

# ZoomLock® PUSH

## Push-to-Connect Refrigerant Fittings

No Torch. No Tools. No Problem.



Do you want a safer, cleaner, faster way to connect copper piping for air conditioning installs? With ZoomLock PUSH all you need to do is:

- Prepare the refrigerant piping
- Push-to-connect in seconds
- Revel in the savings to your bottom line

ZoomLock PUSH fittings are an excellent option for the air conditioning contractor looking to make leak-free copper connections in seconds, without the use of a brazing torch or press tool and jaw.

ZoomLock PUSH, made of a robust, durable brass body, features a multiple O-ring design.

### Size Availability (Inches)

Couplings and Elbows  
1/4", 3/8", 1/2", 5/8", 3/4",  
7/8", 1-1/8"

SAE Flare Adapters  
1/4", 3/8", 1/2", 5/8"

Ball Valves  
1/4", 3/8", 1/2", 5/8", 3/4", 7/8"



## The ZoomLock PUSH Advantage

- No press tool or jaws needed
- Fast and easy install
- Cleaner system installs
- Secure, leak-free connections
- Safer conditions, no fire hazards
- No hot-work permits
- No need to nitrogen-purge
- Flexible access to job sites
- Sealed, individual packaging to assure a clean system install
- Available in couplings, elbows, SAE flare adapters, as well as bi-directional ball valves



**ZoomLock.** The Name You Know—The Brand You **TRUST.**

[ZoomLockPUSH.com](http://ZoomLockPUSH.com)

# ZoomLock PUSH

# OPTIMIZED

## COUPLINGS



Size (Inches)	Part Number	Description
1/4	777100	PZKP-C4-HNBR
3/8	777101	PZKP-C6-HNBR
1/2	777102	PZKP-C8-HNBR
5/8	777103	PZKP-C10-HNBR
3/4	777104	PZKP-C12-HNBR
7/8	777105	PZKP-C14-HNBR
1-1/8	777156	PZKP-C18-HNBR

## ELBOWS - 90 degree



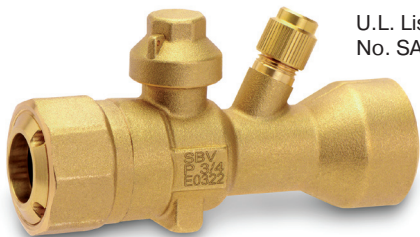
Size (Inches)	Part Number	Description
1/4	777110	PZKP-90E4-HNBR
3/8	777111	PZKP-90E6-HNBR
1/2	777112	PZKP-90E8-HNBR
5/8	777113	PZKP-90E10-HNBR
3/4	777114	PZKP-90E12-HNBR
7/8	777115	PZKP-90E14-HNBR
1-1/8	777158	PZKP-90E18-HNBR

## SAE FLARE ADAPTERS



Size Inches	Part Number	Description
1/4	777106	PZKP-F4-HNBR
3/8	777107	PZKP-F6-HNBR
1/2	777108	PZKP-F8-HNBR
5/8	777109	PZKP-F10-HNBR

## BALL VALVES



U.L. Listed  
No. SA5460

Size (Inches)	Part Number	Description (With Access Port)
1/4	777170	PZKP-BV4-HNBR
3/8	777171	PZKP-BV6-HNBR
1/2	777172	PZKP-BV8-HNBR
5/8	777173	PZKP-BV10-HNBR
3/4	777174	PZKP-BV12-HNBR
7/8	777175	PZKP-BV14-HNBR

The **Type PZKP-BV** ball valve with forged brass body construction, integrated ZoomLock PUSH connections, and an access fitting, has full size ports to allow for unrestricted flow on all sizes. All PZKP-BV ball valves are bi-directional and may be installed in any position.

- Continuous temperature range: -40°F to +248°F (-40°C to +120°C)
- Installation temperature (15 minutes max) limit: 300°F (149°C)
- Design working pressure: 870 psig (60 bar)

# ZoomLock PUSH REMOVABLE

## COUPLINGS



Size (Inches)	Part Number	Description
1/4	777133	PZKPR-C4
3/8	777134	PZKPR-C6
1/2	777135	PZKPR-C8
5/8	777136	PZKPR-C10
3/4	777137	PZKPR-C12
7/8	777138	PZKPR-C14
1-1/8	777157	PZKPR-C18

## ELBOWS - 90 degree



Size (Inches)	Part Number	Description
1/4	777143	PZKPR-90E4
3/8	777144	PZKPR-90E6
1/2	777145	PZKPR-90E8
5/8	777146	PZKPR-90E10
3/4	777147	PZKPR-90E12
7/8	777148	PZKPR-90E14
1-1/8	777159	PZKPR-90E18

## SAE FLARE ADAPTERS



Size Inches	Part Number	Description
1/4	777139	PZKPR-F4
3/8	777140	PZKPR-F6
1/2	777141	PZKPR-F8
5/8	777142	PZKPR-F10

## Installation Parts and Accessories

### INSTALLATION KIT

3 piece ZoomLock PUSH installation kit includes depth gauge, permanent marker, and Scotch-Brite® general purpose hand pad. Tubing cutter and deburring tool sold separately.

**Description:** PZKP-1K, **Part Number:** 777091

### 1-1/8" DEPTH GAUGE

Plastic depth gauge confirms the proper insertion depth of the tubing. For use with 1-1/8" size fittings only.

**Description:** PZKP-DG18, **Part Number:** 777180



### REMOVAL TOOLS

Removal tools for 1/4" - 7/8" sizes of ZoomLock PUSH removable fittings.

**Description:** PZKPR-RT, **Part Number:** 777090

# ZoomLock PUSH

# PUSH-TO-CONNECT REFRIGERANT FITTINGS

## Applications

- High Pressure HVAC/R

## 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):**  
870 psig / 60 bar
- **Minimum Burst Pressure (UL 207):**  
4,355 psig / 300 bar
- **Vacuum Pressure Capability:**  
200 Microns
- **External Leak Rate:**  
<0.1 Ounces of Helium per Year at Operating Pressure Range
- **Vibration Resistance:**  
Conforms to UL109
- **Size Availability (Inches):**  
1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1-1/8

## Fitting Materials

- **Fitting Body:**  
Brass
- **O-Ring:**  
Optimized: HNBR  
Removable: Chloroprene

## Compatibility

- **Approved Lubricants:** POE, PVE
- **Approved Tubing Materials:**  
Copper to Copper Connections
- **Approved Tubing Tolerance:**  
ASTM B280, UNI EN 12735
- **Approved Copper Tubing Types:**  
Hard Copper (Drawn)  
1/4" – 1-1/8" Type ACR, M, L, K  
Soft Copper (Annealed)  
1/4" – 7/8" Type ACR, L, K

## Agency Approvals and Certifications

- UL Listed SA7511  
Approved use for field and factory installations
- ASHRAE-15, ANSI 15, ASME B31.5, ANSI 31.5

## Fitting Warranty

- Refer to Catalog K-2.

## Approved Refrigerants

Refrigerant	Optimized Fittings	Removable Fittings
R22	---	✓
R32	✓	✓
R134a	✓	✓
R290	✓	✓
R404A	✓	✓
R407A	✓	✓
R407C	✓	✓
R407F	✓	✓
R410A	✓	✓
R448A	✓	✓
R449A	✓	✓
R454B	✓	✓
R500	✓	✓
R507	✓	✓
R600a	✓	✓

Refer to ZoomLockPUSH.com for the latest approved refrigerants list.



**Learn More**

Point and scan with your phone's camera.

[Catalog K-2 ZoomLock PUSH](#)

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