



LIGHTNING
BUILDING PRODUCTS



INSTALLATION GUIDE

LIGHTNING COPPER PRESS SYSTEM



LIGHTNING COPPER PRESS SYSTEM

A Smarter, Safer, Lead-Free Solution for Copper Tube Installations

The **Lightning Copper Press system** offers a reliable, lead-free press solution for copper tube installations across both **Water** and **Gas** applications. Say goodbye to brazing, soldering, and flaring—this innovative system allows for fast, clean, and secure connections using a pressing tool, delivering consistent results every time.

Designed with user efficiency and safety in mind, the system features a **dual indicator mechanism** to help reduce installation errors. Its unique **Leak Path Design O-ring** ensures that any unpressed joints are easily identified during pressure testing, providing peace of mind and added safety.

Covering a comprehensive size range from **DN15 to DN50**, and supported by an extensive selection of fittings, the Lightning Copper Press system delivers noticeable cost savings from your very first project.

Manufactured from **high-quality copper** and **DZR lead-free brass CW511L**, each fitting is factory-fitted with a sealing element tailored to its application:

- **Yellow HNBR** for gas
- **Black EPDM** for water
- **Red FKM** for solar hot water installation

All installations must be performed by a **licensed tradesperson** in accordance with Lightning Copper Press installation guidelines, relevant **Australian Standards**, and any applicable **local authority requirements**.

When installed correctly, the Lightning Copper Press system ensures **years of trouble-free service**, making it the complete solution for all your water and gas installation needs.

APPLICATION

A faster, safer alternative for joining copper tube

Traditional methods for joining copper tube have previously involved heating or flaring of the tube which can be both dangerous and time consuming.

The Lightning Copper Press system uses a pressing tool to produce a secure joint in a minimal amount of time. The pressing method guarantees a perfect seal every time and eliminates the need for call backs to repair partially welded joints, etc.

Lightning Copper Press Gas fittings may be used in accordance with AS/NZS 5601 for gas applications including:

- Natural Gas, and
- Liquid Propane Gas (L.P.G).

Lightning Copper Press Water fittings may be used in accordance with AS/NZS 3500 for water applications including:

- Hot and Cold Potable Water,
- Grey Water, and
- Waste and Drainage Systems.



COPPER TUBE

Lightning Copper Press Gas fittings are suitable for use on all copper tube provided it complies with AS 1432 (being either Type A or B) and must be installed in accordance with AS/NZS 5601 for pressure applications not exceeding 200kPa

Lightning Copper Press Water fittings are suitable for use on all copper tube which complies with AS 1432 (being either Type A or B) and must be installed in accordance with AS/NZS 3500.

GAS FITTINGS

Lightning Copper Press Gas fittings are crafted from premium copper and/or DZR lead-free CW511L brass and come equipped with a factory-installed, high-performance yellow Hydrogenated Nitrile Butadiene Rubber (HNBR) sealing element.

HNBR is renowned for its excellent physical strength and durability, maintaining its properties even after prolonged exposure to heat, oil, and chemicals. However, it is not suitable for food contact or drinking water applications.

In compliance with AS/NZS 5601, these fittings are rated for temperatures ranging from -40°C to +70°C. Each fitting is clearly marked with a yellow "GAS" stamp and features a yellow external indicator ring for easy identification. They are manufactured to meet AS 3688 standards and have been tested in accordance with AS 3688 and BS 8537. Installation must follow AS/NZS 5601 guidelines. License Number: SMK41743.

WATER FITTINGS

Lightning Copper Press Water fittings are made from high-quality copper DZR lead-free CW511L brass and include a factory-fitted black Ethylene Propylene Diene Monomer (EPDM) sealing element.

EPDM is a robust and flexible synthetic rubber known for its resistance to aging, ozone, sunlight, weathering, and hot water. It is ideal for a wide range of sealing applications and is suitable for drinking water use.

Each fitting is lasered "water" "These fittings comply with AS 3688 and are certified under Watermark licence number WMK27087.

They are rated for temperatures between -10°C and +120°C for short periods of time only, not continuous operation. Installations should adhere to AS/NZS 3500 standards. This is not to be used in solar application.





LEAK PATH DESIGN

Lightning Copper Press fittings feature an engineered **leak path design** integrated into the sealing ring. This design ensures that **unpressed fittings will visibly leak water**, providing a clear indication that the pressing operation is incomplete.

To activate this leak detection, feature effectively, it is recommended to conduct pressure testing to Australian Standards and at **200 kPa** leak detection will be visible. This allows the system to reliably identify any unpressed connections prior to commissioning.

FEATURES & BENEFITS

Press Jointing Method

- Fast installation process saves time on-site.
- Secure connections ensure long-term reliability.
- Simple to use, reducing training requirements.
- Minimises operator error through consistent pressing technique.
- Press warning indicator highlights any unpressed fittings for added safety.

Flame-Free Assembly

- Enhanced safety with no open flames or hot work.
- No gas cylinders or Hot Work permits required.
- Lower costs by eliminating welding consumables and associated equipment.

Versatile Size Range (DN15 – DN50)

- Wide range of sizes available to suit most residential, commercial, and industrial applications.

Full Flow Design

- Maintains full bore size of the tube in most cases, ensuring optimal flow performance.

Dedicated Tooling

- Requires specialised pressing tools, helping to limit use to qualified tradespeople and maintain installation integrity.

INSTALLATION CONSIDERATIONS

Standards Compliance

- **Gas installations** must comply with **AS/NZS 5601**.
- **Water installations** must comply with **AS/NZS 3500**.
- All work must be performed by **appropriately licensed tradespeople**, following the **Lightning Copper Press Installation Guidelines**, relevant Australian Standards, and any **local authority requirements**.

Copper Tube Preparation

- Use a **wheel-type tube cutter** for clean, precise cuts.
- **Deburr both the internal and external edges** of the tube to prevent damage to the sealing ring and ensure a proper seal.

Working Pressure

- **Gas fittings** are suitable for applications under **AS/NZS 5601**, with a **maximum consumer piping pressure of 200 kPa**.
- All Lightning Copper Press **Water and Gas fittings** have been tested to a **maximum operating pressure of 1600 kPa**.

Sealing Element Protection

The integrity of the joint relies on the condition of the sealing element. To protect it:

- Ensure the **seal ring is correctly seated** in the fitting.
- Make sure the **ring is clean and properly lubricated**.
- Avoid contamination from **foreign materials**.
- Ensure the **copper tube surface is smooth** and free from markings where the fitting will be installed.

Connection to Other Materials

Lightning Copper Press fittings are compatible with most existing pipework systems through the use of **Lightning Copper Press threaded adaptors**. When installing a threaded adaptor:

- Always complete the **threaded connection first**, before performing the pressing operation.
- Use the **spanner flats** provided on the fitting to tighten—**do not grip the tube section**, as this may damage the fitting or compromise the seal.

MINIMUM CLEARANCE REQUIREMENTS

When installing two Lightning Copper Press fittings in close proximity, it is essential to maintain a **minimum clearance** between them. This ensures the copper tube remains free from deformation during the pressing process.

Nominal Size (DN)	Minimum Clearance (mm)
DN15	12 mm
DN20	12 mm
DN25	12 mm
DN32	15 mm
DN40	20 mm
DN50	25 mm

CLEARANCE FROM EXISTING BRAZED FITTINGS

When installing a Lightning Copper Press fitting near an existing **brazed joint**, it is important to maintain adequate clearance. This prevents the press fitting from being installed over copper tube that may have been **over-annealed** during the brazing process, which could compromise joint integrity.

Nominal Size (DN)	Minimum Clearance (mm)
DN15	13 mm
DN20	13 mm
DN25	13 mm
DN32	15 mm
DN40	20 mm
DN50	25 mm

BRAZING NEAR LIGHTNING COPPER PRESS FITTINGS

Brazing in close proximity to Lightning Copper Press fittings should be avoided, as the high temperatures involved can damage the sealing elements within the fittings. To prevent heat-related damage:

- Maintain the **minimum clearances** listed below.
- Use **heat suppression methods** (e.g. heat blankets, wet rags, or heat shields) to protect nearby press

Nominal Size (DN)	Minimum Clearance (mm)
DN15	1000 mm
DN20	1000 mm
DN25	1000 mm
DN32	1000 mm
DN40	1000 mm
DN50	1300 mm

PROTECTION FROM PHYSICAL DAMAGE

Lightning Copper Press fittings must be protected from **mechanical and chemical damage** before, during, and after installation.

- When fittings or copper tube pass through **timber or metal framing**, ensure holes are sized to allow for **thermal expansion and contraction**, while still securing the pipe adequately.
- Use **grommets or sleeves** in metal frames to prevent abrasion and protect the fittings and tube.



CLIPPING REQUIREMENTS

All fittings must be clipped using **recognised fixings** that comply with:

- **AS/NZS 5601** for gas installations
- **AS/NZS 3500** for water installations

Fixing Spacing Guidelines

Nominal Size (DN)	Max Spacing Horizontal/Vertical (m)
DN15	1.5 m
DN20	1.5 m
DN25	2.0 m
DN32	2.5 m
DN40	2.5 m
DN50	3.0 m

For suspended pipework:

- Use **rod hangers** with a minimum diameter of **9.5 mm** for tube sizes up to 50 mm

CHASES, IN-SLAB, AND UNDER-FLOOR INSTALLATIONS

When installing Lightning Copper Press fittings and copper tube in **wall chases, concrete slabs, or under-floor spaces**, follow:

- **AS/NZS 5601** for gas applications.
- **AS/NZS 3500** for water applications.
- Any **relevant building codes or local regulations**.



UNDERGROUND INSTALLATIONS

- Fittings and tube must be buried with a **minimum cover of 300 mm**.
- Use **sand bedding/backfill** to avoid adverse effects on the fittings or tube.
- Install **marker tape** approximately **150 mm above** the buried pipe.
- Lightning Copper Press fittings can be installed **directly in the trench without coating**.
- In areas with **aggressive soil conditions**, take additional protective measures as required by local authorities.

Appliance Connection

Lightning Copper Press Gas fittings may be used for **appliance connections** in accordance with **AS/NZS 5601**, provided an **appropriate means of disconnection** is included.

TESTING

All installations must be tested in accordance with:

- **AS/NZS 5601 – Appendix E** for gas pressure testing
- **AS/NZS 3500** for water installations
- Any **additional local regulations**

During testing, all joints must be **visually inspected for leaks**.

JOINTING INSTRUCTIONS

STEP 1

Cut the Copper Tube

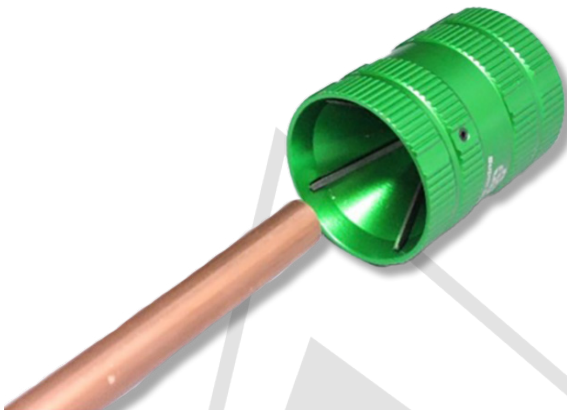
- Use a wheel-type tube cutter to cut the copper tube to the desired length.
- Ensure the cut is square and free from swarf or burrs.
- The tube surface must be clean and free from defects or contamination that could compromise the joint.



STEP 2

Deburr the Copper Tube

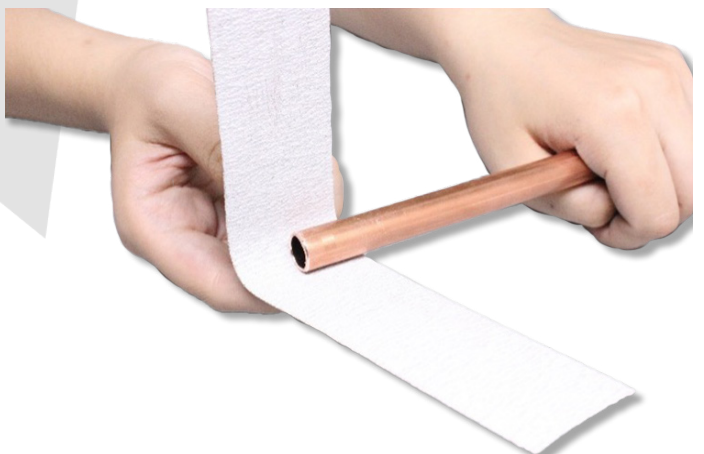
- Carefully deburr both the internal and external edges of the tube.
- This step is essential to prevent damage to the sealing ring and to ensure a proper, secure seal.



STEP 3

Check the Seal & Sand Copper Tube

- Verify that the sealing ring is:
 - **Clean**
 - **Properly lubricated**
 - **Correctly seated** in the fitting
- Use the correct seal type for the application:
 - **Yellow HNBR** for gas
 - **Black EPDM** for water
 - **Red FKM** for solar/high-temperature





JOINTING INSTRUCTIONS CONTINUED

STEP 4

Mark Insertion Depth

- Fully insert the tube into the fitting.
- Mark the outer edge of the fitting on the tube to indicate the minimum insertion depth.
- This mark helps detect any movement of the tube prior to pressing.



STEP 5

Insert Tube

- Insert the tube into the fitting until it reaches the full engagement depth (as marked).
 - Ensure:
 - The sealing ring is not dislodged or damaged
 - The tube is inserted squarely, not at an angle
 - A gentle twisting motion can help ease the tube into place.
- angle. Many users find that using a slight twisting motion during insertion will facilitate easier application.

STEP 6

Press the Joint

- Fit the correct size press jaws to the tool.
- Position the jaws over the fitting so that the raised ring of the fitting aligns with the groove in the jaws.
- Ensure the jaws are perpendicular to the joint for even pressure.
- Activate the tool and complete the pressing cycle fully.
- Always refer to the tool manufacturer's instructions for specific operational guidance.



LIGHTNING COPPER PRESS RANGE

Copper Press Straight Coupling



Product Name	LBP Supplier Code	Bag Quantity
Copper Press Straight Coupling #1 DN15 Water	LBPCP-C15*15	10
Copper Press Straight Coupling #1 DN20 Water	LBPCP-C20*20	10
Copper Press Straight Coupling #1 DN25 Water	LBPCP-C25*25	10
Copper Press Straight Coupling #1 DN32 Water	LBPCP-C32*32	5
Copper Press Straight Coupling #1 DN40 Water	LBPCP-C40*40	5
Copper Press Straight Coupling #1 DN50 Water	LBPCP-C50*50	2
Copper Press Straight Coupling #1 Gas DN15	LBPCP-C15*15 G	10
Copper Press Straight Coupling #1 Gas DN20	LBPCP-C20*20 G	10
Copper Press Straight Coupling #1 Gas DN25	LBPCP-C25*25 G	10
Copper Press Straight Coupling #1 Gas DN32	LBPCP-C32*32 G	5
Copper Press Straight Coupling #1 Gas DN40	LBPCP-C40*40 G	5
Copper Press Straight Coupling #1 Gas DN50	LBPCP-C50*50 G	2

Copper Press Slip Repair Coupling

Product Name	LBP Supplier Code	Bag Quantity
Copper Press Slip Repair Coupling #1 DN15 Water	LBPCP-S15*15	10
Copper Press Slip Repair Coupling #1 DN20 Water	LBPCP-S20*20	10
Copper Press Slip Repair Coupling #1 DN25 Water	LBPCP-S25*25	10
Copper Press Slip Repair Coupling #1 DN32 Water	LBPCP-S32*32	5
Copper Press Slip Repair Coupling #1 DN40 Water	LBPCP-S40*40	5
Copper Press Slip Repair Coupling #1 DN50 Water	LBPCP-S50*50	2
Copper Press Slip Repair Coupling #1 Gas DN15	LBPCP-S15*15 G	10
Copper Press Slip Repair Coupling #1 Gas DN20	LBPCP-S20*20 G	10
Copper Press Slip Repair Coupling #1 Gas DN25	LBPCP-S25*25 G	10
Copper Press Slip Repair Coupling #1 Gas DN32	LBPCP-S32*32 G	5
Copper Press Slip Repair Coupling #1 Gas DN40	LBPCP-S40*40 G	5
Copper Press Slip Repair Coupling #1 Gas DN50	LBPCP-S50*50 G	2



LIGHTNING COPPER PRESS RANGE

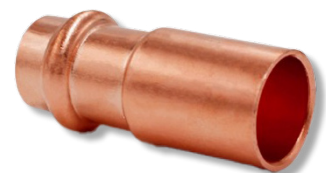
Copper Press Reducing Coupling



Product Name	LBP Supplier Code	Bag Quantity
Copper Press Reducing Coupling #1R DN20 X DN15 Water	LBPCP-S20*15	10
Copper Press Reducing Coupling #1R DN25 X DN15 Water	LBPCP-S25*15	10
Copper Press Reducing Coupling #1R DN25 X DN20 Water	LBPCP-S25*20	10
Copper Press Reducing Coupling #1R DN32 X DN20 Water	LBPCP-S32*20	5
Copper Press Reducing Coupling #1R DN32 X DN25 Water	LBPCP-S32*25	5
Copper Press Reducing Coupling #1R DN40 X DN32 Water	LBPCP-S40*32	4
Copper Press Reducing Coupling #1R DN50 X DN32 Water	LBPCP-S50*32	4
Copper Press Reducing Coupling #1R DN50 X DN40 Water	LBPCP-S50*40	2
Copper Press Reducing Coupling #1R Gas DN20 X DN15	LBPCP-S20*15 G	10
Copper Press Reducing Coupling #1R Gas DN25 X DN15	LBPCP-S25*15 G	10
Copper Press Reducing Coupling #1R Gas DN25 X DN20	LBPCP-S25*20 G	10
Copper Press Reducing Coupling #1R Gas DN32 X DN20	LBPCP-S32*20 G	5
Copper Press Reducing Coupling #1R Gas DN32 X DN25	LBPCP-S32*25 G	5
Copper Press Reducing Coupling #1R Gas DN40 X DN32	LBPCP-S40*32 G	4
Copper Press Reducing Coupling #1R Gas DN50 X DN32	LBPCP-S50*32 G	4
Copper Press Reducing Coupling #1R Gas DN50 X DN40	LBPCP-S50*40 G	2

Copper Press Reducer M & F

Product Name	LBP Supplier Code	Bag Quantity
Copper Press Reducer M And F DN20 X DN15 Water	LBPCP-SM20*15F	10
Copper Press Reducer M And F DN25 X DN15 Water	LBPCP-SM25*15F	10
Copper Press Reducer M And F DN25 X DN20 Water	LBPCP-SM25*20F	10
Copper Press Reducer M And F DN32 X DN20 Water	LBPCP-SM32*20F	10



LIGHTNING COPPER PRESS RANGE

Copper Press Elbow 90° F & F



Product Name	LBP Supplier Code	Bag Quantity
Copper Press Elbow 90° F and F #12 DN15 Water	LBPCP-L15*15	10
Copper Press Elbow 90° F and F #12 DN20 Water	LBPCP-L20*20	10
Copper Press Elbow 90° F and F #12 DN25 Water	LBPCP-L25*25	5
Copper Press Elbow 90° F and F #12 DN32 Water	LBPCP-L32*32	5
Copper Press Elbow 90° F And F #12 DN40 Water	LBPCP-L40*40	2
Copper Press Elbow 90° F And F #12 DN50 Water	LBPCP-L50*50	1
Copper Press Elbow 90° F And F Gas #12 DN15	LBPCP-L15*15 G	10
Copper Press Elbow 90° F And F Gas #12 DN20	LBPCP-L20*20 G	10
Copper Press Elbow 90° F And F Gas #12 DN25	LBPCP-L25*25 G	5
Copper Press Elbow 90° F And F Gas #12 DN32	LBPCP-L32*32 G	5
Copper Press Elbow 90° F And F Gas #12 DN40	LBPCP-L40*40 G	2
Copper Press Elbow 90° F And F Gas #12 DN50	LBPCP-L50*50 G	1

Copper Press Elbow 90° M & F

Product Name	LBP Supplier Code	Bag Quantity
Elbow 90° M and F DN15	LBPCP-L15M*15F	10
Elbow 90° M and F DN20	LBPCP-L20M*20F	10
Elbow 90° M and F DN25	LBPCP-L25M*25F	10
Elbow 90° M and F DN32	LBPCP-L32M*32F	5
Elbow 90° M And F DN40	LBPCP-L40M*40F	2
Elbow 90° M And F DN50	LBPCP-L50M*50F	1
Elbow 90° M And F Gas DN15	LBPCP-L15M*15F G	10
Elbow 90° M And F Gas DN20	LBPCP-L20M*20F G	10
Elbow 90° M And F Gas DN25	LBPCP-L25M*25F G	10
Elbow 90° M And F Gas DN32	LBPCP-L32M*32F G	5
Elbow 90° M And F Gas DN40	LBPCP-L40M*40F G	2
Elbow 90° M And F Gas DN50	LBPCP-L50M*50F G	1



LIGHTNING COPPER PRESS RANGE

Copper Press Tee Equal



Product Name	LBP Supplier Code	Bag Quantity
Copper Press Tee Equal #24 DN15 Water	LBPCP-T15*15*15	10
Copper Press Tee Equal #24 DN20 Water	LBPCP-T20*20*20	10
Copper Press Tee Equal #24 DN25 Water	LBPCP-T25*25*25	10
Copper Press Tee Equal #24 DN32 Water	LBPCP-T32*32*32	5
Copper Press Tee Equal #24 DN40 Water	LBPCP-T40*40*40	2
Copper Press Tee Equal #24 DN50 Water	LBPCP-T50*50*50	1
Copper Press Tee Equal #24 Gas DN15	LBPCP-T15*15*15 G	10
Copper Press Tee Equal #24 Gas DN20	LBPCP-T20*20*20 G	10
Copper Press Tee Equal #24 Gas DN25	LBPCP-T25*25*25 G	10
Copper Press Tee Equal #24 Gas DN32	LBPCP-T32*32*32 G	5
Copper Press Tee Equal #24 Gas DN40	LBPCP-T40*40*40 G	2
Copper Press Tee Equal #24 Gas DN50	LBPCP-T50*50*50 G	1

Copper Press Tee Reducing

Product Name	LBP Supplier Code	Bag Quantity
Copper Press Tee Reducing #27 DN20 X DN15 X DN15 Water	LBPCP-T20*(15)*15	10
Copper Press Tee Reducing #26 DN20 X DN20 X DN15 Water	LBPCP-T20*(15)*20	10
Copper Press Tee Reducing #27 Gas DN20 X DN15 X DN15	LBPCP-T20*(15)*15 G	10
Copper Press Tee Reducing #26 Gas DN20 X DN15 X DN20	LBPCP-T20*(15)*20 G	10



LIGHTNING COPPER PRESS RANGE

Copper Press Tee Reducing



Product Name	LBP Supplier Code	Bag Quantity
Copper Press Tee Reducing #25 DN20 X DN15 X DN20 Water	LBPCP-T20*(20)*15	10
Copper Press Tee Reducing #25 DN25 X DN25 X DN15 Water	LBPCP-T25*(15)*25	5
Copper Press Tee Reducing #25 DN25 X DN25 X DN20 Water	LBPCP-T25*(20)*25	5
Copper Press Tee Reducing #25 DN32 X DN32 X DN15 Water	LBPCP-T32*(15)*32	5
Copper Press Tee Reducing #25 DN32 X DN32 X DN20 Water	LBPCP-T32*(20)*32	5
Copper Press Tee Reducing #25 DN32 X DN32 X DN25 Water	LBPCP-T32*(25)*32	5
Copper Press Tee Reducing #25 DN40 X DN20 X DN40 Water	LBPCP-T40*(20)*40	2
Copper Press Tee Reducing #25 DN40 X DN25 X DN40 Water	LBPCP-T40*(25)*40	2
Copper Press Tee Reducing #25 DN40 X DN32 X DN40 Water	LBPCP-T40*(32)*40	2
Copper Press Tee Reducing #25 DN50 X DN25 X DN50 Water	LBPCP-T50*(25)*50	1
Copper Press Tee Reducing #25 DN50 X DN32 X DN50 Water	LBPCP-T50*(32)*50	1
Copper Press Tee Reducing #25 DN50 X DN40 X DN50 Water	LBPCP-T50*(40)*50	1
Copper Press Tee Reducing #25 Gas DN20 X DN20 X DN15	LBPCP-T20*(20)*15 G	10
Copper Press Tee Reducing #25 Gas DN25 X DN25 X DN20	LBPCP-T25*(20)*25 G	5
Copper Press Tee Reducing #25 Gas DN32 X DN32 X (DN15)	LBPCP-T32*(15)*32 G	5
Copper Press Tee Reducing #25 Gas DN32 X DN32 X (DN20)	LBPCP-T32*(20)*32 G	5
Copper Press Tee Reducing #25 Gas DN32 X DN32 X (DN25)	LBPCP-T32*(25)*32 G	5
Copper Press Tee Reducing #25 Gas DN40 X DN20 X DN40	LBPCP-T40*(20)*40 G	5
Copper Press Tee Reducing #25 Gas DN40 X DN25 X DN40	LBPCP-T40*(25)*40 G	2
Copper Press Tee Reducing #25 Gas DN40 X DN32 X DN40	LBPCP-T40*(32)*40 G	2
Copper Press Tee Reducing #25 Gas DN50 X DN25 X DN50	LBPCP-T50*(25)*50 G	2
Copper Press Tee Reducing #25 Gas DN50 X DN32 X DN50	LBPCP-T50*(32)*50 G	1
Copper Press Tee Reducing #25 Gas DN50 X DN40 X DN50	LBPCP-T50*(40)*50 G	1

LIGHTNING COPPER PRESS RANGE

Copper Press End Cap



Product Name	LBP Supplier Code	Bag Quantity
Copper Press End Cap DN15 Water	LBPCP-D15	10
Copper Press End Cap DN20 Water	LBPCP-D20	10
Copper Press End Cap DN25 Water	LBPCP-D25	10
Copper Press End Cap DN32 Water	LBPCP-D32	5
Copper Press End Cap DN40 Water	LBPCP-D40	5
Copper Press End Cap DN50 Water	LBPCP-D50	5
Copper Press End Cap Gas DN15	LBPCP-D15 G	10
Copper Press End Cap Gas DN20	LBPCP-D20 G	10
Copper Press End Cap Gas DN25	LBPCP-D25 G	10
Copper Press End Cap Gas DN32	LBPCP-D32 G	5
Copper Press End Cap Gas DN40	LBPCP-D40 G	5
Copper Press End Cap Gas DN50	LBPCP-D50 G 5	1

Copper Press Male Coupling

Product Name	LBP Supplier Code	Bag Quantity
Copper Press Male Coupling DN15 X 1/2MI Water	LBPCP-S15*1/2	10
Copper Press Male Coupling DN20 X 3/4MI Water	LBPCP-S20*3/4	10
Copper Press Male Coupling DN25 X 1MI Water	LBPCP-S25*1	10
Copper Press Male Coupling DN32 X 1 1/4MI Water	LBPCP-S32*1 1/4	5
Copper Press Male Coupling DN40 X 1 1/2MI Water	LBPCP-S40*1 1/2	4
Copper Press Male Coupling DN50 X 2MI Water	LBPCP-S50*2	2
Copper Press Male Coupling Gas DN15 X 1/2MI	LBPCP-S15*1/2 G	10
Copper Press Male Coupling Gas DN20 X 3/4MI	LBPCP-S20*3/4 G	10
Copper Press Male Coupling Gas DN25 X 1MI	LBPCP-S25*1 G	10
Copper Press Male Coupling Gas DN32 X 1 1/4MI	LBPCP-S32*1 1/4 G	5
Copper Press Male Coupling Gas DN40 X 1 1/2MI	LBPCP-S40*1 1/2 G	4
Copper Press Male Coupling Gas DN50 X 2MI	LBPCP-S50*2 G	2



LIGHTNING COPPER PRESS RANGE

Copper Press Female Coupling



Product Name	LBP Supplier Code	Bag Quantity
Copper Press Female Coupling DN15 X 1/2FI Water	LBPCP-S15*1/2F	10
Copper Press Female Coupling DN20 X 3/4FI Water	LBPCP-S20*3/4F	10
Copper Press Female Coupling DN25 X 1FI Water	LBPCP-S25*1F	10
Copper Press Female Coupling DN32 X 1 1/4FI Water	LBPCP-S32*1 1/4F	5
Copper Press Female Coupling DN40 X 1 1/2FI Water	LBPCP-S40*1 1/2F	4
Copper Press Female Coupling DN50 X 2FI Water	LBPCP-S50*2F	2
Copper Press Female Coupling Gas DN15 X 1/2FI	LBPCP-S15*1/2F G	10
Copper Press Female Coupling Gas DN20 X 3/4FI	LBPCP-S20*3/4F G	10
Copper Press Female Coupling Gas DN25 X 1FI	LBPCP-S25*1F G	10
Copper Press Female Coupling Gas DN32 X 1 1/4FI	LBPCP-S32*1 1/4F G	5
Copper Press Female Coupling Gas DN40 X 1 1/2FI	LBPCP-S40*1 1/2F G	4
Copper Press Female Coupling Gas DN50 X 2FI	LBPCP-S50*2F G	2

Copper Press 15BP Back Plated Elbow

Product Name	LBP Supplier Code	Bag Quantity
Copper Press 15BP Back Plated Elbow DN15X DN15FI Water	LBPCP-L15*1/2F(Z)	10
Copper Press 15BP Back Plated Elbow DN20X DN20FI Water	LBPCP-L20*3/4F(Z)	10
Copper Press 15BP Back Plated Elbow Gas DN15X DN15FI	LBPCP-L15*1/2F(Z) G	10
Copper Press 15BP Back Plated Elbow Gas DN20X DN20FI	LBPCP-L20*3/4F(Z) G	10



LIGHTNING COPPER PRESS RANGE

Copper Press 19BP Back Plated Elbow



Product Name	LBP Supplier Code	Bag Quantity
Copper Press 19BP Back Plated Elbow DN15 X 90MM X 1/2MI Water	LBPCP-L15*1/2*90mm	10
Copper Press 19BP Back Plated Elbow DN20 X 90MM X 1/2MI Water	LBPCP-L20*1/2*90mm	10
Copper Press 19BP Back Plated Elbow DN20 X 90MM X 3/4MI Water	LBPCP-L20*3/4*90mm	10
19BP Back Plated Elbow DN15 X 200MM X 1/2MI Water	LBPCP-L15*1/2*200mm	5
19BP Back Plated Elbow DN20 X 200MM X 1/2MI Water	LBPCP-L20*1/2*200mm	5
19BP Back Plated Elbow DN20 X 180MM X 3/4MI Water	LBPCP-L20*3/4*180mm	5
Copper Press 19BP Back Plated Elbow Gas DN20 X 90MM X 3/4MI	LBPCP-L20*3/4*90mm G	10
Copper Press 19BP Back Plated Elbow Gas DN20 X 90MM X 1/2MI	LBPCP-L20*1/2*90mm G	5
Copper Press 19BP Back Plated Elbow Gas DN15 X 200MM X 1/2MI	LBPCP-L15*1/2*200mm G	5
Copper Press 19BP Back Plated Elbow Gas DN20 X 200MM X 1/2MI	LBPCP-L20*1/2*200mm G	5
Copper Press 19BP Back Plated Elbow Gas DN20 X 180MM X 3/4MI	LBPCP-L20*3/4*180mm G	5

Copper Press Swivel Nut FI Adapter Straight

Product Name	LBP Supplier Code	Bag Quantity
Copper Press Swivel Nut FI Adapter Straight DN15 X 1/2FI Conical Water	LBPCP-S15*1/2F-LN	10
Swivel Nut FI Reducing Adaptor Conical Seat DN15 X 3/4FI Water	LBPCP-S15*3/4F-LN	10
Copper Press Swivel Nut FI Adapter Straight DN20 X 3/4FI Conical Water	LBPCP-S20*3/4F-LN	10
Swivel Nut FI Reducing Adaptor Flat Seat DN15 X 3/4FI Water	LBPCP-H15*3/4F-LN	10



LIGHTNING COPPER PRESS RANGE

Copper Press Elbow 45° F & F



Product Name	LBP Supplier Code	Bag Quantity
Copper Press Elbow 45° F And F #12 DN15 Water	LBPCP-L15*15*45D	10
Copper Press Elbow 45° F And F #12 DN20 Water	LBPCP-L20*20*45D	10
Copper Press Elbow 45° F And F #12 DN25 Water	LBPCP-L25*25*45D	5
Copper Press Elbow 45° F And F #12 DN32 Water	LBPCP-L32*32*45D	5
Copper Press Elbow 45° F And F #12 DN40 Water	LBPCP-L40*40*45D	2
Copper Press Elbow 45° F And F #12 DN50 Water	LBPCP-L50*50*45D	1
Copper Press Elbow 45° F And F Gas #12 DN15	LBPCP-L15*15*45D G	10
Copper Press Elbow 45° F And F Gas #12 DN20	LBPCP-L20*20*45D G	10
Copper Press Elbow 45° F And F Gas #12 DN25	LBPCP-L25*25*45D G	5
Copper Press Elbow 45° F And F Gas #12 DN32	LBPCP-L32*32*45D G	5
Copper Press Elbow 45° F And F Gas #12 DN40	LBPCP-L40*40*45D G	2
Copper Press Elbow 45° F And F Gas #12 DN50	LBPCP-L50*50*45D G	1

Copper Press Elbow 45° M & F

Product Name	LBP Supplier Code	Bag Quantity
Copper Press Elbow 45° M And F DN15 Water	LBPCP-L15M*15F*45D	10
Copper Press Elbow 45° M And F DN20 Water	LBPCP-L20M*20F*45D	10
Copper Press Elbow 45° M And F DN25 Water	LBPCP-L25M*25F*45D	5
Copper Press Elbow 45° M And F DN32 Water	LBPCP-L32M*32F*45D	5
Copper Press Elbow 45° M And F DN40 Water	LBPCP-L40M*40F*45D	2
Copper Press Elbow 45° M And F DN50 Water	LBPCP-L50M*50F*45D	1
Copper Press Elbow 45° M And F Gas DN15	LBPCP-L15M*15F*45D G	10
Copper Press Elbow 45° M And F Gas DN20	LBPCP-L20M*20F*45D G	10
Copper Press Elbow 45° M And F Gas DN25	LBPCP-L25M*25F*45D G	5
Copper Press Elbow 45° M And F Gas DN32	LBPCP-L32M*32F*45D G	5
Copper Press Elbow 45° M And F Gas DN40	LBPCP-L40M*40F*45D G	2
Copper Press Elbow 45° M And F Gas DN50	LBPCP-L50M*50F*45D G	1



LIGHTNING PRESS TOOLING CERTIFICATE

The following table lists the approved press tools, equipped with compliant “V” copper press jaws, that are authorized for use with the **Lightning Press system**. All tools must be operated in accordance with the **Lightning Press Technical Manual**.

Brand	Model	Approved Size Range (DN)
Klauke	I PRESS	DN15–25
Milwaukee	M12 HPT	DN15–32
Milwaukee	M18 BLHPT	DN15–50
REMS	Akku Press	DN15–50
REMS	Mini Press	DN15–32
RIDGID	RP 210, RP218, RP251	DN15–32
RIDGID	RP 340, RP306, RP350, RP351	DN15–50
Rothenberger	RoMax3000	DN15–50
Viega	Pressgun Picco 2489	DN15–25
Viega	Pressgun 4B	DN15–50
Viega	Pressgun 5	DN15–50
KemPress	KPS2	DN15–32
KemPress	KPL3	DN15–50
Novopress	ACO 153	DN15–32
Novopress	ACO 203XL	DN15–50





25-YEAR WARRANTY CERTIFICATE

This product is backed by a 25-year warranty against manufacturing defects. The warranty period begins on the date of sale and concludes on the corresponding anniversary. Any product found to be defective due to manufacturing faults will be repaired or replaced at no cost.

WARRANTY CONDITIONS

To ensure the validity of this warranty, the following conditions must be met:

- Installation must be performed by a licensed plumber.
- Product failure must be due to a manufacturing defect, and installation must comply with the provided instructions.
- Installation must adhere to all relevant local and national plumbing codes and applicable Australian Standards (AS/NZS 3500, AS/NZS 2492, AS/NZS 2537).
- The system must not be operated beyond the temperature and pressure ratings specified in the product documentation.
- This warranty excludes damage caused by:
 - Normal wear and tear
 - Mechanical overload
 - Paint, adhesives, or abrasion
 - Corrosion, high chlorine levels, chemicals, or harsh detergents
 - Electrochemical reactions
- No liability is accepted for indirect or consequential losses, including loss of profits, revenue, use, contracts, or production.
- The product must not be damaged during or after installation due to grouting, concrete stress cracks, or other external forces.

CLAIM PROCEDURE

To make a warranty claim, please follow these steps:

- Notify the Plumbing Merchant ("Merchant") where the product was purchased as soon as a potential issue is identified.
- Provide proof of purchase. If unavailable, the warranty period will default to the product's date of manufacture.
- An authorised representative must inspect the product within 30 days of the reported failure.
- Submit a completed Warranty Claim Form to the Merchant.
- If returning a product:
 - Include a section of pipe with visible markings
 - For fittings, return them with the pipe still attached and markings visible.
- The Merchant will arrange and cover the cost of returning goods to the manufacturer if required.
- The Merchant may appoint an independent agent to assess the product before approving a claim.
- Repairs may only proceed once a pre-approved amount is confirmed in writing by the Merchant.
- Any unauthorised repairs or replacements will not be covered under this warranty.

AUSTRALIAN CONSUMER LAW

Our goods come with guarantees that cannot be excluded under the **Australian Consumer Law (ACL)**. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if they fail to be of acceptable quality and the failure does not amount to a major failure.



This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.