

LEAP

COPPERLINK



COPPER PRESS FITTING SYSTEM

LEAP COPPERLINK

HIGH INTEGRITY, HIGH PERFORMANCE COPPER PRESS SYSTEM

COPPERLINK PRESS from LEAP is a copper piping press system engineered to offer installers the benefits of flameless mechanical press joining technology to make a superior and robust pipe joint. COPPERLINK PRESS fittings are manufactured using state-of-the-art manufacturing technologies to provide superior reliability, durability, and safety.

All fittings are manufactured using the latest extrusion, molding and machining techniques to ensure a perfect connection every time, providing you with a copper press system warranted for 25 years.

COPPERLINK FEATURES

O-ring Press System	Wide range of fittings for water and gas
25 Year Warranty	Complies for use with NZS 3501 copper tube
Flame Free Installation	Quality appraised
HNBR & EPDM O-ring for water and gas	Power tools for easy and quick installation

COPPER FITTING SYSTEMS



COPPER PRESS FITTINGS
FOR BOTH WATER & GAS



BRASS TERMINAL PRESS FITTINGS
FOR BOTH WATER & GAS



TRANSITIONAL PRESS FITTINGS
FOR BOTH WATER & GAS

TYPES OF O-RINGS



EPDM O-RING
FOR WATER ONLY

SUITABLE FOR

- Hot water and steam (limited to 100°C)
- Where ozone, aging and weather resistance applications are applicable
- Chlorinated water systems

NOT SUITABLE FOR

- Natural gas
- Oils
- Greases
- Fuels



HNBR O-RING
FOR WATER & GAS

SUITABLE FOR

- Natural gas
- Petroleum oils and fuels
- R134a refrigerant gas
- Silicone oils and greases
- Ozone applications, improved compression set characteristics
- Vegetable and animal fats
- Fluids
- Water and steam (up to 150° C on short burst)

NOT SUITABLE FOR

- Highly chlorinated water systems
- Chlorinated hydrocarbons
- Ketones, esters and ethers
- Strong acids

IMPORTANT NOTES:

1. It is the responsibility of the installer to ensure that the right O-ring is used for the application.
2. DN15 and DN20 COPPERLINK fittings (excl. terminal and brass fittings) are supplied with EPDM O-rings as standard. DN25 COPPERLINK fittings (incl. terminal and brass fittings) are supplied with HNBR O-rings as standard. EPDM and HNBR O-rings are available on request for all sizes.

LEAP COPPERLINK

COPPERLINK PRESS FITTING SELECTOR TO NZS 3501



Straight Connector

15	CLPRS SC15
20	CLPRS SC20
25	CLPRS SC25



Spigot Reducer

20 x 15	CLPRS SPR2015
25 x 15	CLPRS SPR2515
25 x 20	CLPRS SPR2520



Elbow 90°

15	CLPRS EB15
20	CLPRS EB20
25	CLPRS EB25



Press End Stop

15	CLPRS ES15
20	CLPRS ES20
25	CLPRS ES25



Equal Tee

15	CLPRS ET15
20	CLPRS ET20
25	CLPRS ET25



Female Wingback Elbow

15 x 1/2"	CLPRS FWE15.15
20 x 3/4"	CLPRS FWE20.20



Branch / End Reducing Tee

20 x 15 x 15	CLPRS RT201515
--------------	----------------



Female Adaptor

15 x 1/2"	CLPRS FA15.15
20 x 3/4"	CLPRS FA20.20
25 x 1"	CLPRS FA25.25



Branch Reducing Tee

20 x 20 x 15	CLPRS RT202015
--------------	----------------



Male Adaptor

15 x 1/2"	CLPRS MA15.15
20 x 3/4"	CLPRS MA20.20
25 x 1"	CLPRS MA25.25



End Reducing Tee

20 x 15 x 20	CLPRS RT201520
--------------	----------------



NZ Copper - PEX Adaptor

NZCU 15 - PEX DN16	CLPRS CUPX15.16
NZCU 20 - PEX DN20	CLPRS CUPX20.20
NZCU 25 - PEX DN25	CLPRS CUPX25.25

LEAP COPPERLINK

COPPERLINK PRESS TOOL & O-RING SELECTOR



Mini Battery Press Tool

U16-U32 + BAT + CHG MBPT16-32



EPDM O-Ring

15	EPDM-15
20	EPDM-20
25	EPDM-25



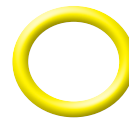
Spare Press Jaws

MBPT16-32 NZCU 1/2"	JAW VNZ15
MBPT16-32 NZCU 3/4"	JAW VNZ20
MBPT16-32 NZCU 1"	JAW VNZ25



REMS VI Profile Jaws

REMS NZCU 1/2"	REMS VI15
REMS NZCU 3/4"	REMS VI20
REMS NZCU 1"	REMS VI25



HNBR O-Ring

15	HNBR-15
20	HNBR-20
25	HNBR-25

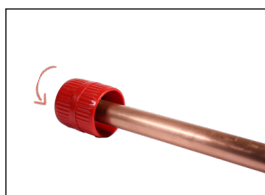
PIPE CONNECTIONS

PRESS FITTING INSTALLATION

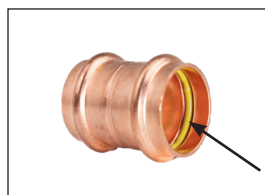
The following is a step-by-step guide to installing the CopperLink Press system. For piping systems that require maintenance or repair, it is important to visually inspect the copper tube to ensure it is in reasonable condition with no signs of external corrosion or damage.



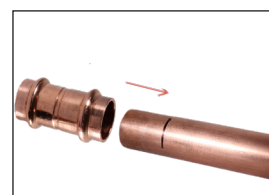
1. Cut copper tube using an appropriate pipe cutter. Ensure the pipe ends are clean, cut square, and the pipe is not deformed. High speed grinding wheels are not suitable.



2. Carefully deburr the inside and outside of the tube to avoid damage to the O-ring. If using an existing copper tube, first deburr the end of the pipe and carefully clean the end with emery paper or a soft scourer.



3. Before inserting the pipe, check the O-ring is seated, lubricated and free from damage.



4. Mark the insertion depth for the fitting by aligning the fitting with the tube. Fully insert the fitting into the tube until the edge of the fitting aligns with the mark on the tube.



5. Select appropriate press jaw to match the size of the fitting to be pressed.



6. Open the press jaw and locate it around the fitting. Ensure the raised bump on the fitting rests inside the groove of the press jaw.



7. Start the press operation by pressing the start button. The pressing operation will automatically stop when compression of fitting onto pipe is complete.



8. Visually inspect the fitting to ensure the press has been properly completed. If a joint is incomplete, a new fitting and tube section will be required.



PRESSURE TEST

9. Pressure test the joint, applying a water pressure of between 250-1500 kPa to identify any unpressed fittings. Pressure test for Gas installations as per requirements of AS/NZS 5601.1:2022 E.4 (f).

WARRANTY



COPPERLINK press fittings, installed by a licensed plumber in accordance with the current published installation guidelines, are warranted against material or manufacturing defects for a period of 25 years.

CopperLink Plumbing System is manufactured under stringent quality with a design life of 50 years and for use in New Zealand subject to the installation requirements outlined in the National Plumbing and Drainage Code, AS3500 parts 1 & 4 and Gas Installation Code AS/NZS 5601 along with any local water and gas authority requirements.

CONDITIONS

- CopperLink fittings must only be used with Copper Tube complying to New Zealand Standard NZS3501:1976.
- CopperLink fittings must only be pressed using CopperLink Press jaws or Leap approved jaws.
- CopperLink fittings are not subject to external physical or chemical damage.
- CopperLink fittings are used only in non-aggressive potable water systems (with pH between 7 and 8) and not installed in systems with aggressive water such as, but not limited to, bore water, tank water, highly sedimented water as well as non-potable water systems.
- Installers to ensure that the right O-ring is used for the application.

OTHER SYSTEMS



HOT AND COLD PLUMBING SYSTEM

WATERTITE is a high integrity and high performance piping system designed to offer installers the benefits of a high temperature and a flexible non-metallic pipe. WATERTITE pipe is manufactured using crosslinking technology first developed in Europe and performs in ways that provide superior reliability, durability and safety.



GAS PIPING SYSTEM

GASTITE is a composite piping system designed to offer installers the benefits of both metal and plastic. GASTITE pipe is a multi-layer PEX piping system. GASTITE fittings are manufactured from DR brass. All pipes and fittings are manufactured using the latest extrusion, moulding and machining techniques to ensure a perfect connection every time.



FLEXIBLE POLYBUTYLENE SYSTEM

WATERLINK is a flexible polybutylene plumbing system for hot and cold water. WATERLINK flexible polybutylene pipe enables fewer connections and minimised installation and alteration costs. WATERLINK crimp fittings are manufactured from DR brass with copper alloy crimp rings attached.



HOME FIRE SPRINKLER SYSTEM

BLAZESTOP is an affordable sprinkler system linked to a domestic water supply, putting the reassurance of sprinkler protection within reach of private homeowners. Designed for the home environment, BLAZESTOP uses sprinkler heads concealed in the ceiling. Flexible, concealed piping makes retrofitting into homes easy and cost-effective. Designed using durable polybutylene or multilayer pex-al-pex pipe, it isn't affected by scaling, corrosion, or microbiological growth and doesn't transmit noise.



WASTEWATER SYSTEM

HepvO is a unique self-sealing waterless waste valve that prevents the escape of foul sewer air from waste discharge systems, and actively maintains the pressure equilibrium in soil and waste installations.

The self-sealing valve opens under the water pressure of an appliance emptying and closes to form a tight seal after the appliance has discharged under normal atmospheric conditions.

FOR MORE INFORMATION ABOUT COPPERLINK CALL

0800 246 810

Leap Australasia Ltd
61 Port Road
PO Box 38-159
Lower Hutt 5045
New Zealand

t: + 64 4 568 9424
f: + 64 4 568 9423
www.leapltd.co.nz

