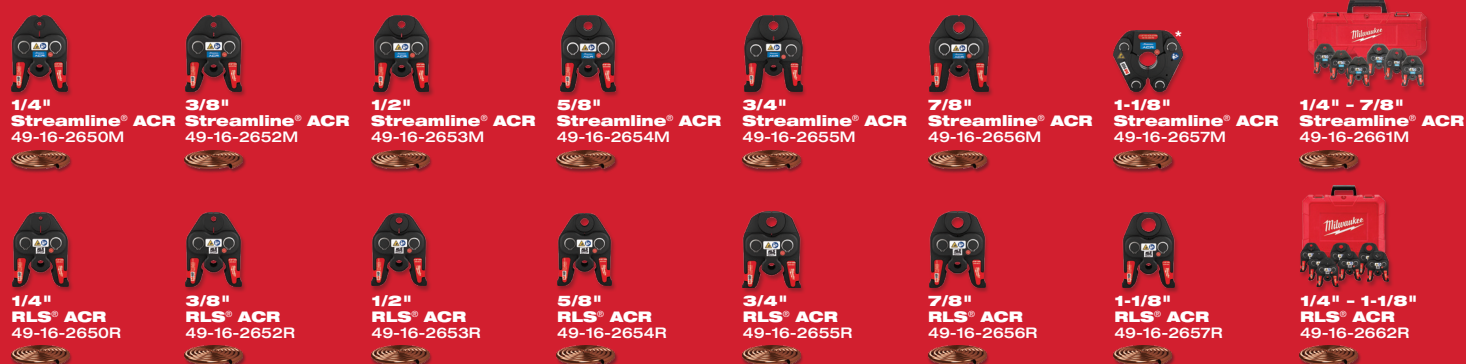


\* r1 Ring Jaw  
49-16-2659

## PEX



## ACR



## COMPATIBILITY

<b>FITTING MFR</b>	Viega®					Apollo Valves / Elkhart				
<b>FITTING SYSTEM</b>	ProPress® up to 4"	ProPress® G up to 2"	MegaPress® up to 2"	MegaPress® G up to 2"	PureFlow® PEX Press up to 2"	ApolloPress® up to 4"	PowerPress up to 2"			
<b>FITTING MFR</b>	Mueller Industries			NIBCO®		Anvil®	Isotubi USA	Wolverine Brass®	Standard PEX Fittings	RLS®
<b>FITTING SYSTEM</b>	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"	Isotubi Stainless Steel up to 1-1/4"	Up to 2"	ASTM F1807 & F2159 PEX Crimp up to 2"	Up to 1-1/8"

### MATERIAL ICON KEY



For most up to date fitting compatibility information, visit [milwaukeetool.com](http://milwaukeetool.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
Force	5,400 lbs
Pipe Capacity	1/2" – 1-1/2" (Varies by Material)
Approx. Cycle Time	5 Seconds
Calibration Interval	32,000 Cycles
Length (without battery & jaw)	12.6"
Weight (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



## IPS



## PEX



## COMPATIBILITY

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

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



### MATERIAL ICON KEY





# BRANCH TO FIXTURE: FASTEST, EFFORTLESS INSTALLS

M18™ Short Throw Press Tool Kit  
w/ Viega® PureFlow® Jaws

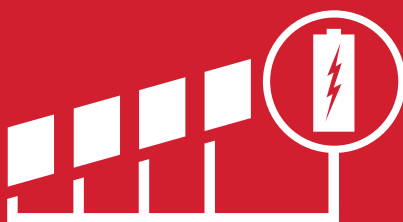
2674-22P

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

<b>FITTING MFR</b>	Viega®	All Manufacturers
<b>FITTING SYSTEM</b>	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 charge on an M18™ REDLITHIUM™ CP2.0 Battery Pack



### MATERIAL ICON KEY



# ONEKEY™

UNLOCKING THE DIGITAL JOBSITE.™

**REPORT. TRACK. MANAGE.**



**SMART  
TOOL**



**SYNC  
WIRELESSLY**



**ONLINE + MOBILE  
RECORD KEEPING**

## TOOL REPORTING

**1**

**PRESS**

**2**

**MONITOR**

**3**

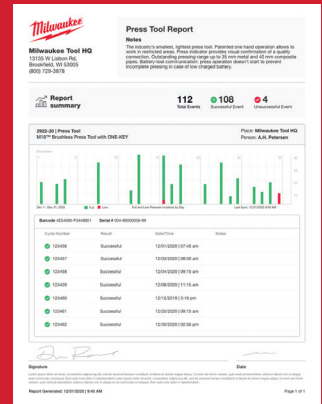
**REPORT**



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



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



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

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

Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. Google Play and the Google Play logo are trademarks of Google Inc.

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Milwaukee Tool is under license. Other trademarks and trade names are those of their respective owners.

**DOWNLOAD THE  
FREE APP NOW!**





# CUT, FASTEN, CONNECT, ON ONE SYSTEM

## 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



**M18 FUEL™ HACKZALL® One-Handed Reciprocating Saw Kit**  
2719-21



**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



OVER 300+ SOLUTIONS  
ONE CHARGER



**PORTABLE PRODUCTIVITY  
TRADE FOCUSED  
SYSTEM WIDE**



**PERFORMANCE DRIVEN  
TRADE FOCUSED  
SYSTEM WIDE**

**LEARN  
MORE**



or visit  
<https://qr.mke.tl/2skqx>