



# Rapid Locking System

## Europe, UK, Africa & Asia

### Product Catalogue



The Original Flame-Free  
Refrigerant Press Fittings

# SAFER: THE IDEAL INSTALLATION AND REPAIR SOLUTION

**SAFE:** The implementation of the SAFE (Safe and Flameless Elimination) approach in our manufacturing processes has revolutionised the work environment by eliminating the need for traditional brazing methods. The introduction of a flame-free press tool not only streamlines the production process but also significantly enhances safety standards within the workspace. This innovative methodology has effectively mitigated the inherent risks associated with fire hazards, providing a secure and reliable alternative

**AGILE:** RLS Press fittings minimise the reliance on manual labour, thereby reducing the risk of workforce fatigue and burnout. This strategic integration not only addresses labour shortages but also ensures that human resources are utilised more effectively.

**FAST:** Connections completed in 10 seconds. In an era where time is of the essence, our dedication to optimising processes allows us to facilitate quicker working practices.

**EFFICIENT:** This innovative technology streamlines processes and enhances efficiency, allowing more work to be accomplished with fewer personnel.

**RELIABLE:** More consistent and dependable connections requiring less rework than the traditional brazing method. Plus, RLS press fittings are backed by a 15-year limited warranty.

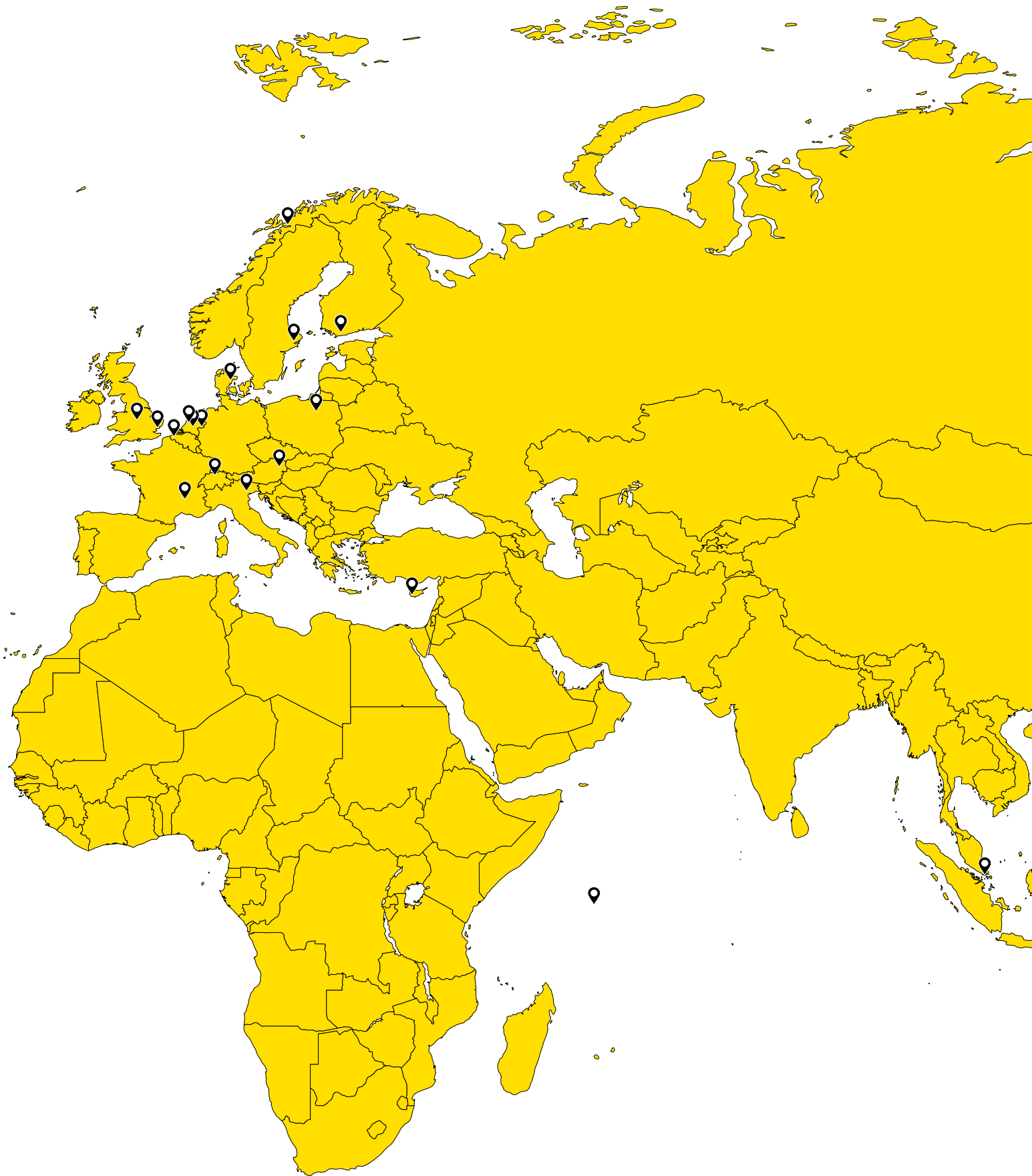
Overall, projects will result in high-quality work that can be completed successfully by fewer people in significantly less time, resulting in increased profit per job and the ability to get more jobs done.

**RLS press fittings were specifically designed and engineered to join copper tube in high-pressure HVAC and refrigeration systems.**

**Our patented RLS press fittings are available in Greater Europe, the UK, Africa, and Asia. They are fully registered and listed to UL207 for pressures up to 700 PSI.**

These first-of-their-kind fittings connect quickly and easily using an RLS-approved press tool and jaws, replacing the time-consuming practice of manually brazing joints. The pressing procedure is similar to the one used with water press fittings. RLS press fittings, however, were developed to withstand the high pressures found in HVAC/R systems

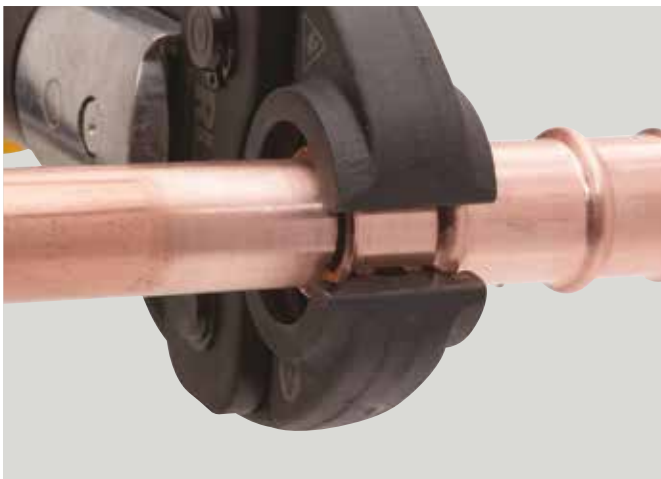




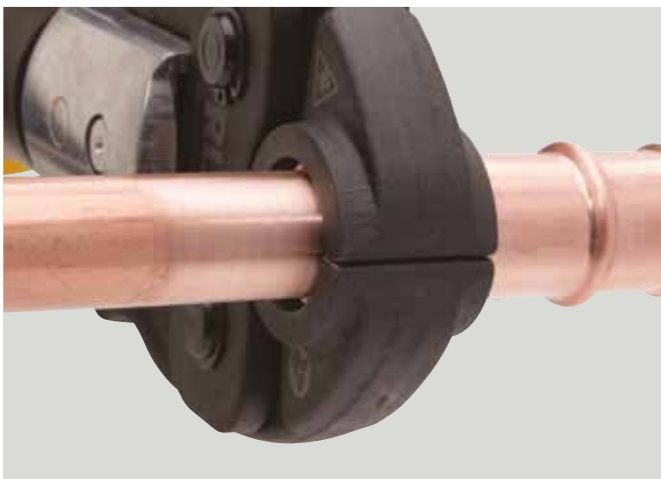
## INTRODUCTION



**1. Insert the tube in the fitting**



**2. Align the jaws**



**3. Activate the battery-powered tool**

## As easy as 1-2-3!

RLS press fittings offer a simple, effective and economical method to create reliable copper tube connections. The RLS pressing process is very straightforward, and can be completed with minimal training. Copper tube ends are first prepped the same way as with brazing. Then, in just 10 seconds, the press tool creates a permanent and reliable mechanical joint without the dangers of heat or flammable gas.

### THE RLS ADVANTAGE

- *Connects in 10 seconds*
- *UL listed to 700 psi*
- *Huge labour and time savings*
- *Less equipment required*
- *Safer conditions, no fire hazards*
- *No hot work permits*
- *No fire spotters*
- *No need to nitrogen purge*
- *More flexible access to job sites*
- *15-year limited warranty\**

\*See [rapidlockingsystem.com](http://rapidlockingsystem.com) for complete details.



## All RLS products are approved for use with the following refrigerants:

R-32*	R-125	R-134a	R-290*	R-404A	R-407A
R-407C	R-407F	R-407H	R-410A	R-417A	R-421A
R-422B	R-422D	R-427A	R-438A	R-444A*	R-447A*
R-448A	R-449A	R-450A	R-452A	R-452B*	R-454A*
R-454B*	R-454C*	R-457A*	R-507A	R-513A	R-513B
R-600a*	R-718	R-1234yf*	R-1234ze*	Ethylene Glycol	

\*Note: When using refrigerants classified A2L (lower flammability), A2 (flammable), and/or A3 (higher flammability) additional or specific standards, local rules and regulations, codes of practice and by-laws may apply.

Contact us about special blends or other refrigerants not listed here.

Check your local codes to ensure that RLS press fittings are suitable for use with your particular refrigerant.

RLS fittings are also compatible with the following industrial (non-refrigerant) gasses: nitrogen, argon, helium and oxygen (non-medical).

## FLAME-FREE FITTINGS FOR A SAFER, EASIER FUTURE.

With the industry transitioning to flammable refrigerants, contractors using RLS press fittings will benefit from offering flame-free services and a safer work environment. Additional advantages include:

- Hot work permits no longer needed
- No fire spotters
- No need to nitrogen purge
- No dragging heavy equipment to the job site

Add up all of the benefits – safer conditions, no fire hazards, and increased efficiencies – and RLS press fittings can offer huge cost and time savings, with far fewer headaches.

## RLS XL IS HERE!



1-5/8" and 2-1/8" couplings, elbows, tees and reducers.