



A CSW Industrials Company

PRODUCT DATA SHEET

**PRO-FIT™ QUICK CONNECT**  
Push-to-Connect Refrigerant Fittings

**Description**

PRO-Fit Quick Connect push-to-connect refrigerant fittings quickly connect copper and coated aluminum linesets for mini-split and unitary HVAC units. With no flaring or brazing involved, refrigerant lines can be securely and safely connected by PRO-Fit Quick Connect in various environments.

The unique, leak-proof double O-rings sealing design creates a permanent high pressure gas seal that prevents connection leaks caused by galling, vibration, pulsation and extreme temperature changes.

**Packaging**

NOTE: The units are individually sealed to allow for resale by a distributor.

Code	Description	Qty per Case	Lbs per Case	Cubic Feet
87018	1/4" Union	10	1.45	0.04
87019	3/8" Union	10	1.85	0.04
87020	1/2" Union	10	2.15	0.06
87021	5/8" Union	10	2.25	0.06
87022	3/4" Union	10	3.95	0.13
87023	7/8" Union	10	4.15	0.13
87024	1/4" Elbow	10	1.45	0.04
87025	3/8" Elbow	10	2.15	0.04
87026	1/2" Elbow	10	2.35	0.06
87027	5/8" Elbow	10	2.75	0.06
87028	3/4" Elbow	10	4.45	0.13
87029	7/8" Elbow	10	4.55	0.13
87030	1/4" to 3/8" Reducer	10	1.55	0.04
87031	3/8" to 1/2" Reducer	10	1.85	0.06
87032	1/2" to 5/8" Reducer	10	2.15	0.06
87033	1/4" to 3/8" Elbow Reducer	10	1.75	0.04
87034	3/8" to 1/2" Elbow Reducer	10	2.25	0.06
87035	1/2" to 5/8" Elbow Reducer	10	2.55	0.06
87036	1/4" Socket	10	1.15	0.04
87037	3/8" Socket	10	1.65	0.04
87038	1/2" Socket	10	1.85	0.06
87039	5/8" Socket	10	1.95	0.06
87042	1/4" Valve	5	1.15	0.04
87043	3/8" Valve	5	1.75	0.04
87044	1/2" Valve	5	2.30	0.06
87045	5/8" Valve	5	2.55	0.06
87050	1/4" - 5/8" Support Kit Line Marking Tool & Disconnect Clips	5	2.50	.13
87051	3/4" - 7/8" Support Kit Line Marking & Disconnect Tools	5	2.00	.13



**Applications**

- Flame-free fittings for connecting refrigerant lines
- For HVAC/R up to 870 psi (60 bar)
- Prevent refrigerant lineset leaks

**Recommended for**

- Residential use
- Mini-split HVAC units
- Unitary indoor coils
- Coated aluminum linesets

**Characteristics | Features**

- Quick and easy push-in
- Flame-free: no flaring or brazing needed
- Single-use with quick-release removal
- Robust brass body, durable & reliable
- Leak-proof double O-rings sealing
- Complete system with all sizes and configurations
- High tensile strength
- Vibration and impact resistant
- UV resistant
- Corrosion resistant
- Compatible with major refrigerants, including R22, R410a, R32, R452b and R454b
- Increased cup depth reduces angular deflection for straighter runs



## Instructions

### TO CONNECT FITTING:

1. Cut the Tube.
2. De-burr.
3. Use prep tool (sold separately), refer to chart to determine depth.
4. Mark insertion depth.
5. Push into fitting until grip ring securely clamps.
6. Gently pull on the tube to ensure proper seating.

Product Size	Insertion Depth	Recommended Torque Specifications
1/4" Fitting	1"	14 – 18 ft-lbs
3/8" Fitting	1-1/4"	24 – 30 ft-lbs
1/2" Fitting	1-1/4"	40 – 47 ft-lbs
5/8" Fitting	1-5/16"	46 – 59 ft-lbs
3/4" Fitting	1-1/2"	–
7/8" Fitting	1-9/16"	–

### TO DISCONNECT FITTING:

The refrigeration system must be isolated, or pumped down before disconnecting. Press the release with disconnect clip to remove tubing. Make sure that the fitting and tube are free from defects. The fitting and tubing should be free of damage, foreign object and marks on the outside diameter. Do not insert fingers in the grip ring inside the fitting.

**⚠ WARNING** This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

For additional technical information, call toll free 1-800-231-3345.

## Limited Warranty



For more information on our product limited warranty, visit [RectorSeal.com](http://RectorSeal.com)

Distributed by

**RectorSeal, LLC**

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## PRO-Fit Quick Connect - RectorSeal

SKU	Case Qty	Size and Dec	Interleaved	UPC	Weight	Dimensions
87044	5	PRO-Fit 1/2" Quick Connect Service Valve	10021449870440	021449870443	2.16	5.31 × 4.72 × 4.13 in
87042	5	PRO-Fit 1/4" Quick Connect Service Valve	10021449870426	021449870429	1.122	3.54 × 4.72 × 4.13 in
87043	5	PRO-Fit 3/8" Quick Connect Service Valve	10021449870433	021449870436	1.592	3.54 × 4.72 × 4.13 in
87045	5	PRO-Fit 5/8" Quick Connect Service Valve	10021449870457	021449870450	2.452	5.31 × 4.72 × 4.13 in
87018	10	PRO-Fit 1/4" Quick Connect Union	10021449870181	021449870184	1.492	3.54 × 4.72 × 4.13 in
87019	10	PRO-Fit 3/8" Quick Connect Union	10021449870198	021449870191	1.984	3.54 × 4.72 × 4.13 in
87020	10	PRO-Fit 1/2" Quick Connect Union	10021449870204	021449870207	2.43	5.31 × 4.72 × 4.13 in
87021	10	PRO-Fit 5/8" Quick Connect Union	10021449870211	021449870214	2.75	5.31 × 4.72 × 4.13 in
87022	10	PRO-Fit 3/4" Quick Connect Union	10021449870228	021449870221	5.056	10.63 × 4.72 × 4.13 in
87023	10	PRO-Fit 7/8" Quick Connect Union	10021449870235	021449870238	5.802	10.63 × 4.72 × 4.13 in
87024	10	PRO-Fit 1/4" Quick Connect 90 Elbow	10021449870242	021449870245	1.598	3.54 × 4.72 × 4.13 in
87025	10	PRO-Fit 1/4" Quick Connect 90 Elbow	10021449870259	021449870252	2.196	3.54 × 4.72 × 4.13 in
87026	10	PRO-Fit 3/8" Quick Connect 90 Elbow	10021449870266	021449870269	2.876	5.31 × 4.72 × 4.13 in
87027	10	PRO-Fit 5/8" Quick Connect 90 Elbow	10021449870273	021449870276	3.334	5.31 × 4.72 × 4.13 in
87028	10	PRO-Fit 3/4" Quick Connect 90 Elbow	10021449870280	021449870283	5.58	10.63 × 4.72 × 4.13 in
87029	10	PRO-Fit 7/8" Quick Connect 90 Elbow	10021449870297	021449870290	6.648	10.63 × 4.72 × 4.13 in
87030	10	PRO-Fit 1/4" to 3/8" Reducer Quick Connect	10021449870303	021449870306	1.786	3.54 × 4.72 × 4.13 in
87031	10	PRO-Fit 3/8" to 1/2" Reducer Quick Connect	10021449870310	021449870313	2.374	5.31 × 4.72 × 4.13 in
87032	10	PRO-Fit 1/2" to 5/8" Reducer Quick Connect	10021449870327	021449870320	2.916	5.31 × 4.72 × 4.13 in
87033	10	PRO-Fit 1/2" to 5/8" Reducer Quick Connect	10021449870334	021449870337	1.942	3.54 × 4.72 × 4.13 in
87034	10	PRO-Fit 3/8" to 1/2" Reducer Quick Connect	10021449870341	021449870344	2.64	5.31 × 4.72 × 4.13 in
87035	10	PRO-Fit 1/2" to 5/8" Elbow Reducer	10021449870358	021449870351	3.254	5.31 × 4.72 × 4.13 in
87036	10	PRO-Fit 1/4" Quick Connect Socket	10021449870365	021449870368	1.288	3.54 × 4.72 × 4.13 in
87037	10	PRO-Fit 3/8" Quick Connect Socket	10021449870372	021449870375	1.854	3.54 × 4.72 × 4.13 in
87038	10	PRO-Fit 1/2" Quick Connect Socket	10021449870389	021449870382	2.286	5.31 × 4.72 × 4.13 in
87039	10	PRO-Fit 5/8" Quick Connect	10021449870396	021449870399	2.866	5.31 × 4.72 × 4.13 in

SKU	Case Qty	Size and Dec	Interleaved	UPC	Weight	Dimensions
		Socket				in
87048	10	PRO-Fit Support Kit 1/4" - 5/8"	10021449870488	21449870481	1.83	5.31 × 4.72 × 4.13 in
87049	10	PRO-Fit Support Kit 3/4" - 7/8"	10021449870495	21449870498	0.674	3.54 × 4.72 × 4.13 in