

Streamline[®]

SANHA[®]
a perfect fit



NEW
up to 48 bar!

ACR Copper Press

Press fittings for HVACR applications

Press fittings for HVACR applications

ACR Copper Press fittings for modern refrigeration and cooling (HVACR) applications combine a wide range of unique design features and offer a **high degree of safety** while at the same time being easy and quick to install. Now, Mueller Streamline and SANHA® are joining forces to bring this innovative product to the European market. Not just one, but two seals on each side provide double safety for the connection. Their engineered design results in 200 % more surface contact. The precisely engineered distance between the sealing rings creates a trap zone that acts as a further barrier for refrigerant molecules and ensures extra leak protection. Last but not least, the clear and unmistakable design avoids confusion with other fittings.

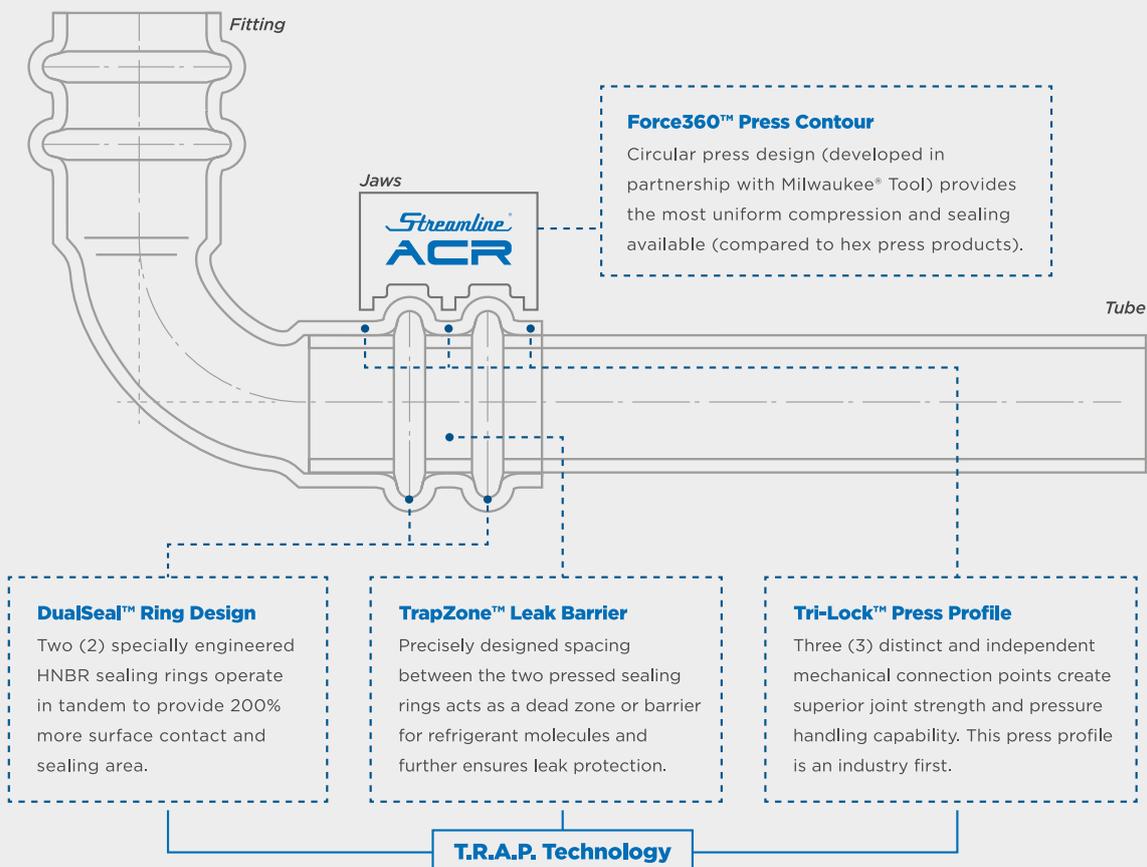
Why two seals? Refrigerant molecules are notoriously hard to contain because of their small size. Thus, the team developed the industry-first DualSeal™ design. The second sealing ring as well as the space between them act as a secondary sealing mechanism. The result is an HVACR press system providing a level of leak resistance unlike any other.



All advantages at a glance

- Only fitting with primary and secondary seals, or DualSeal™ technology
- Extensive range of fittings for modern refrigeration and cooling applications
- Compatible with R410A, R32 and many other gases in use
- Available in sizes 1/4" - 1 3/8"
- Comparable installation lengths to conventional solder fittings
- Only fitting with three press points for a more durable joint and structural integrity
- Special jaws and slings available
- Press machines with 32 kN (e.g. Novopress can be used. Please contact our Technical Department for information on other machines.)
- Clear marking, no confusion with other fittings
- Extra round pressing pattern
- High security against refrigerant leakage
- Various Revit formats and CADmep available
- Packaged in clean, clear resealable bags and convenient pack quantities

Contact us today:
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32001A Elbow 90° 1M
Press end / insertion end

Article no.	Dimension (inch)	Piece/Bag
132001A14	1/4	5
132001A38	3/8	5
132001A12	1/2	5
132001A58	5/8	3
132001A34	3/4	3
132001A78	7/8	3
132001A118	1 1/8	2
132001A138	1 3/8	1



32002A Elbow 90° 2M Press end

Article no.	Dimension (inch)	Piece/Bag
132002A14	1/4	5
132002A38	3/8	5
132002A12	1/2	5
132002A58	5/8	3
132002A34	3/4	3
132002A78	7/8	3
132002A118	1 1/8	2
132002A138	1 3/8	1



32041 Elbow 45° 2M Press end

Article no.	Dimension (inch)	Piece/Bag
13204114	1/4	5
13204138	3/8	5
13204112	1/2	5
13204158	5/8	3
13204134	3/4	3
13204178	7/8	3
132041118	1 1/8	2
132041138	1 3/8	1



32130 Tee 3M Press end

Article no.	Dimension (inch)	Piece/Bag
13213038	3/8	5
13213012	1/2	5
13213058	5/8	2
13213034	3/4	2
13213078	7/8	2
132130118	1 1/8	1
132130138	1 3/8	1



8WNO4949 PB2 Press jaw

Article no.	Dimension (inch)
8WNO49491-50	1/4
8WNO49492-50	3/8
8WNO49493-50	1/2
8WNO49494-50	5/8
8WNO49495-50	3/4
8WNO49496-50	7/8



8WNO4951 PSL Press sling

Article no.	Dimension (inch)
8WNO49516-50	1 3/8



8WNO4361
Intermediate jaw ZB203

Article no.	Dimension (inch)
8WNO43610-05	1 3/8



SET AC0203 BT
Press machine, 5 Ah/230 V

Article no.
WNO4715480-05



4994
Insertion depth tool

Article no.
84994



32240 Coupling reducing Press end

Article no.	Dimension (inch)	Piece/Bag
1322403814	3/8 x 1/4	5
1322401238	1/2 x 3/8	5
1322405838	5/8 x 3/8	5
1322405812	5/8 x 1/2	2
1322403458	3/4 x 5/8	2
1322407834	7/8 x 3/4	2
13224011858	1 1/8 x 5/8	1
13224011834	1 1/8 x 3/4	1
13224011878	1 1/8 x 7/8	1
13224013858	1 3/8 x 5/8	1
13224013834	1 3/8 x 3/4	1
13224013878	1 3/8 x 7/8	1



32270 Coupling Press end

Article no.	Dimension (inch)	Piece/Bag
13227014	1/4	5
13227038	3/8	5
13227012	1/2	5
13227058	5/8	5
13227034	3/4	2
13227078	7/8	2
132270118	1 1/8	2
132270138	1 3/8	1



32301 Cap Press end

Article no.	Dimension (inch)	Piece/Bag
13230114	1/4	5
13230138	3/8	5
13230112	1/2	5
13230158	5/8	2
13230134	3/4	2
13230178	7/8	2
132301118	1 1/8	1
132301138	1 3/8	1



32359 Flare Press end

Article no.	Dimension (inch)	Piece/Bag
13235914	1/4	5
13235938	3/8	5
13235912	1/2	5
13235958	5/8	2
13235934	3/4	2



ACR Copper Press Fittings

System parameters

Product Description:

- For use in HVACR and VRF applications
- Available sizes ranging from 1/4" to 1 3/8" in outside diameter
- Hard-drawn copper tube from 1/4" to 1 3/8"
Soft (annealed) copper tube up to 7/8"
- ACR press jaws and slings available.
Press machine must have at least 32 kN.*
- UL certification

Material:

- Comprised of a mechanical press copper fitting (CU-DHP / CW0024A with min. 99.9% pure copper for the body)
- Engineered HNBR sealing rings

Operating Parameters:

- **Continuous Operating Pressure:** max. 48 bar
- **Operating temperature:** -40 – 120 °C

Approvals & Certifications:

- **ISO 5149-2** 5.3.2.2.3 Strength Pressure Test
- **ISO 14903** Maximum Helium Leak Rate of 28 g per Year – 7.4 Tightness Test – 7.6 Pressure Temperature Vibration Tests (PTV) – 7.8 Freezing Test

Approved Applications:

- **Air Conditioning**
- **Heat Pump**
- **VRF and VRV**
- **Non-Potable Water**
- **Ethylene Glycol**
- **other applications on demand**

Please contact us for other applications or details.

Leak Tightness:

- Helium $\leq 7.5 \times 10^{-7}$ Pa · m³/s at 20°C and 10 bar

Approved Refrigerants**:

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-1234ze, R-1234yf, R-290, R-600A

Approved Oils:

Mineral Oil, POE, PVE, PAO, PAG, and AB

* Please contact our Technical Support for more information on press machines at +49 2054 925 170 | info@sanha.com

** Please consult the latest version of Regulation (EU) No 517/2014 of the European Parliament and of the Council on fluorinated greenhouse gases as well as your respective national legislation regarding allowed refrigerants.

Tube Compatibility Table

Fitting Size (Inch)	Pipe size (mm)	Insertion Depth (inch)	Normal Wall Thickness (mm) – EN12735-1, AS/NZS 1571, ASTM B280, ASTM B88											
			0.64	0.71	0.76	0.80 0.81	0.89 0.90 0.91	1.00 1.02	1.07	1.14	1.22	1.24 1.25 1.27	1.40	1.63 1.65
1/4	6.35	1	■	●■	●■	●■	●■	●■						
3/8	9.35	1 1/16			●■	●■	●■	●■						
1/2	12.70	1 3/16				●■	●■	●■			■	●■		
5/8	15.88	1 5/16				●■	●■	●■		●	■	●■		
3/4	19.05	1 3/8				●■	●■	●■	●■	●■	●■	●■		
7/8	22.23	1 7/16				■	■	●■		●■	■	■	■	●■
1 1/8	28.58	1 1/2					■	■			■	■		■
1 3/8	34.93	1 5/8											■	■

● Annealed coil ■ Straight tube Half hard / Hard

responsible
sustainable
fair.

A partner you can trust

SANHA[®] offers convincing advantages



As a family-owned company since 1964, we have been following a simple principle for many decades: every pipe and every fitting must offer the customer added value in terms of safety and practical benefits at fair prices – sustainably, of course. This is our aim, our claim and at the same time the best recommendation from our satisfied customers.

As a specialist for piping systems, we offer a unique range of products for all common connection technologies and applications as a one-shop solution. Proven techniques are just as much part of our programme as well as practical new developments.

Therefore: SANHA. Always a perfect fit!

Your advantages:

Always a perfect fit Our customers are central to all our activities. As a family enterprise, SANHA highly values an active close and long-term relationship with all our partners, from designers, installers, contractors and trading companies. With decades of experience in the market, we are committed to close support of our customers, with a highly experience local and international technical service.

Large product range SANHA offers a wide range of materials, products and dimensions, multiple connection methods as well as significant expertise and experience – all from a one stop shop.

Nationwide technical service SANHA is pleased to offer a wide range of services from installation training, online seminars, design advice, planning service, specifications and on-site support as and when required.

For what is yet to come With an active CSR and sustainability strategy, we help to protect our climate and environment, promote sports and culture and are always respectful with our employees and partners.

