



# Rapid Locking System

## Europe, UK, Africa & Asia

### Product Catalogue

The Original Flame-Free Refrigerant Press Fittings

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**15-Year Limited Warranty**

All RLS press fittings are backed by a 15-year limited warranty when installed in accordance with RLS installation instructions using RLS-approved tools and jaws.

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

**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



## **SAFE, FAST AND RELIABLE: THE IDEAL INSTALLATION AND REPAIR SOLUTION**

**SAFE:** Elimination of the brazing process by using a flame-free press tool results in a safer work environment without the added risk of fire hazards.

**FAST:** Connections completed in 10 seconds.

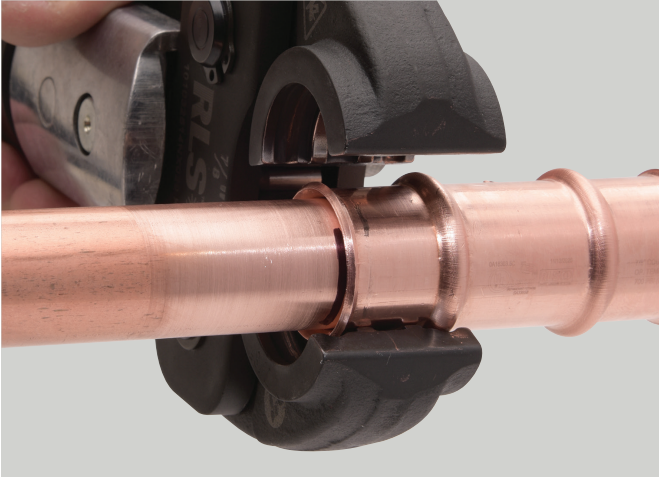
**RELIABLE:** More consistent and dependable connections requiring less rework than the traditional brazing method. Plus, RLS press fittings are backed by a 15-year limited warranty.

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.

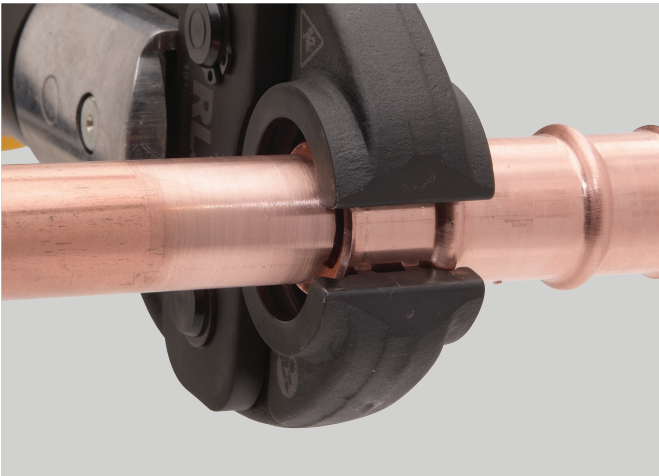




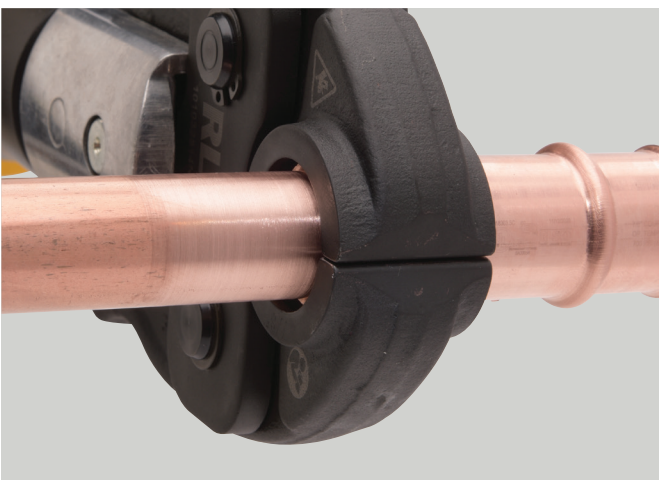
## INTRODUCTION



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



**2. Align the jaws**



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

## As easy as 1-2-3!

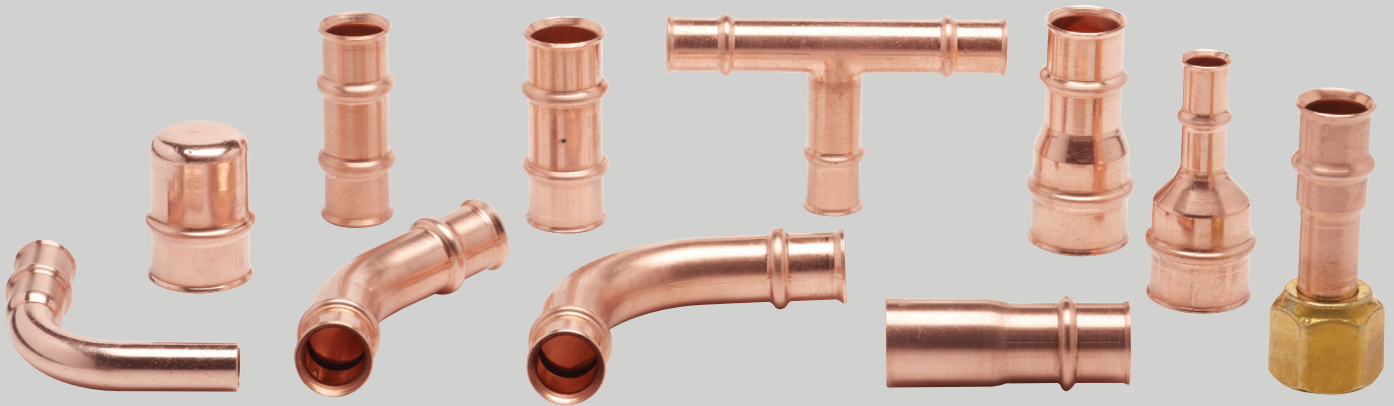
RLS press fittings offer a simple, effective and economical method to create reliable copper tube connections. The RLS pressing process is very straightforward, and can be completed with minimal training. Copper tube ends are first prepped the same way as with brazing. Then, in just 10 seconds, the press 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!

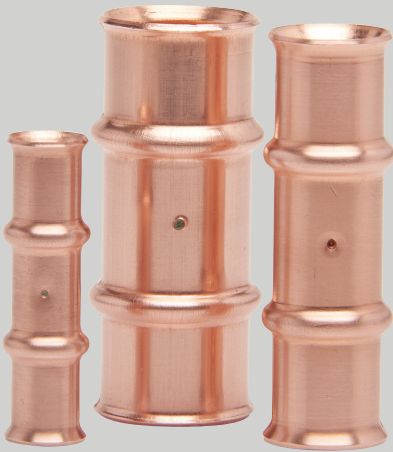


1-5/8" and 2-1/8" couplings, elbows, tees and reducers.

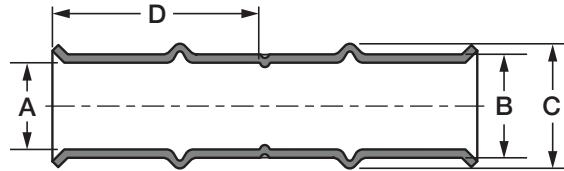
# COUPLINGS

## Couplings

Harmonised Commodity Code: 7412.10.0000



### DIMENSIONS



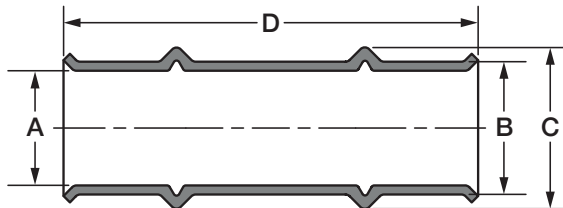
Size (Inch)	Part Number	Dimensions (mm)				Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D			
1/4	3011040400111	6.6	8.6	11.4	24.1	10	100	1.0 kg
5/16	3011050500111	8.2	10.2	13.2	23.6	10	100	1.3 kg
3/8	3011060600111	9.8	11.8	15.0	24.9	10	100	1.6 kg
1/2	3011080800111	13.0	15.0	18.5	31.8	10	100	2.8 kg
5/8	3011101000111	16.1	18.7	22.6	31.5	10	100	4.3 kg
3/4	3011121200111	19.3	22.4	27.2	32.8	10	40	2.5 kg
7/8	3011141400111	22.5	25.8	30.2	33.3	10	40	3.2 kg
1	3011161600111	25.7	29.5	34.5	33.3	10	40	4.3 kg
1-1/8	3011181800111	28.8	32.6	36.8	32.8	10	40	4.8 kg
1-1/4	3011202000111	32.1	35.9	41.1	33.0	12	24	3.4 kg
1-3/8	3011222200111	35.2	39.0	44.5	39.9	12	24	4.1 kg
1-5/8	3011262600111	41.7	47.8	55.4	47.0	4	4	1.5 kg
2-1/8	3011343400111	54.3	60.5	68.1	59.4	4	4	2.5 kg

## Slip Couplings

Harmonised Commodity Code: 7412.10.0000



### DIMENSIONS



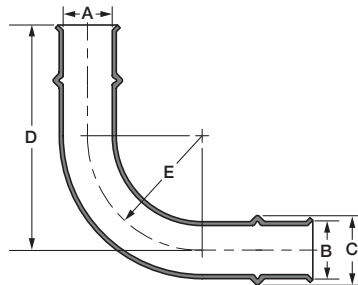
Size (Inch)	Part Number	Dimensions (mm)				Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D			
1/4	3021040400111	6.6	8.6	11.4	50.8	10	100	1.0 kg
5/16	3021050500111	8.2	10.2	13.2	51.1	10	100	1.3 kg
3/8	3021060600111	9.8	11.8	15.0	52.1	10	100	1.6 kg
1/2	3021080800111	13.0	15.0	18.5	69.6	10	100	2.8 kg
5/8	3021101000111	16.1	18.7	22.6	69.9	10	100	4.3 kg
3/4	3021121200111	19.3	22.4	27.2	69.9	10	40	2.5 kg
7/8	3021141400111	22.5	25.8	30.2	69.6	10	40	3.2 kg
1-1/8	3021181800111	28.8	32.6	36.8	70.4	10	40	4.8 kg
1-3/8	3021222200111	35.2	39.0	44.5	80.0	12	24	4.1 kg

## 90° Elbows

Harmonised Commodity Code: 7412.10.0000



### DIMENSIONS



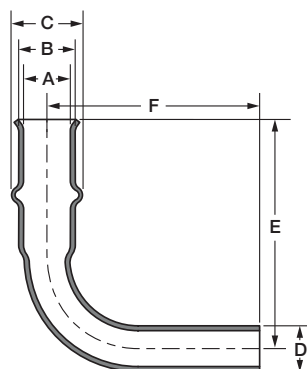
Size (Inch)	Part Number	Dimensions (mm)					Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D	E			
1/4	3031040400111	6.6	8.6	11.5	51.1	17.3	10	100	2.0 kg
5/16	3031050500111	8.2	10.2	13.1	54.1	20.6	10	100	2.6 kg
3/8	3031060600111	9.8	11.8	14.9	57.7	23.6	10	100	3.4 kg
1/2	3031080800111	13.0	15.0	18.6	73.2	30.0	10	100	5.3 kg
5/8	3031101000111	16.1	18.7	22.5	81.5	37.3	10	100	9.1 kg
3/4	3031121200111	19.3	22.4	27.2	88.1	44.7	10	40	5.6 kg
7/8	3031141400111	22.5	25.8	30.2	95.3	51.6	10	40	7.5 kg
1	3031161600111	25.7	29.5	34.6	102.6	59.2	10	40	10.1 kg
1-1/8	3031181800111	28.8	32.6	36.7	109.0	64.5	10	40	12.6 kg
1-1/4	3031202000111	32.1	35.9	41.0	109.2	64.3	5	5	1.7 kg
1-3/8	3031222200111	35.2	39.0	44.4	115.3	69.9	5	5	2.2 kg
1-5/8	3031262600111	41.7	47.8	55.4	139.4	82.6	2	2	2.1 kg
2-1/8	3031343400111	54.3	60.5	68.1	173.5	108.0	2	2	3.3 kg

## 90° Street Elbows

Harmonised Commodity Code: 7412.10.0000



### DIMENSIONS



Size (Inch)	Part Number	Dimensions (mm)						Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D	E	F			
3/8	3501060600111	9.8	11.8	14.9	9.5	44.5	48.0	10	100	2.2 kg
1/2	3501080800111	13.0	15.0	18.6	12.7	65.0	67.3	10	100	4.2 kg
5/8	3501101000111	16.1	18.7	22.5	15.9	67.1	71.4	10	100	6.9 kg
3/4	3501121200111	19.3	22.4	27.2	19.1	76.2	80.0	10	40	4.2 kg
7/8	3501141400111	22.5	25.8	30.2	22.2	82.6	86.4	10	40	5.8 kg
1-1/8	3501181800111	28.8	32.6	36.7	28.6	96.5	99.8	10	40	10.0 kg
1-3/8	3501222200111	35.2	39.0	44.4	34.9	111.3	114.6	5	5	1.7 kg



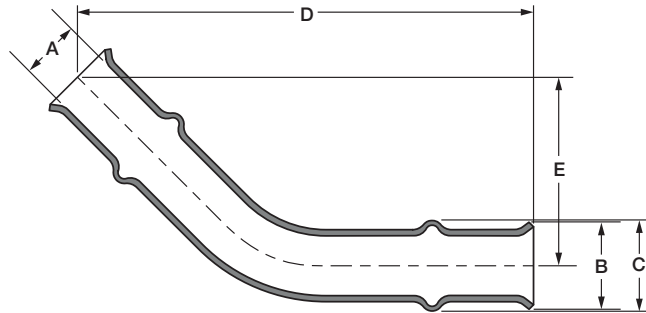
# ELBOWS/TEES

## 45° Elbows

Harmonised Commodity Code: 7412.10.0000



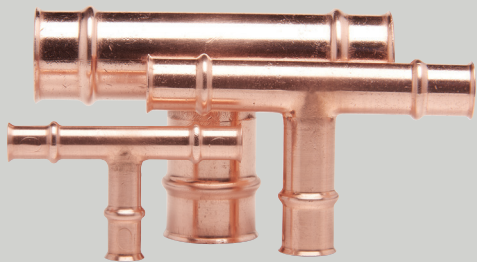
### DIMENSIONS



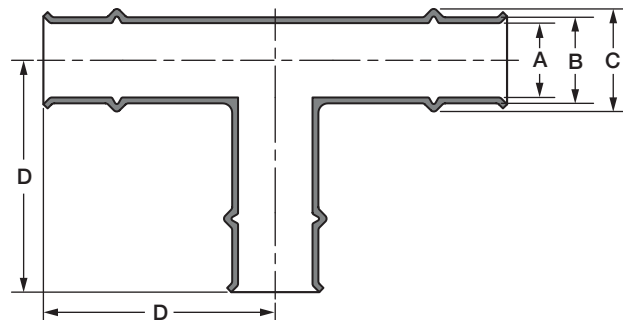
Size (Inch)	Part Number	Dimensions (mm)					Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D	E			
3/8	3081060600111	9.8	14.2	14.9	74.7	30.7	10	100	2.6 kg
1/2	3081080800111	13.0	18.0	18.6	94.5	39.1	10	100	4.4 kg
5/8	3081101000111	16.1	21.8	22.5	100.8	41.7	10	100	7.2 kg
3/4	3081121200111	19.3	25.9	27.0	104.6	43.2	10	40	4.3 kg
7/8	3081141400111	22.5	28.7	30.2	114.0	47.2	10	40	5.8 kg
1-1/8	3081181800111	28.8	35.8	36.7	122.9	50.8	10	40	9.2 kg
1-3/8	3081222200111	35.2	42.7	44.4	129.8	53.6	5	5	1.7 kg
1-5/8	3081262600111	41.7	50.8	55.4	158.0	65.5	2	2	1.4 kg
2-1/8	3081343400111	54.3	65.3	68.1	189.0	78.2	2	2	2.1 kg

## Tees

Harmonised Commodity Code: 7412.10.0000



### DIMENSIONS



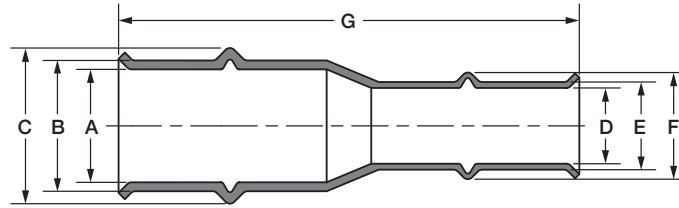
Size (Inch)	Part Number	Dimensions (mm)				Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D			
3/8	3091060606111	9.8	11.8	14.9	41.4	10	100	3.8 kg
1/2	3091080808111	13.0	15.0	18.2	56.6	10	100	6.8 kg
5/8	3091101010111	16.1	18.7	22.0	58.4	10	100	12.2 kg
3/4	3091121212111	19.3	22.4	26.6	60.5	10	40	6.8 kg
7/8	3091141414111	22.5	25.8	30.2	61.7	10	40	8.2 kg
1	3091161616111	25.7	29.5	34.6	65.8	10	40	10.8 kg
1-1/8	3091181818111	28.8	32.6	36.7	65.0	10	40	13.8 kg
1-1/4	3091202020111	32.1	35.9	41.0	85.3	5	5	2.1 kg
1-3/8	3091222222111	35.2	39.0	44.4	85.3	5	5	2.4 kg
1-5/8	3091262626111	41.7	47.8	55.4	100.3	2	2	2.1 kg
2-1/8	3091343434111	54.3	60.5	68.1	106.2	2	2	2.9 kg

## Reducers

Harmonised Commodity Code: 7412.10.0000



DIMENSIONS



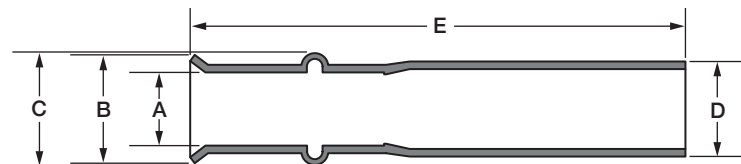
Size (Inch)	Part Number	Dimensions (mm)							Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D	E	F	G			
3/8 to 1/4	3051060400111	9.8	11.8	14.9	6.6	8.6	11.5	56.9	10	100	1.7 kg
1/2 to 1/4	3051080400111	13.0	15.0	18.6	6.6	8.6	11.5	68.8	10	100	2.3 kg
1/2 to 3/8	3051080600111	13.0	15.0	18.6	9.8	11.8	14.8	65.5	10	100	2.5 kg
5/8 to 1/4	3051100400111	16.1	18.7	22.5	6.6	8.6	11.5	68.6	10	100	3.6 kg
5/8 to 3/8	3051100600111	16.1	18.7	22.5	9.8	11.8	14.8	68.6	10	100	3.7 kg
5/8 to 1/2	3051100800111	16.1	18.7	22.1	13.0	15.0	18.2	78.7	10	100	4.0 kg
3/4 to 1/2	3051120800111	19.3	22.4	26.7	13.0	15.0	18.2	78.7	10	40	2.1 kg
3/4 to 5/8	3051121000111	19.3	22.4	26.7	16.1	18.7	22.1	76.2	10	40	2.4 kg
7/8 to 1/2	3051140800111	22.5	25.8	30.2	13.0	15.0	18.2	77.5	10	40	2.5 kg
7/8 to 5/8	3051141000111	22.5	25.8	30.2	16.1	18.7	22.1	77.5	10	40	3.0 kg
7/8 to 3/4	3051141200111	22.5	25.8	30.2	19.3	22.4	26.7	79.0	10	40	3.3 kg
1 to 7/8	3051161400111	25.7	29.5	34.7	22.5	25.8	30.2	78.5	10	40	4.1 kg
1-1/8 to 1/2	3051180800111	28.8	32.6	36.7	13.0	15.0	18.2	82.6	10	40	3.7 kg
1-1/8 to 5/8	3051181000111	28.8	32.6	36.7	16.1	18.7	22.1	82.6	10	40	4.1 kg
1-1/8 to 3/4	3051181200111	28.8	32.6	36.7	19.3	22.4	26.7	80.8	10	40	4.4 kg
1-1/8 to 7/8	3051181400111	28.8	32.6	36.7	22.5	25.8	30.2	78.7	10	40	4.5 kg
1-3/8 to 7/8	3051221400111	35.2	39.0	44.4	22.5	25.8	30.2	93.0	12	24	1.3 kg
1-3/8 to 1-1/8	3051221800111	35.2	39.0	44.4	28.8	32.6	36.7	84.8	12	24	1.5 kg
1-5/8 to 1-1/8	3051261800111	41.7	47.8	55.4	29.0	32.7	36.8	114.3	4	4	1.3 kg
1-5/8 to 1-3/8	3051262200111	41.7	47.8	55.4	35.3	39.1	44.5	109.2	4	4	1.4 kg
2-1/8 to 1-3/8	3051342200111	54.3	60.5	68.1	35.3	39.1	44.5	132.1	4	4	1.9 kg
2-1/8 to 1-5/8	3051342600111	54.3	60.5	68.1	41.7	47.8	55.4	128.3	4	4	2.4 kg

## Reducing Bushings

Harmonised Commodity Code: 7412.10.0000



DIMENSIONS



Size (Inch)	Part Number	Dimensions (mm)					Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D	E			
1/2 to 3/8	3521080600111	9.8	14.2	14.9	12.7	63.5	10	100	2.1 kg
5/8 to 1/2	3521100800111	13.0	17.3	18.2	15.9	74.9	10	100	3.3 kg
3/4 to 5/8	3521121000111	16.1	21.3	22.0	19.1	75.7	10	40	2.0 kg
7/8 to 3/4	3521141200111	19.3	25.9	26.6	22.2	77.2	10	40	2.7 kg
1-1/8 to 7/8	3521181400111	22.5	27.9	30.2	28.6	77.7	10	40	3.9 kg
1-3/8 to 1-1/8	3521221800111	28.8	35.6	36.7	34.9	79.2	12	24	3.2 kg

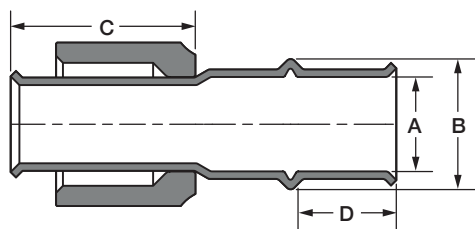
# FLARES/CAPS

## SAE/Euro Flares

Harmonised Commodity Code: 7412.10.0000



### DIMENSIONS



Per ARI Guideline M-97 45° Refrigeration Flare Fittings and Copper Tubing

Size	Torque, ft-lbs [N*m]	
	Minimum	Maximum
1/4"	8 [11]	10 [14]
3/8"	15 [20]	25 [34]
1/2"	25 [34]	35 [47]
5/8"	40 [54]	55 [75]
3/4"	50 [68]	60 [81]

Note: Per Section 9.5 of the M-97 Guideline, when applying torque to the flare connection the use of lubricants/lubrication is not recommended.

Note: Applying a torque above the maximum limit may distort or damage the sealing surface of the flare.

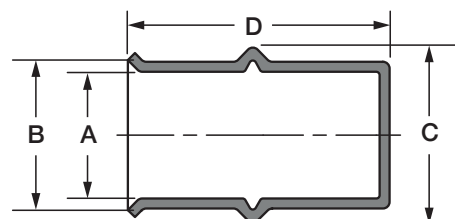
Size (Inch)	Part Number	Dimensions (mm)				Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D			
1/4	3291040000111	6.6	11.5	35.1	14.2	10	100	2.7 kg
3/8	3291060000111	9.8	14.9	35.1	14.7	10	100	4.3 kg
1/2	3291080000111	13.0	18.2	34.8	19.1	10	100	6.5 kg
5/8	3291100000111	16.1	22.0	37.6	19.1	10	40	3.8 kg
3/4	3291120000111	19.3	26.6	37.6	20.3	10	40	6.7 kg

## Caps

Harmonised Commodity Code: 7412.10.0000



### DIMENSIONS



Size (Inch)	Part Number	Dimensions (mm)				Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D			
1/4	3071040000111	6.6	8.6	11.5	36.8	10	100	0.8 kg
5/16	3071050000111	8.2	10.2	13.1	36.8	10	100	1.0 kg
3/8	3071060000111	9.8	11.8	14.9	36.8	10	100	1.2 kg
1/2	3071080000111	13.0	15.0	18.2	50.0	10	100	2.3 kg
5/8	3071100000111	16.1	18.7	22.0	50.3	10	100	3.1 kg
3/4	3071120000111	19.3	22.4	26.6	50.0	10	40	1.7 kg
7/8	3071140000111	22.5	25.8	30.2	48.3	10	40	2.2 kg
1	3071160000111	25.7	29.5	34.6	50.8	10	40	3.3 kg
1-1/8	3071180000111	28.8	32.6	36.7	50.5	10	40	3.5 kg
1-1/4	3071200000111	32.1	35.9	41.0	63.5	12	24	3.0 kg
1-3/8	3071220000111	35.2	39.0	44.4	63.2	12	24	3.3 kg

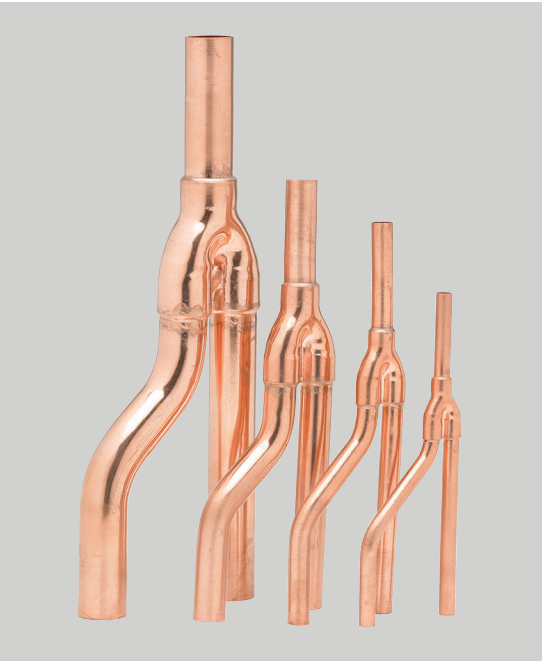


# ANCILLARY PRODUCTS

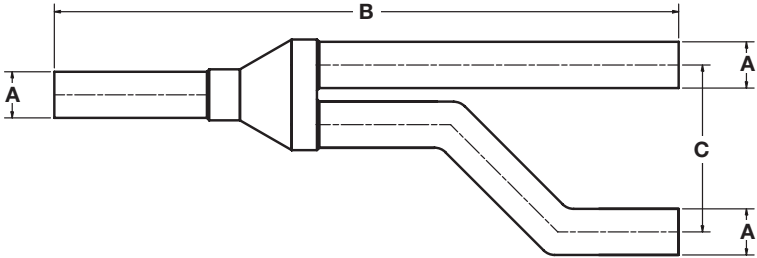
ODM products are compatible with RLS fittings.

## ODM Y-Joints (Without Insulation)

Harmonised Commodity Code: 7412.10.0000



### DIMENSIONS



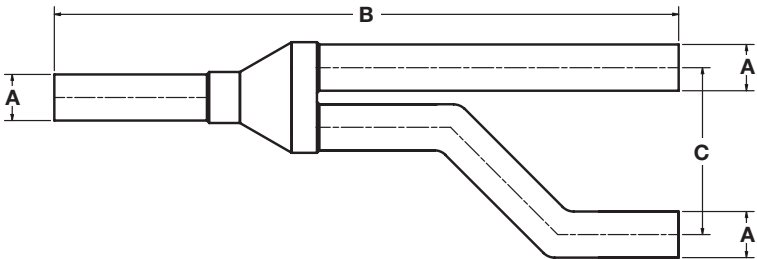
Size (Inch)	Part Number	Dimensions (mm)			Box Quantity	Carton Quantity
		A	B	C		
3/8	3771060606111	9.7	192.0	60.0	2	44
1/2	3771080808111	12.7	227.1	63.0	2	44
5/8	3771101010111	16.0	240.0	66.0	2	42
3/4	3771121212111	19.1	258.1	69.1	2	24
7/8	3771141414111	22.4	307.1	72.9	2	24
1-1/8	3771181818111	28.7	333.0	89.9	1	10
1-3/8	3771222222111	35.1	379.0	103.1	1	10

## ODM Y-Joints (With Insulation)

Harmonised Commodity Code: 7412.10.0000



### DIMENSIONS



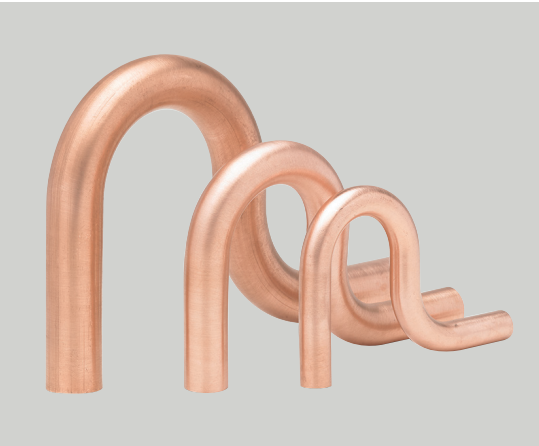
Size (Inch)	Part Number	Dimensions (mm)			Box Quantity	Carton Quantity
		A	B	C		
3/8	3771060606130	9.7	192.0	60.0	2	44
1/2	3771080808130	12.7	227.1	63.0	2	44
5/8	3771101010130	16.0	240.0	66.0	2	42
3/4	3771121212130	19.1	258.1	69.1	2	24
7/8	3771141414130	22.4	307.1	72.9	2	24
1-1/8	3771181818130	28.7	333.0	89.9	1	10
1-3/8	3771222222130	35.1	379.0	103.1	1	10

## ANCILLARY PRODUCTS

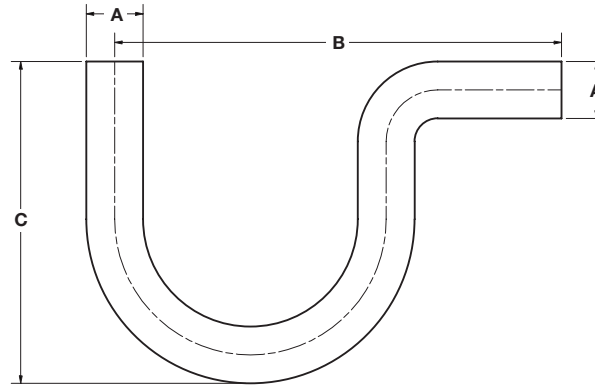
ODM products are compatible with RLS fittings.

### ODM P-Traps

Harmonised Commodity Code: 7412.10.0000



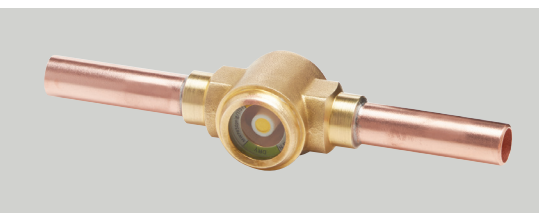
#### DIMENSIONS



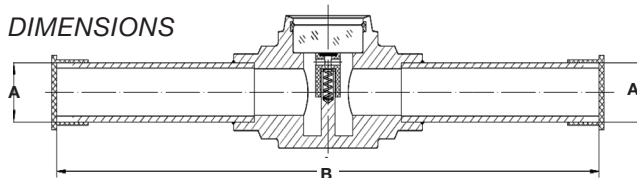
Size (Inch)	Part Number	Dimensions (mm)			Box Quantity	Carton Quantity
		A	B	C		
1/2	3761080800111	12.7	130.0	89.9	2	80
5/8	3761101000111	16.0	130.0	91.9	2	80
3/4	3761121200111	19.1	150.1	108.0	2	38
7/8	3761141400111	22.4	169.9	118.1	2	38
1-1/8	3761181800111	28.7	210.1	151.9	2	10
1-3/8	3761222200111	35.1	260.1	190.0	2	10

### ODM Sight Glasses

Harmonised Commodity Code: 7412.10.0000



#### DIMENSIONS



Size (Inch)	Part Number	Dimensions (mm)		Box Quantity	Carton Quantity
		A	B		
1/4	3781040400111	6.4	102.1	1	100
3/8	3781060600111	9.4	119.1	1	100
1/2	3781080800111	12.7	154.9	1	100
5/8	3781101000111	16.0	156.0	1	50
3/4	3781121200111	19.1	161.0	1	50
7/8	3781141400111	22.4	166.9	1	50
1-1/8	3781181800111	28.7	192.0	1	30

# ANCILLARY PRODUCTS

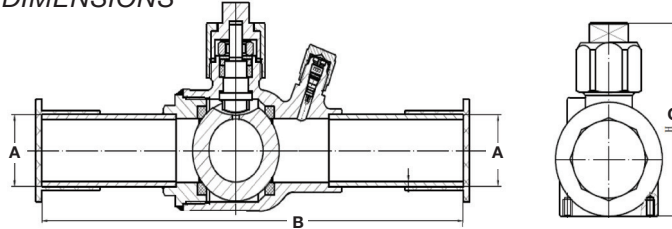
ODM products are compatible with RLS fittings.

## ODM Ball Valves (Bi-Directional with Schrader valves)

Harmonised Commodity Code: 8481.8079.30



### DIMENSIONS



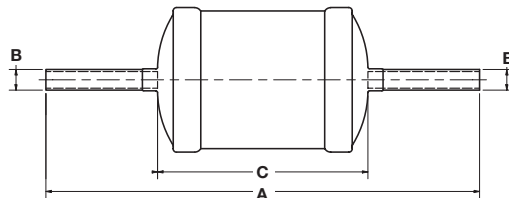
Size (Inch)	Part Number	Dimensions (mm)			Box Quantity	Carton Quantity
		A	B	C		
1/4	3791040400111	6.4	171.5	51.3	1	40
3/8	3791060600111	9.4	161.0	51.3	1	40
1/2	3791080800111	12.7	166.6	51.3	1	40
5/8	3791101000111	16.0	172.0	58.4	1	40
3/4	3791121200111	19.1	178.0	66.0	1	30
7/8	3791141400111	22.4	184.0	66.0	1	30
1-1/8	3791181800111	28.7	207.3	83.1	1	30
1-3/8	3791222200111	34.8	228.6	98.6	1	24

## ODM Filter Driers

Harmonised Commodity Code: 7412.10.0000



### DIMENSIONS



Size (Inch)	Part Number	Desiccant (Cubic Inches)	Dimensions (mm)			Box Quantity	Carton Quantity
			A	B	C		
3/8 Liquid Line	3821060600111	8	201.9	9.7	99.1	1	30
3/8 Liquid Line	3831060600111	16	225.0	9.7	121.9	1	30
1/2 Liquid Line	3831080800111	16	227.1	12.7	121.9	1	30
3/8 Liquid Line Bi-Directional	3921060600111	8	199.9	9.7	97.0	1	30
3/8 Liquid Line Bi-Directional	3931060600111	16	220.0	9.7	117.1	1	30

Part Number	Connections Inlet/Outlet	Flow Capacity Ton @ 1psi ΔP (For kw Multiply Ton By 3.5)				Water Capacity Drops of Water									
		R134a	R22 & R410A	R407C	R404A & R507	R134a		R22		R407c		R410A		R404A & R507	
						75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F
3821060600111	3/8" ODM	5.42	6.0	6.0	4.0	265	245	250	225	205	165	170	130	275	260
3831060600111	3/8" ODM	6.2	6.8	6.8	4.57	396	366	271	336	306	246	256	196	406	286
3831080800111	1/2" ODM	8.5	9.4	9.4	6.2	396	366	271	336	306	246	256	196	406	286
3921060600111	3/8" ODM	4.8	5.1	5.0	3.33	265	245	250	225	205	165	170	130	275	260
3931060600111	3/8" ODM	4.9	5.2	5.2	3.49	359	341	360	307	361	333	327	302	392	365

All ratings are in accordance with ANSI/AHRI standard 710-2009.



Klauke® 15 kN Press Tool

Harmonised Commodity Code: 8467.29.0090



**Pressing Force:** 15 kN  
**Presses/charge:** 100-150 (2.0 Ah)  
**Battery Capacity:** 18V / 2.0 Ah Li-Ion Makita (BL1820B)  
**Charging Time:** 15 minutes  
**Operating Temp. Range:** -10°C to 40°C (14°F to 104°F)  
**Weight with Battery:**  
 Without Jaw: 1.8 kg (4.0 lb)  
 Including Jaw: 3.1 kg (6.8 lb)  
**Dimensions:** 395 x 80 x 118 mm

Size	Part Number
15 kN	399011150002

Klauke® 19 kN Press Tool

Harmonised Commodity Code: 8467.29.0090



**Pressing Force:** 19 kN  
**Presses/charge:** 100-150 (2.0 Ah)  
**Battery Capacity:** 18V / 2.0 Ah Li-Ion Makita (BL1820B)  
**Charging Time:** 15 minutes  
**Operating Temp. Range:** -10°C to 40°C (14°F to 104°F)  
**Weight with Battery:**  
 Without Jaw: 1.8 kg (4.0 lb)  
 Including Jaw: 3.1 kg (6.8 lb)  
**Dimensions:** 395 x 80 x 118 mm

Size	Part Number
19 kN	399011190001

Klauke® 32 kN Press Tool

Harmonised Commodity Code: 8467.29.0090



**Pressing Force:** 32 kN  
**Presses/charge:** 350-400 (4.0 Ah)  
**Battery Capacity:** 18V / 2.0 Ah Li-Ion Makita (BL1820B)  
**Charging Time:** 15 minutes  
**Operating Temp. Range:** -10°C to 40°C (14°F to 104°F)  
**Weight with Battery:**  
 Without Jaw: 3.6 kg (8.0 lb)  
 Including Jaw: 5.7 kg (12.5 lb)  
**Dimensions:** 359 x 76 x 317 mm

Size	Part Number
32 kN	399011320002

Klauke® 15 kN Jaws

Harmonised Commodity Code: 8467.99.0190



Size	Part Number
1/4"	399021151040
5/16"	399021151050
3/8"	399021151060
1/2"	399021151080
5/8"	399021151100
3/4"	399021151120
7/8"	399021151140
1-1/8"	399021151180

Klauke® 19 kN Jaws

Harmonised Commodity Code: 8467.99.0190



Size	Part Number
1/4"	399021191040
5/16"	399021191050
3/8"	399021191060
1/2"	399021191080
5/8"	399021191100
3/4"	399021191120
7/8"	399021191140
1"	399021191160
1-1/8"	399021191180
1-1/4"	399021191200
1-3/8"	399021191220

Klauke® 32 kN Jaws

Harmonised Commodity Code: 8467.99.0190



Size	Part Number
1/4"	399021321040
5/16"	399021321050
3/8"	399021321060
1/2"	399021321080
5/8"	399021321100
3/4"	399021321120
7/8"	399021321140
1"	399021321160
1-1/8"	399021321180
1-1/4"	399021321200
1-3/8"	399021321220
1-5/8"	399021321260
2-1/8"	399021321340

## TOOLS, JAWS AND ACCESSORIES

### Klauke® Tool Kits

Harmonised Commodity Code: 8467.29.0090



Each kit includes the Klauke press tool, in a hard plastic carrying case. In Europe please obtain the battery and charger from Makita directly to suit power required. We will be adding a battery range in January 2023.

Size	Part Number
32 kN Tool (no jaws)	399011320001
19 kN Tool (no jaws)	399011190002
19 kN Tool and 5 Jaws (3/8", 1/2", 5/8", 7/8", 1-1/8")	399011190502
Klauke 8 jaw kit 19kn (jaws only – no tool) [3/8", 1/2", 5/8", 7/8", 1-1/8"]	399031190801
Klauke 19TK5 19kn tool (with 5 jaws in kit)	399011190502
Klauke 19TK5 19kn tool (with 3 jaws in kit)	399011190302
Klauke 19TK0 19kn tool only (No battery or charger)	399011190002
32 kN 8-Jaw Kits (no tool) (1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8", 1-3/8")	399031320801
19 kN 8-Jaw Kits (no tool) (1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8", 1-3/8")	399031190801

### RIDGID® Jaws

Harmonised Commodity Code: 8467.29.0090



Size	Part Number
1/4"	399022001040
5/16"	399022001050
3/8"	399022001060
1/2"	399022001080
5/8"	399022001100
3/4"	399022001120
7/8"	399022001140
1-1/8"	399022001180
1-3/8"	399022001220

### RIDGID® 8-Jaw Set

Harmonised Commodity Code: 8467.29.0090



The RIDGID 8-Jaw Set comes in a hard plastic carrying case and includes a tube cutter, deburring tools, press gauge, depth gauge, stainless steel brush, abrasive pad and permanent marker. Jaw sizes include 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8" and 1-3/8". The 5/16" jaw is sold separately.

Size	Part Number
RIDGID 8-Jaw Set (1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8", 1-3/8")	399032000801

**NOTE:** RIDGID press tools are sold through RIDGID distributors, available in lightweight pistol-grip and inline models.

Accessories

Accessory Kit:

- Tubing cutter
- RLS depth gauge
- RLS press gauge
- Permanent marker
- Brush
- Abrasive pad
- Deburring tool











Part Number	Description	Harmonised Commodity Code
399011000100	Klauke Replacement Tool Case	
399031000100	Klauke Jaw Case	
399032000100	RIDGID Jaw Case	
399040307	1-1/4" Press Gauge	9017.30.8000
399040306	Press Gauge	9017.30.8000
399040308	Depth Gauge	9017.30.8000
399040301	Tube Cutter	8203.40.0000
399040302	Small Tube Deburring Tool (1/4" – 1-1/4")	8205.59.1000
399040309	Large Tube Deburring Tool (1/2" – 2")	8205.59.1000
399040303	Stainless Steel Brush	960.390.8050
399040304	Abrasive Pad	
399040305	Permanent Marker	
399040101	Safety Kit (plastic bag, pen, instructions, crimp/depth gauges)	
399040203	Makita 18V Charger – DC18RC	
399040202	Makita 18V Battery – BL1815	
399040201	Diagnostic tool – PGA1	



# TOOLS, JAWS AND ACCESSORIES

## Tool and Jaw Compatibility Matrix

TOOL MANUFACTURER	Model(s)	Size Range	JAW MANUFACTURER				
			Klauke®			RIDGID®	Milwaukee®
			15 kN	19 kN	32 kN	19 kN	32 kN
 A Textron Company	MAP2L	1/4" – 1-1/8"	✓				
	MAP2L19	1/4" – 1-3/8"		✓			
	UAP 332	1/4" – 1-3/8"			✓		✓
	UAP 432	1/4" – 1-3/8"			✓		✓
 pipetool technologies at work	Romax Compact	1/4" – 1-3/8"		✓			
	Romax 3000	1/4" – 1-3/8"			✓		✓
	Romax 4000	1/4" – 1-3/8"			✓		✓
	PC-20 M	1/4" – 1-1/8"	✓				
	RP 200 RP 210 RP 240 RP 241	1/4" – 1-3/8"				✓	
	RP 330 RP 340 RP 350 RP 351	1/4" – 1-3/8"			✓		✓
	M12	1/4" – 1-3/8"				✓	
	M18	1/4" – 1-3/8"			✓		✓
	Pressgun Picco 6	1/4" – 1-3/8"				✓	
	Pressgun 6	1/4" – 1-3/8"					✓
 because quality matters	ACO103	1/4" – 1-3/8"		✓			
	ACO203	1/4" – 1-3/8"			✓		✓
	ECO203	1/4" – 1-3/8"			✓		✓
	EFP203	1/4" – 1-3/8"			✓		✓
	DCE200	1/4" – 1-3/8"			✓		✓

Only RLS-approved tools and jaws can be used to install RLS fittings.

## Applications

- High Pressure HVAC/R
- Ethylene Glycol
- Non-Potable Water

## Product Parameters

- Continuous Operating Temperature: 250°F / 121°C
- O-Ring Temperature Rating: -40°F to +300°F / -40°C to +149°C
- Maximum Rated Pressure (MRP): 700 psi / 48 bar
- Minimum Burst Pressure (UL 207): 2,100 psi / 145 bar
- Vacuum Pressure Capability: <200 Microns
- External Helium Leak Rate:  $<7.5 \times 10^{-7}$  Pa•m<sup>3</sup>/s at 20°C & 10 bar
- Vibration Resistance: Conforms to UL109
- Size Availability (Inches): 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/8, 1-1/4, 1-3/8, 1-5/8, 2-1/8

## Fitting Materials

- Fitting Body: Refrigerant Grade Copper, per ASTM-B75 or ASTM-B743
- O-Ring: HNBR

## Compatibility

- Approved Oils: Mineral Oil, POE, PVE, PAG
- Approved Tubing Materials: Copper-to-Copper Connections
- Approved Tubing Tolerance: ASTM B88/B280, EN 12735 & AS/NZS 1571
- Approved Copper Tubing Types for 32 kN Tool/Jaws
  - Hard/Drawn: 1/4" - 2-1/8" Type ACR, L, K
  - Soft/Annealed: 1/4" - 1-3/8" Type ACR, L, K
- Approved Copper Tubing Types for 19 kN Tool/Jaws
  - Hard/Drawn: 1/4" - 1-3/8" Type ACR, L, K
  - Soft/Annealed: 1/4" - 1-3/8" Type ACR, L, K
- Approved Copper Tubing Types for 15 kN Tool/Jaws
  - Hard/Drawn: 1/4" - 1-1/8" Type ACR, L; 1/4" - 7/8" Type K
  - Soft/Annealed: 1/4" - 1-1/8" Type ACR, L; 1/4" - 7/8" Type K

## Agency Approvals and Certifications

- UL Listed: 207, SA#33958, SDTW (7) (Except where noted)
- UL Listed: Approved Use For Field & Factory Installations
- ISO 5149-2: Part 2 Compliant
- ASHRAE-15, ANSI 15, ASME B31.5 (504.7)
- ICC-ES, PMG-1296
- International Mechanical Code (IMC) 2021, 2018, 2015, 2012, 2009, 2006
- International Residential Code (IRC) 2021, 2018, 2015, 2012, 2009, 2006
- Uniform Mechanical Code (UMC) 2021, 2018, 2015, 2012, 2009, 2006
- CRN 0A22551

## RLS Press Fitting Patents

- U.S. Patent No. 9,145,992
- U.S. Patent No. 9,638,361
- U.S. Patent No. D730,494
- Australian Patent No. 2012362443
- Brazilian Patent No. BR112014016012-0
- Canadian Patent No. 2,800,360
- Canadian Design Registration No. 149228
- EUIPO Registered Community Design No. 002218636-0001
- Japanese Patent No. 6051468
- Other Pending Patent Applications

## RLS Press Tools and Jaws Patents

- Australian Design Registration No. 361533
- Canadian Design Registration No. 161804
- EUIPO Registered Community Design No. 002672667-0001
- Japanese Design Registration No. 1537545
- Other Pending Patent Applications



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