



Original. Patented. Proven.

The original press fittings specifically engineered to join tube in high-pressure HVAC and refrigeration systems.

PROUDLY MADE IN AMERICA 



The familiar RLS stamp ensures a reliable connection!

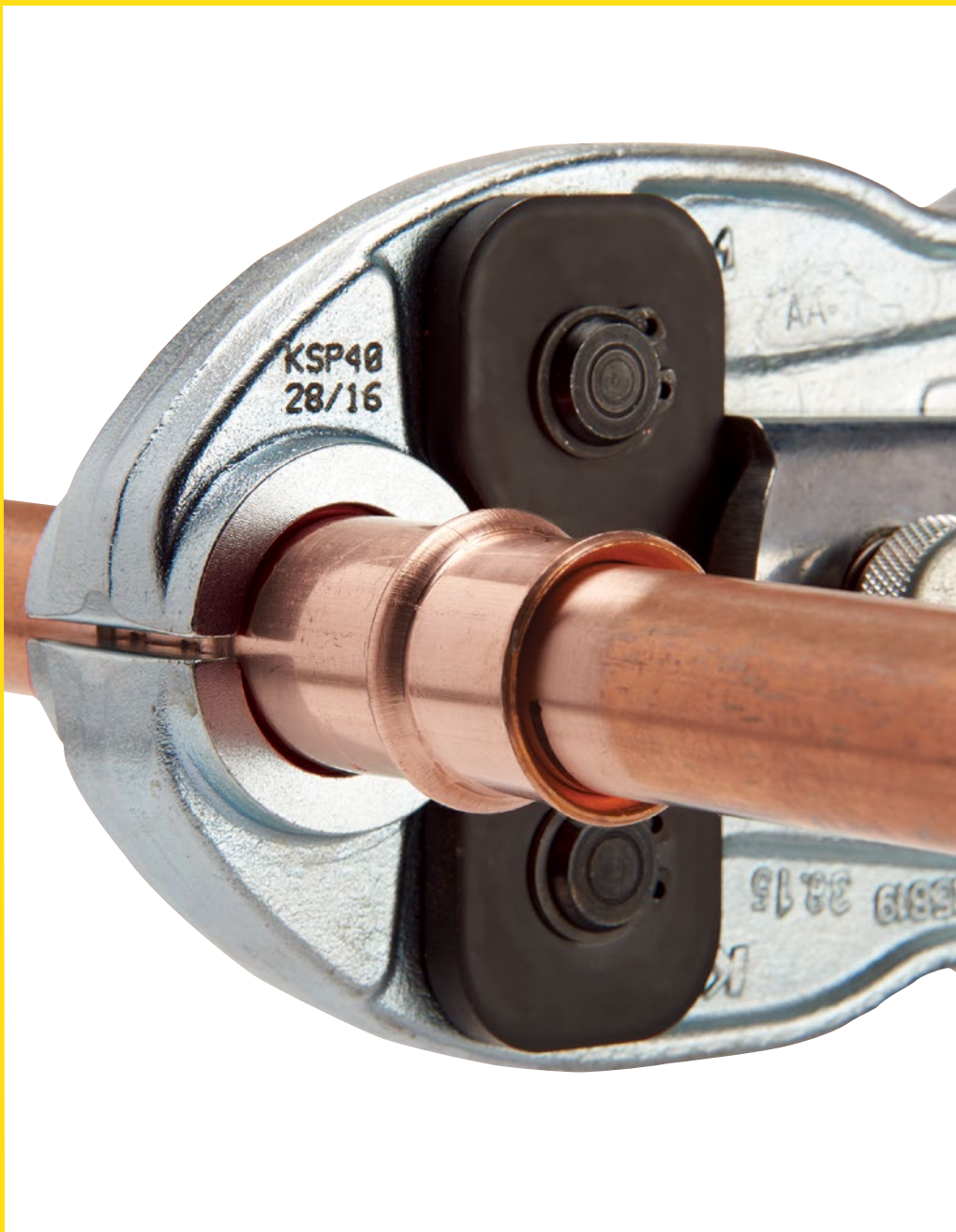


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10-Year Limited Warranty

All RLS Press Fittings are backed by a 10-year limited warranty when installed in accordance with RLS installation instructions using RLS-approved tools and jaws.

See information on 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 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

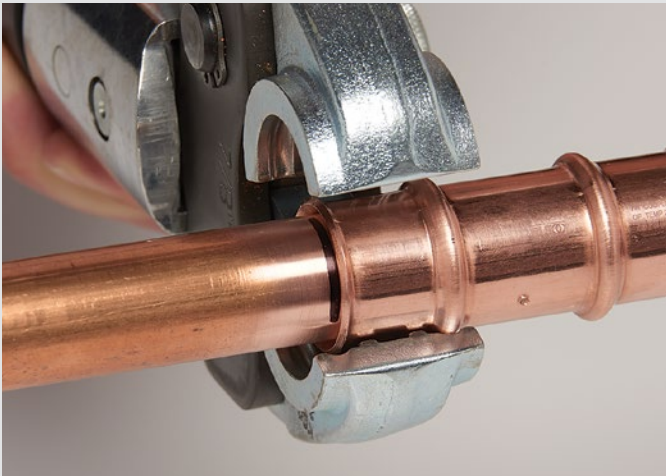
SAFE: Elimination of the brazing process by using a flame-free press tool results in a safer work environment without the added risk of fire hazards.

FAST: Connections completed in 10 seconds.

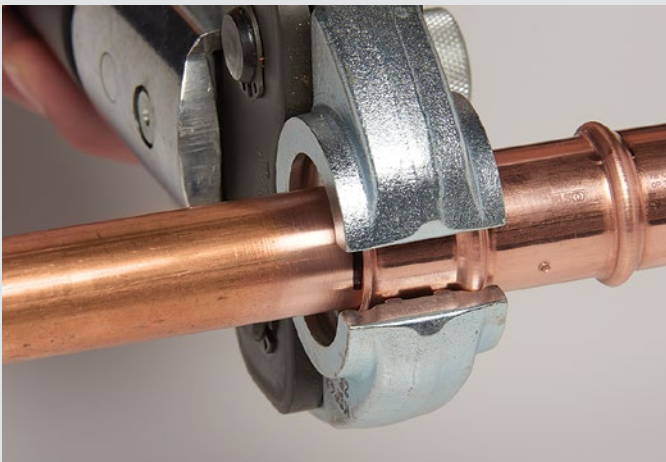
RELIABLE: More consistent and dependable connections requiring less rework than the traditional brazing method. Plus, RLS Press Fittings are backed by a 10-year limited warranty.

Overall, projects will result in higher-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.

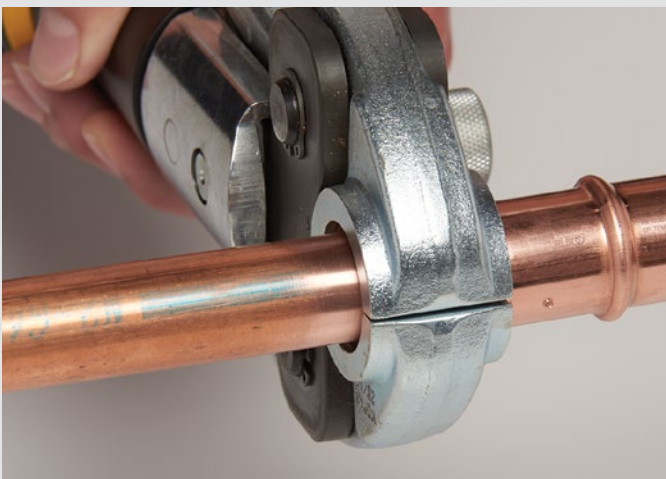
Introduction



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 leak-free 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 labor and time savings*
- *Less equipment required*
- *Safer conditions, no fire hazards*
- *No hot work permits*
- *No fire spotter*
- *No need to nitrogen purge*
- *More flexible access to job sites*
- *10-year limited warranty**

*See rapidlockingsystem.com for complete details.



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

R-32	R-125	R-134a	R-143a	R-152a	R-227ea	R-290	R-404A	R-407A
R-407B	R-407C	R-407F	R-407G	R-407H	R-410A	R-417A	R-421A	R-422A
R-422B	R-422C	R-422D	R-424A	R-427A	R-434A	R-437A	R-438A	R-442A
R-444A	R-444B	R-445A	R-446A	R-447A	R-448A	R-449A	R-449B	R-449C
R-450A	R-451A	R-451B	R-452A	R-452B	R-452C	R-453A	R-454A	R-454B
R-454C	R-455A	R-456A	R-457A	R-458A	R-507A	R-513A	R-513B	R-515A
R-515B	R-600	R-600a	R-718	R-1234yf	R-1234ze	Ethylene Glycol		

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.

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

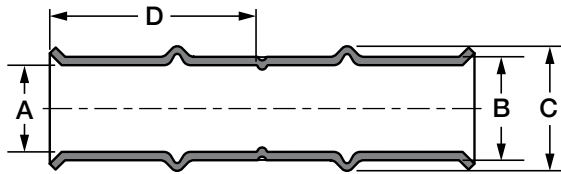
Add up all of the benefits – safer conditions, no fire hazards, and increased efficiencies – and RLS Press Fittings can offer huge cost and time savings, with far fewer headaches.

COUPLINGS

Couplings



DIMENSIONS

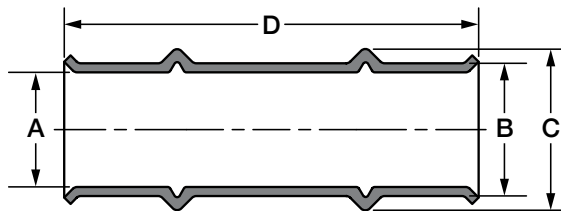


Size (Inch)	Part Number	Dimensions (Inches)				Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D			
1/4	3011040400111	0.26	0.34	0.45	0.95	10	100	2.3 lbs.
5/16	3011050500111	0.32	0.40	0.52	0.93	10	100	2.9 lbs.
3/8	3011060600111	0.39	0.47	0.59	0.98	10	100	3.5 lbs.
1/2	3011080800111	0.51	0.59	0.73	1.25	10	100	6.1 lbs.
5/8	3011101000111	0.64	0.74	0.89	1.24	10	100	9.5 lbs.
3/4	3011121200111	0.76	0.88	1.07	1.29	10	40	5.5 lbs.
7/8	3011141400111	0.89	1.02	1.19	1.31	10	40	7.0 lbs.
1	3011161600111	1.01	1.16	1.36	1.31	10	40	9.5 lbs.
1-1/8	3011181800111	1.14	1.29	1.45	1.29	10	40	10.3 lbs.
1-1/4	3011202000111	1.26	1.41	1.62	1.30	12	24	7.4 lbs.
1-3/8	3011222200111	1.39	1.54	1.75	1.57	12	24	9.0 lbs.

Slip Couplings



DIMENSIONS



Size (Inch)	Part Number	Dimensions (Inches)				Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D			
1/4	3021040400111	0.26	0.34	0.45	2.00	10	100	2.3 lbs.
5/16	3021050500111	0.32	0.40	0.52	2.01	10	100	2.9 lbs.
3/8	3021060600111	0.39	0.47	0.59	2.05	10	100	3.5 lbs.
1/2	3021080800111	0.51	0.59	0.73	2.74	10	100	6.1 lbs.
5/8	3021101000111	0.64	0.74	0.89	2.75	10	100	9.5 lbs.
3/4	3021121200111	0.76	0.88	1.07	2.75	10	40	5.5 lbs.
7/8	3021141400111	0.89	1.02	1.19	2.74	10	40	7.0 lbs.
1-1/8	3021181800111	1.14	1.29	1.45	2.77	10	40	10.3 lbs.
1-3/8	3021222200111	1.39	1.54	1.75	3.15	12	24	9.0 lbs.

ELBOWS

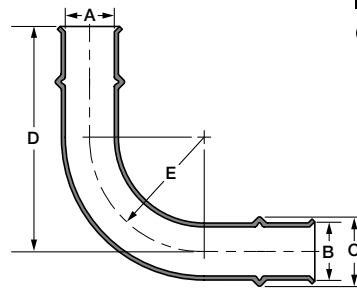


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90° Elbows



DIMENSIONS

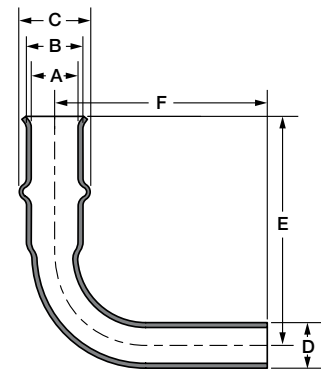


Size (Inch)	Part Number	Dimensions (Inches)					Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D	E			
1/4	3031040400111	0.26	0.34	0.45	2.01	0.68	10	100	4.4 lbs.
5/16	3031050500111	0.32	0.40	0.52	2.13	0.81	10	100	5.8 lbs.
3/8	3031060600111	0.39	0.47	0.59	2.27	0.93	10	100	7.4 lbs.
1/2	3031080800111	0.51	0.59	0.73	2.88	1.18	10	100	11.6 lbs.
5/8	3031101000111	0.64	0.74	0.89	3.21	1.47	10	100	20.0 lbs.
3/4	3031121200111	0.76	0.88	1.07	3.47	1.76	10	40	12.3 lbs.
7/8	3031141400111	0.89	1.02	1.19	3.75	2.03	10	40	16.6 lbs.
1	3031161600111	1.01	1.16	1.36	4.04	2.33	10	40	22.2 lbs.
1-1/8	3031181800111	1.14	1.29	1.45	4.29	2.54	10	40	27.8 lbs.
1-1/4	3031202000111	1.26	1.41	1.62	4.30	2.53	5	5	3.7 lbs.
1-3/8	3031222200111	1.39	1.54	1.75	4.54	2.75	5	5	4.9 lbs.

90° Street Elbows



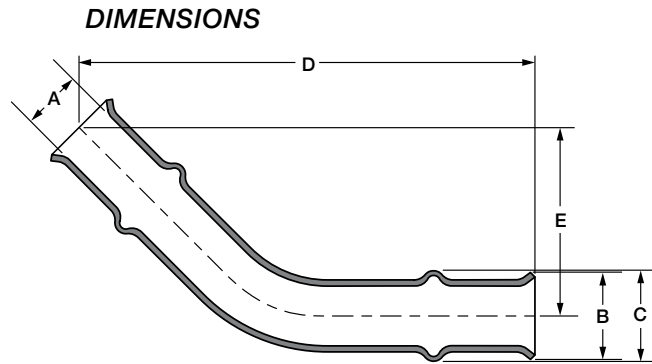
DIMENSIONS



Size (Inch)	Part Number	Dimensions (Inches)						Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D	E	F			
3/8	3501060600111	0.39	0.47	0.59	0.38	1.75	1.89	10	100	4.8 lbs.
1/2	3501080800111	0.51	0.59	0.73	0.50	2.56	2.65	10	100	9.2 lbs.
5/8	3501101000111	0.64	0.74	0.89	0.63	2.64	2.81	10	100	15.1 lbs.
3/4	3501121200111	0.76	0.88	1.07	0.75	3.00	3.15	10	40	9.2 lbs.
7/8	3501141400111	0.89	1.02	1.19	0.88	3.25	3.40	10	40	12.7 lbs.
1-1/8	3501181800111	1.14	1.29	1.45	1.13	3.80	3.93	10	40	22.1 lbs.
1-3/8	3501222200111	1.39	1.54	1.75	1.38	4.38	4.51	5	5	3.8 lbs.

ELBOWS/TEES

45° Elbows

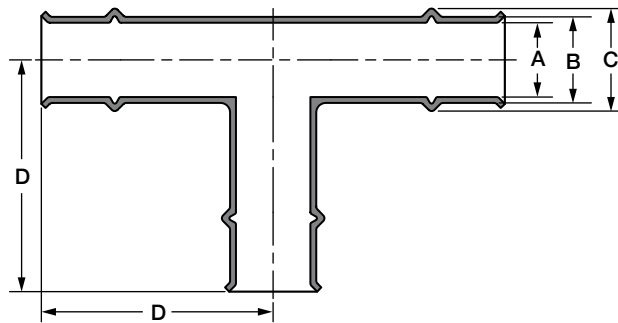


Size (Inch)	Part Number	Dimensions (Inches)					Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D	E			
3/8	3081060600111	0.39	0.56	0.59	2.94	1.21	10	100	5.8 lbs.
1/2	3081080800111	0.51	0.71	0.73	3.72	1.54	10	100	9.6 lbs.
5/8	3081101000111	0.64	0.86	0.88	3.97	1.64	10	100	15.9 lbs.
3/4	3081121200111	0.76	1.02	1.07	4.12	1.70	10	40	9.4 lbs.
7/8	3081141400111	0.89	1.13	1.19	4.49	1.86	10	40	12.7 lbs.
1-1/8	3081181800111	1.14	1.41	1.45	4.84	2.00	10	40	20.2 lbs.
1-3/8	3081222200111	1.39	1.68	1.75	5.11	2.11	5	5	3.8 lbs.

Tees



DIMENSIONS



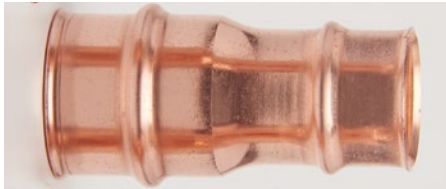
Size (Inch)	Part Number	Dimensions (Inches)				Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D			
3/8	3091060606111	0.39	0.47	0.59	1.63	10	100	8.4 lbs.
1/2	3091080808111	0.51	0.59	0.72	2.23	10	100	26.4 lbs.
5/8	3091101010111	0.64	0.74	0.87	2.30	10	100	26.8 lbs.
3/4	3091121212111	0.76	0.88	1.05	2.38	10	40	15.0 lbs.
7/8	3091141414111	0.89	1.02	1.19	2.43	10	40	20.3 lbs.
1	3091161616111	1.01	1.16	1.36	2.59	10	40	23.7 lbs.
1-1/8	3091181818111	1.14	1.29	1.45	2.56	10	40	30.4 lbs.
1-1/4	3091202020111	1.26	1.41	1.62	3.36	5	5	4.7 lbs.
1-3/8	3091222222111	1.39	1.54	1.75	3.36	5	5	5.3 lbs.

REDUCERS/REDUCING BUSHINGS

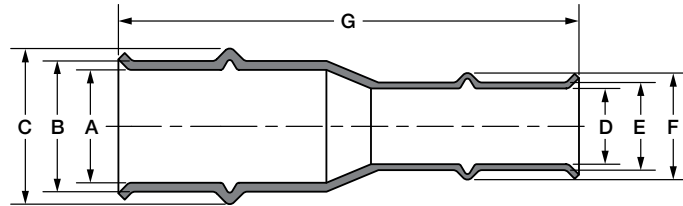


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Reducers



DIMENSIONS

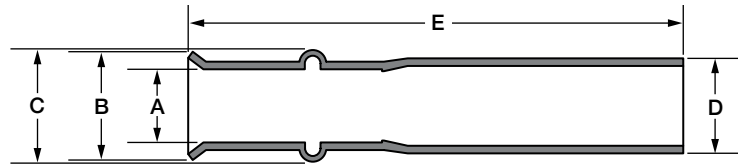


Size (Inch)	Part Number	Dimensions (Inches)							Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D	E	F	G			
3/8 to 1/4	3051060400111	0.39	0.47	0.59	0.26	0.34	0.45	2.24	10	100	3.8 lbs.
1/2 to 1/4	3051080400111	0.51	0.59	0.73	0.26	0.34	0.45	2.71	10	100	5.0 lbs.
1/2 to 3/8	3051080600111	0.51	0.59	0.73	0.39	0.47	0.58	2.58	10	100	5.5 lbs.
5/8 to 1/4	3051100400111	0.64	0.74	0.89	0.26	0.34	0.45	2.70	10	100	7.9 lbs.
5/8 to 3/8	3051100600111	0.64	0.74	0.89	0.39	0.47	0.58	2.70	10	100	8.1 lbs.
5/8 to 1/2	3051100800111	0.64	0.74	0.87	0.51	0.59	0.72	3.10	10	100	8.7 lbs.
3/4 to 1/2	3051120800111	0.76	0.88	1.05	0.51	0.59	0.72	3.10	10	40	4.7 lbs.
3/4 to 5/8	3051121000111	0.76	0.88	1.05	0.64	0.74	0.87	3.00	10	40	5.2 lbs.
7/8 to 1/2	3051140800111	0.89	1.02	1.19	0.51	0.59	0.72	3.05	10	40	5.6 lbs.
7/8 to 5/8	3051141000111	0.89	1.02	1.19	0.64	0.74	0.87	3.05	10	40	6.6 lbs.
7/8 to 3/4	3051141200111	0.89	1.02	1.19	0.76	0.88	1.05	3.11	10	40	7.3 lbs.
1 to 7/8	3051161400111	1.01	1.16	1.37	0.89	1.02	1.19	3.09	10	40	9.1 lbs.
1-1/8 to 1/2	3051180800111	1.14	1.29	1.45	0.51	0.59	0.72	3.25	10	40	8.1 lbs.
1-1/8 to 5/8	3051181000111	1.14	1.29	1.45	0.64	0.74	0.87	3.25	10	40	9.0 lbs.
1-1/8 to 3/4	3051181200111	1.14	1.29	1.45	0.76	0.88	1.05	3.18	10	40	9.6 lbs.
1-1/8 to 7/8	3051181400111	1.14	1.29	1.45	0.89	1.02	1.19	3.10	10	40	9.9 lbs.
1-3/8 to 7/8	3051221400111	1.39	1.54	1.75	0.89	1.02	1.19	3.66	12	24	7.9 lbs.
1-3/8 to 1-1/8	3051221800111	1.39	1.54	1.75	1.14	1.29	1.45	3.34	12	24	8.2 lbs.

Reducing Bushings



DIMENSIONS



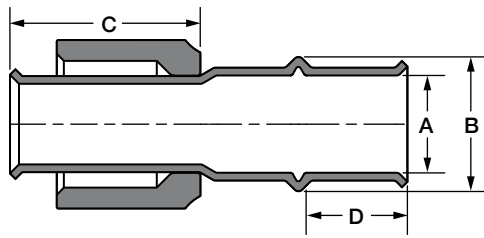
Size (Inch)	Part Number	Dimensions (Inches)					Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D	E			
1/2 to 3/8	3521080600111	0.39	0.56	0.59	0.50	2.50	10	100	4.6 lbs.
5/8 to 1/2	3521100800111	0.51	0.68	0.72	0.63	2.95	10	100	7.3 lbs.
3/4 to 5/8	3521121000111	0.64	0.84	0.87	0.75	2.98	10	40	4.4 lbs.
7/8 to 3/4	3521141200111	0.76	1.02	1.05	0.88	3.04	10	40	5.9 lbs.
1-1/8 to 7/8	3521181400111	0.89	1.10	1.19	1.13	3.06	10	40	8.5 lbs.
1-3/8 to 1-1/8	3521221800111	1.14	1.40	1.45	1.38	3.12	12	24	7.0 lbs.

FLARES/CAPS

SAE/Euro Flares



DIMENSIONS

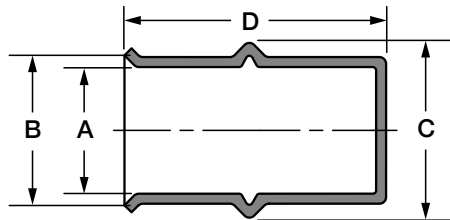


Size (Inch)	Part Number	Dimensions (Inches)				Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D			
1/4	3291040000111	0.26	0.45	1.38	0.56	10	100	2.5 lbs.
3/8	3291060000111	0.39	0.59	1.38	0.58	10	100	3.7 lbs.
1/2	3291080000111	0.51	0.72	1.13	0.75	10	100	5.9 lbs.
5/8	3291100000111	0.64	0.87	1.48	0.75	10	40	3.6 lbs.
3/4	3291120000111	0.76	1.05	1.48	0.80	10	40	5.2 lbs.

Caps



DIMENSIONS



Size (Inch)	Part Number	Dimensions (Inches)				Box Quantity	Carton Quantity	Carton Weight
		A	B	C	D			
1/4	3071040000111	0.26	0.34	0.45	1.45	10	100	1.8 lbs.
5/16	3071050000111	0.32	0.40	0.52	1.45	10	100	2.3 lbs.
3/8	3071060000111	0.39	0.47	0.59	1.45	10	100	2.6 lbs.
1/2	3071080000111	0.51	0.59	0.72	1.97	10	100	5.1 lbs.
5/8	3071100000111	0.64	0.74	0.87	1.98	10	100	6.9 lbs.
3/4	3071120000111	0.76	0.88	1.05	1.97	10	40	3.8 lbs.
7/8	3071140000111	0.89	1.02	1.19	1.90	10	40	4.9 lbs.
1	3071160000111	1.01	1.16	1.36	2.00	10	40	7.2 lbs.
1-1/8	3071180000111	1.14	1.29	1.45	1.99	10	40	7.8 lbs.
1-1/4	3071200000111	1.26	1.41	1.62	2.50	12	24	6.5 lbs.
1-3/8	3071220000111	1.39	1.54	1.75	2.49	12	24	7.2 lbs.

ANCILLARY PRODUCTS

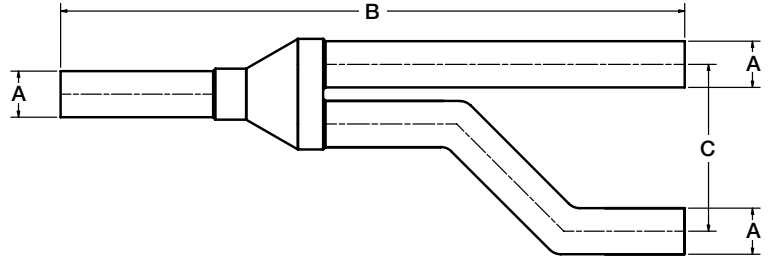
ODM products are compatible with RLS fittings.



Original. Patented. Proven.

ODM Y-Joints

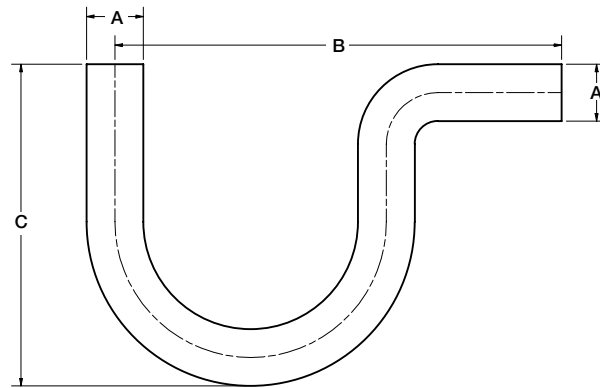
DIMENSIONS



Size (Inch)	Part Number	Dimensions (Inches)			Box Quantity	Carton Quantity
		A	B	C		
3/8	3771060606111	0.38	7.56	2.36	2	44
1/2	3771080808111	0.50	8.94	2.48	2	44
5/8	3771101010111	0.63	9.45	2.60	2	42
3/4	3771121212111	0.75	10.16	2.72	2	24
7/8	3771141414111	0.88	12.09	2.87	2	24
1-1/8	3771181818111	1.13	13.11	3.54	1	10
1-3/8	377122222111	1.38	14.92	4.06	1	10

ODM P-Traps

DIMENSIONS



Size (Inch)	Part Number	Dimensions (Inches)			Box Quantity	Carton Quantity
		A	B	C		
1/2	3761080800111	0.50	5.12	3.54	2	80
5/8	3761101000111	0.63	5.12	3.62	2	80
3/4	3761121200111	0.75	5.91	4.25	2	38
7/8	3761141400111	0.88	6.69	4.65	2	38
1-1/8	3761181800111	1.13	8.27	5.98	2	10
1-3/8	3761222200111	1.38	10.24	7.48	2	10

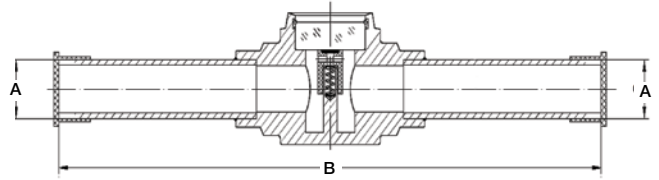
ANCILLARY PRODUCTS

ODM products are compatible with RLS fittings.

ODM Sight Glasses



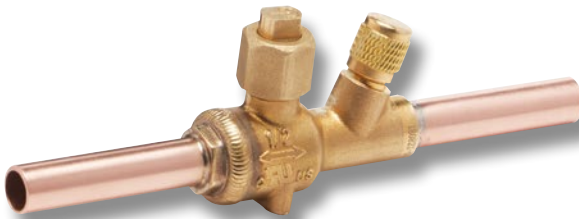
DIMENSIONS



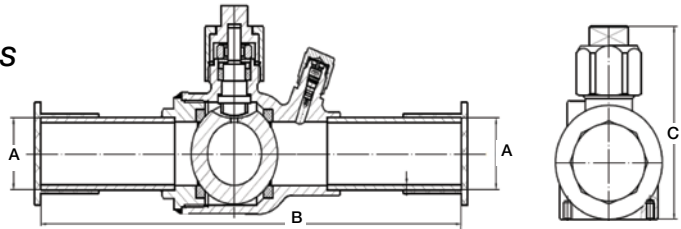
Size (Inch)	Part Number	Dimensions (Inches)		Box Quantity	Carton Quantity
		A	B		
1/4	3781040400111	0.25	4.02	1	100
3/8	3781060600111	0.37	4.69	1	100
1/2	3781080800111	0.50	6.10	1	100
5/8	3781101000111	0.63	6.14	1	50
3/4	3781121200111	0.75	6.34	1	50
7/8	3781141400111	0.88	6.57	1	50
1-1/8	3781181800111	1.13	7.56	1	30

ODM Ball Valves

(Bi-Directional with Schrader valves)



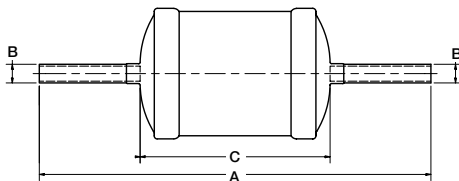
DIMENSIONS



Size (Inch)	Part Number	Dimensions (Inches)			Box Quantity	Carton Quantity
		A	B	C		
1/4	3791040400111	0.25	6.75	2.02	1	40
3/8	3791060600111	0.37	6.34	2.02	1	40
1/2	3791080800111	0.50	6.56	2.02	1	40
5/8	3791101000111	0.63	6.77	2.30	1	40
3/4	3791121200111	0.75	6.99	2.60	1	30
7/8	3791141400111	0.88	7.24	2.60	1	30
1-1/8	3791181800111	1.13	8.16	3.27	1	30
1-3/8	3791222200111	1.37	9.00	3.88	1	24

ODM Filter Driers

DIMENSIONS



Size (Inch)	Part Number	Desiccant (Cubic Inches)	Dimensions (Inches)			Box Quantity	Carton Quantity
			A	B	C		
3/8 Liquid Line	3821060600111	8	7.95	0.38	3.90	1	30
3/8 Liquid Line	3831060600111	16	8.86	0.38	4.80	1	30
1/2 Liquid Line	3831080800111	16	8.94	0.50	4.80	1	30
3/8 Liquid Line Bi-Directional	3921060600111	8	7.87	0.38	3.82	1	30
3/8 Liquid Line Bi-Directional	3931060600111	16	8.66	0.38	4.61	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® 19 kN Crimping Tool

Benefits:

- Lightweight design increases productivity
- Short pressing cycle, 10 seconds or less
- Compact design and 350° jaw rotation allows technician to install in tight spaces
- Automatic piston return
- Safety feature that lets the crimp cycle be interrupted, allowing for manual release of the piston, if needed
- High-quality, powerful Makita Li-Ion technology provides 100-150 crimps per charge, with charging time of just 15 minutes (2.0 Ah)
- Tool service indicated via imbedded LEDs, illuminates at 10,000 cycles

Features:

- Crimping Force:** 19 kN
- Minimum Crimp Pressure:** 525 bar/7,613 psi
- Number of Crimps:** 2.0 Ah approx. 150 (for NS20)
- 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)
- Jaw Holder:** Swivels through 350°
- 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
- Diagnostics:**
 - PGA 1 Compatible - Yes
 - i-press Software Compatible - Yes



The compact, yet high-powered, Klauke 19 kN crimping tool crimps fittings in less than 10 seconds.



KJ Series Jaws

KJ Series Jaws are available in 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4" and 1-3/8" sizes.

Klauke® Tools and Jaws



Tool Kit (No Jaws)

Includes the Klauke 19kN Crimping Tool, 2 Lithium-ion Batteries, a Battery Charger, and the Accessory Kit (contents listed below) in a hard plastic carrying case.

Part number: 399011190001

Tool Kit with 3-Jaw Set

Includes the Klauke 19kN Crimping Tool, 2 Lithium-ion Batteries, a Battery Charger, 3 Jaws (3/8", 1/2", 7/8"), and the Accessory Kit (contents listed below) in a hard plastic carrying case.

Part number: 399011190301



Tool Kit with 5-Jaw Set

Includes the Klauke 19kN Crimping Tool, 2 Lithium-ion Batteries, a Battery Charger, 5 Jaws (3/8", 1/2", 5/8", 7/8", 1-1/8"), and the Accessory Kit (contents listed below) in a hard plastic carrying case.

Part number: 399011190501

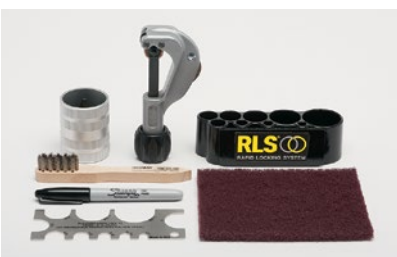
Jaw Set

Includes 8 Jaws (1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8", 1-3/8") in a hard plastic carrying case.

Part number: 399031190801



Individual jaws are also available in all fitting sizes, 1/4" through 1-3/8".



Accessory Kit:

- Tubing Cutter
- Deburring Tool
- RLS Crimp Gauge
- Brush
- RLS Depth Gauge
- Abrasive Pad
- Permanent Marker

RIDGID® Jaws

RIDGID introduced plumbers to pressing nearly 20 years ago, and they take their industry leadership position seriously. The same is true of RLS. That's why we're proud to also partner with RIDGID to offer jaws for use with various RIDGID press tools that are compatible with RLS Press Fittings.



RIDGID 8-Jaw Set

The RIDGID 8-Jaw Set comes in a hard plastic carrying case and includes a tube cutter, deburring tools, crimp 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. Part number: 399032000801



RLS-Compatible RIDGID Tools

RIDGID press tools are sold through RIDGID distributors, available in lightweight pistol-grip and inline models. RLS jaws are compatible with the following RIDGID press tools: RP 240, RP 241, RP 200, RP 210, and RP 100 models.

TECHNICAL DATA

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 x 10⁻⁷ Pa•m³/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

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 Use with Klauke® 19 kN and RIDGID® Compatible Jaws:
Hard Copper (Drawn)
 - 1/4" – 1-3/8" Type ACR, M, L, K Soft Copper (Annealed)
 - 1/4" – 1-3/8" Type ACR, L, K
- Approved Copper Tubing Types for Use with Klauke® 15 kN Compatible Jaws:
Hard Copper (Drawn)
 - 1/4" – 1-1/8" Type ACR, M, L
 - Type K Only Up to 7/8"Soft Copper (Annealed)
 - 1/4" – 1-1/8" Type ACR, L
 - Type K Only Up to 7/8"

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 Part C)
- ICC-ES, PMG-1296
- International Mechanical Code (IMC) 2018, 2015, 2012, 2009, 2006
- International Residential Code (IRC) 2018, 2015, 2012, 2009, 2006
- Uniform Mechanical Code (UMC) 2018, 2015, 2012, 2009, 2006
- CRN Approved (#0A18303).5C

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
- 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

 **WARNING:** Some of our ancillary products can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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