

STREAMLINE ACR COPPER PRESS FITTING CONNECTION SYSTEM



WITH T.R.A.P
TECHNOLOGY

 **KEMBLA**

Streamline®

ACR COPPER
PRESS FITTINGS

It's the safest bet. Double or Nothing.

Renowned copper manufactures MM Kembla & Mueller Industries have combined nearly 200 years of manufacturing experience to bring the Streamline ACR Press Fitting system to the Australian market.

Streamline ACR Press Fittings

Are the highest quality, flame-free connection system solution utilising T.R.A.P. Technology designed specifically for refrigerant piping systems.

- Available in diameters ranging from 1/4" to 1-1/8" OD
- Industry's only press fitting with T.R.A.P. Technology, featuring DualSeal™ Ring Design
- Similar patterns and lay lengths as traditional braze copper fittings
- Compatible with R410A and other commonly used refrigerant gases and oils
- Jaws compatible with leading full-size press tools on the market.

15 Year Warranty

Streamline ACR Press Fittings are backed by a 15 Year Manufacturing Warranty.

STREAMLINE APPLICATIONS

Commercial and Residential HVAC
Heat Pumps
VRV/VRF & Split System Air Conditioning
Light Commercial Refrigeration
Ethylene Glycol



TUBE COMPATIBILITY

AS1571
REFRIGERATION
TUBE

CONTINUOUS OPERATING PRESSURE

4,800 kPa
700 PSI

CONTINUOUS OPERATING TEMPERATURE

-40 to 121°C

BURST PRESSURE

14,400 kPa
2,100 PSI

VACUUM PRESSURE

200 Microns

HELIUM LEAK TIGHTNESS

≤ 7.5 X 10⁻⁷
Pa.m³/s at 20°C

SUITABLE REFRIGERANTS

R410A, R134A,
R404A, 4407A
+ MORE R32,
R45B & A2L'S

NOT SUITABLE
For R22 or CO₂

APPROVALS & CERTIFICATIONS

UL 207
(License SA 44401)
UL 1963
International Mechanical Code (IMC)
Uniform Mechanical Code (UMC)
ASHRAE 15
ASME B31.5
CSA C22.2



DUALSEAL™ RING DESIGN

Two specially engineered HNBR Elastomer sealing O-Rings operate in tandem to provide 200% more surface contact and sealing area.



TRILOCK™ PRESS BARRIER

Three distinct mechanical connection points create superior joint strength and pressure handling capabilities.



TRAPZONE™ LEAK BARRIER

Precise spacing between the two pressed sealing rings acts as a barrier for refrigerant molecules to ensure leak protection.



WITH T.R.A.P. TECHNOLOGY

What is Streamline T.R.A.P. Technology?

T.R.A.P. (Two Ring Advanced Press) technology provides superior sealing, leak protection, and joint strength by using innovative firsts in the world of flame-free joining for air conditioning and refrigeration piping systems.



FORCE360™ PRESS CONTOUR

Circular press design for the most uniform compression and sealing with minimal tube deformation.

DUALSEAL™ O-RING DESIGN

Two specially engineered HNBR Elastomer sealing O-Rings operate in tandem to provide 200% more surface contact and sealing area.

- HNBR Elastomer
- Proprietary engineered seal profile
- Improved ability to seal tube imperfections
- Only press fitting with primary & secondary seals
- Inspired by Mueller Refrigeration double O-ring valve stem design
- Increases surface contact by more than 200%.



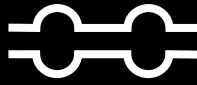
TRAPZONE™ LEAK BARRIER

Precise spacing between the two pressed sealing rings acts as a barrier for refrigerant molecules to ensure leak protection.

- Refrigerant molecules are small and notoriously hard to contain
- Primary seal design to contain all refrigerant molecules
- Secondary seal for greater confidence and reliability
- Creates a barrier zone for any escaped refrigerant molecules
- Only design on the market that caters for the smaller molecular structure between refrigeration systems and plumbing systems.



TRI-LOCK[™] PRESS PROFILE

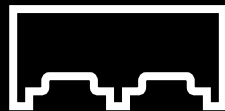


Three distinct mechanical connection points create superior joint strength and pressure handling capabilities.

- Industry first triple-crimp design
- 3 distinct mechanical connection points
- Superior joint strength, pull out strength and structural integrity
- Aided by an extra deep cup design.



FORCE360[™] PRESS CONTOUR









Developed in partnership with hydraulic press tool leaders Novopress (manufacturers of the KemPress press tool).

- Circular press design for the most uniform compression and sealing
- Stronger, leak-free connection for smaller refrigeration molecules than traditional hexagonal refrigeration press designs.



PRODUCT RANGE
**STREAMLINE
ACR FITTINGS**

	Diameter (Inches)	Kembla Code	Bag Quantity
Coupling 	1/4"	J62600	5
	3/8"	J62601	5
	1/2"	J62602	5
	5/8"	J62603	5
	3/4"	J62604	2
	7/8"	J62605	2
	1-1/8"	J62607	2
Elbow 90 Degree 	1/4"	J62618	5
	3/8"	J62619	5
	1/2"	J62620	5
	5/8"	J62621	3
	3/4"	J62622	3
	7/8"	J62623	3
Reducer F+F 	3/8 x 1/4"	J62643	5
	1/2 x 3/8"	J62644	5
	5/8 x 1/2"	J62646	2
	3/4 x 5/8"	J62649	2
	7/8 x 3/4"	J62652	2
	1-1/8 x 7/8"	J62655	1
Equal Tee 	3/8"	J62672	5
	1/2"	J62673	5
	5/8"	J62674	2
	3/4"	J62675	2
	7/8"	J62676	2
	1-1/8"	J62678	1
End Cap 	1/4"	J62680	5
	3/8"	J62681	5
	1/2"	J62682	5
	5/8"	J62683	2
	3/4"	J62684	2
	7/8"	J62685	2
	1-1/8"	J62687	1
Flare Adaptor (FLR SAE) 	1/4"	J62690	5
	3/8"	J62691	5
	1/2"	J62692	5
	5/8"	J62693	2
	3/4"	J62694	2

TOOLING RANGE
**STREAMLINE
ACR TOOLING**
**KPL3 32KN STREAMLINE
ACR PRESS KIT 1/4" - 7/8"**

**Items
Included**

KemPress KPL3 32kN Tool
2 x 18V/2.0AH Li-ion Batteries
1 X 240V 12/18V Multi Volt Battery Charger
Carry Case x 2
1/4" Streamline ACR Press Jaw
3/8" Streamline ACR Press Jaw
1/2" Streamline ACR Press Jaw
5/8" Streamline ACR Press Jaw
3/4" Streamline ACR Press Jaw
7/8" Streamline ACR Press Jaw
Streamline ACR Press Gauge

**Kembla
Code**

J62800

**KPL3 32KN STREAMLINE
ACR PRESS TOOL (NO JAWS)**


KemPress KPL3 32kN Tool
2 x 18V/2.0AH Li-ion Batteries
1 X 240V 12/18V Multi Volt Battery Charger
Carry Case

J09615

**STREAMLINE ACR KPL3
JAW KIT 1/4 - 7/8" (6 JAWS)**


1/4" Streamline ACR Press Jaw KPL3
3/8" Streamline ACR Press Jaw
1/2" Streamline ACR Press Jaw
5/8" Streamline ACR Press Jaw
3/4" Streamline ACR Press Jaw
7/8" Streamline ACR Press Jaw
Carry Case

J62810

**STREAMLINE ACR KPL3
1-1/8" COLLAR & ADAPTOR
JAW KIT**


1-1/8" Streamline ACR Press Collar KPL3
Streamline ACR Adaptor Jaw KPL3
Carry Case

J62811



JAWS


1/4" Streamline ACR Press Jaw KPL3	J62802
3/8" Streamline ACR Press Jaw	J62803
1/2" Streamline ACR Press Jaw	J62804
5/8" Streamline ACR Press Jaw	J62805
3/4" Streamline ACR Press Jaw	J62806
7/8" Streamline ACR Press Jaw	J62807
1-1/8" Streamline ACR Press Collar KPL3	J62808
Streamline ACR Adaptor Jaw KPL3	J62809


BATTERIES & ACCESSORIES

KPL3 18V Li-ion 2.0Ah Battery	J62816
KPL3 12V/18V Multi Volt Tool Charger	J62831

CERTIFICATION, TESTING & VALIDATION

PRESSURE RATING	UL 207 – Standard for Refrigerant-Containing Components & Accessories
HELIUM LEAK RATE	ISO 14903 – Maximum Helium Leak Rate of 0.1 oz. per year 7.4 Tightness Test 7.6 Pressure Temperature Vibration Tests (PTV) 7.8 Freezing Tests
VACUUM CAPABILITY	200 Microns
PULL-OUT RESISTANCE	UL 109 (7. Pull Test) – Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use
VIBRATION RESISTANCE	UL 109 (8. Vibration Test) – Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use
REFRIGERATION COMPATIBILITY	UL 1963 – Standard for Refrigerant Recovery/Recycling Equipment
REFRIGERATION COMPATIBILITY	R410 Heat Pump
APPROVAL & CERTIFICATIONS	<ul style="list-style-type: none"> UL 207 – License SA 44401 UL 1963 International Mechanical Code (IMC) Uniform Mechanical Code (UMC) ASHRAE 15 ASME B31.5 CSA C22.2  

APPROVED REFRIGERANTS

REFRIGERANT TYPE	R-125, R-134a, R-32, 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-447B, R-448A, R-449A, R-450A, R-452A, R-452B, R-452C, R-454A, R-454B, R-454C, R-457A, R-459A, R-507A, R-513A, R-513B, R-718, R-32, R-1234ze, R-1234yf, R-290 & R-600A.	
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APPROVED OILS

OIL TYPE	MINERAL OIL, POE, PVE, PAO, PAG, & AB
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**ACR COPPER
PRESS FITTINGS**

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D78/23

**IT'S THE
SAFEST BET.
DOUBLE OR NOTHING.**