

# 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):**  
700 psi / 48 bar
- » **Minimum Burst Pressure (UL 207):**  
2,100 psi / 145 bar
- » **Vacuum Pressure Capability:**  
500 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

### Fitting Materials

- » **Fitting Body:**  
Refrigerant Grade Copper, per ASTM-B75 or ASTM-B743
- » **O-Ring:**  
HNBR

### Fitting Warranty

- » Read page 11 for more details.

### Compatibility

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

### Approved Refrigerants

- » R134a, R410A

### Agency Approvals and Certifications

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

ZoomLock PUSH is NOT approved for use with HCFCs, i.e., R-22 (chlorinated refrigerants).

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

# ZoomLock PUSH

## Push-to-Connect Refrigerant Fittings

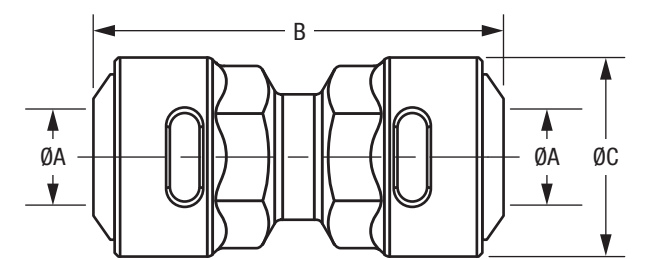
### COUPLINGS

R410A OPTIMIZED



| Size<br>(Inches) | Part<br>Number | Description   | Dimensions |      |      |      |      |    |
|------------------|----------------|---------------|------------|------|------|------|------|----|
|                  |                |               | A          |      | B    |      | C    |    |
|                  |                |               | Inch       | mm   | Inch | mm   | Inch | mm |
| 1/4              | 777100         | PZKP-C4-HNBR  | 0.26       | 6.65 | 1.89 | 48   | 0.79 | 20 |
| 3/8              | 777101         | PZKP-C6-HNBR  | 0.38       | 9.70 | 1.97 | 50   | 0.95 | 24 |
| 1/2              | 777102         | PZKP-C8-HNBR  | 0.51       | 13.0 | 2.13 | 54   | 1.06 | 27 |
| 5/8              | 777103         | PZKP-C10-HNBR | 0.64       | 16.2 | 2.24 | 57   | 1.18 | 30 |
| 3/4              | 777104         | PZKP-C12-HNBR | 0.76       | 19.3 | 2.58 | 65.5 | 1.46 | 37 |
| 7/8              | 777105         | PZKP-C14-HNBR | 0.89       | 22.5 | 2.62 | 66.5 | 1.57 | 40 |

### Dimensions

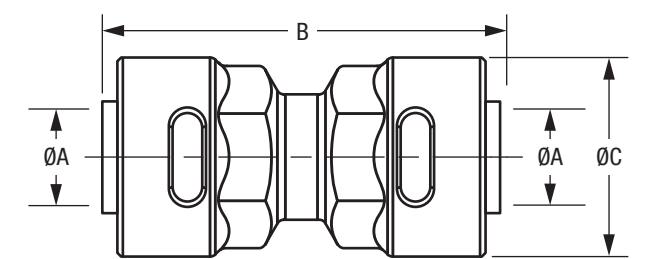


REMOVABLE



| Size<br>(Inches) | Part<br>Number | Description | Dimensions |      |      |      |      |    |
|------------------|----------------|-------------|------------|------|------|------|------|----|
|                  |                |             | A          |      | B    |      | C    |    |
|                  |                |             | Inch       | mm   | Inch | mm   | Inch | mm |
| 1/4              | 777133         | PZKPR-C4    | 0.26       | 6.65 | 1.89 | 48   | 0.79 | 20 |
| 3/8              | 777134         | PZKPR-C6    | 0.38       | 9.70 | 1.97 | 50   | 0.95 | 24 |
| 1/2              | 777135         | PZKPR-C8    | 0.51       | 13.0 | 2.13 | 54   | 1.06 | 27 |
| 5/8              | 777136         | PZKPR-C10   | 0.64       | 16.2 | 2.24 | 57   | 1.18 | 30 |
| 3/4              | 777137         | PZKPR-C12   | 0.77       | 19.5 | 2.58 | 65.5 | 1.46 | 37 |
| 7/8              | 777138         | PZKPR-C14   | 0.89       | 22.6 | 2.62 | 66.5 | 1.57 | 40 |

### Dimensions



# ZoomLock **PUSH**

## Push-to-Connect Refrigerant Fittings

### ELBOWS - 90 degree

R410A OPTIMIZED

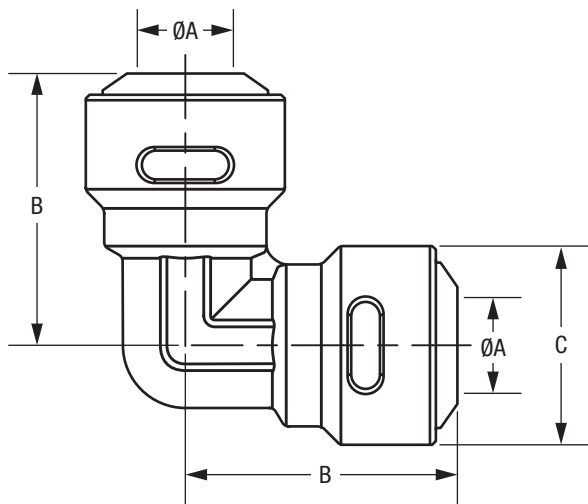


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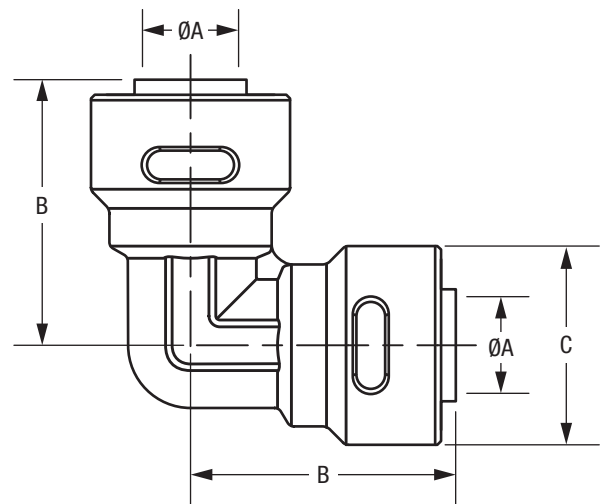
| Size<br>(Inches) | Part<br>Number | Description     | Dimensions |      |      |      |      |    |
|------------------|----------------|-----------------|------------|------|------|------|------|----|
|                  |                |                 | A          |      | B    |      | C    |    |
|                  |                |                 | Inch       | mm   | Inch | mm   | Inch | mm |
| 1/4              | 777110         | PZKP-90E4-HNBR  | 0.26       | 6.65 | 1.16 | 29.5 | 0.79 | 20 |
| 3/8              | 777111         | PZKP-90E6-HNBR  | 0.38       | 9.70 | 1.26 | 32   | 0.95 | 24 |
| 1/2              | 777112         | PZKP-90E8-HNBR  | 0.51       | 13.0 | 1.42 | 36   | 1.06 | 27 |
| 5/8              | 777113         | PZKP-90E10-HNBR | 0.64       | 16.2 | 1.54 | 39   | 1.18 | 30 |
| 3/4              | 777114         | PZKP-90E12-HNBR | 0.76       | 19.3 | 1.73 | 44   | 1.46 | 37 |
| 7/8              | 777115         | PZKP-90E14-HNBR | 0.89       | 22.5 | 1.77 | 45   | 1.57 | 40 |

### Dimensions



| Size<br>(Inches) | Part<br>Number | Description | Dimensions |      |      |      |      |    |
|------------------|----------------|-------------|------------|------|------|------|------|----|
|                  |                |             | A          |      | B    |      | C    |    |
|                  |                |             | Inch       | mm   | Inch | mm   | Inch | mm |
| 1/4              | 777143         | PZKPR-90E4  | 0.26       | 6.65 | 1.16 | 29.5 | 0.79 | 20 |
| 3/8              | 777144         | PZKPR-90E6  | 0.38       | 9.70 | 1.26 | 32   | 0.95 | 24 |
| 1/2              | 777145         | PZKPR-90E8  | 0.51       | 13.0 | 1.42 | 36   | 1.06 | 27 |
| 5/8              | 777146         | PZKPR-90E10 | 0.64       | 16.2 | 1.54 | 39   | 1.18 | 30 |
| 3/4              | 777147         | PZKPR-90E12 | 0.77       | 19.5 | 1.73 | 44   | 1.46 | 37 |
| 7/8              | 777148         | PZKPR-90E14 | 0.89       | 22.6 | 1.77 | 45   | 1.57 | 40 |

### Dimensions



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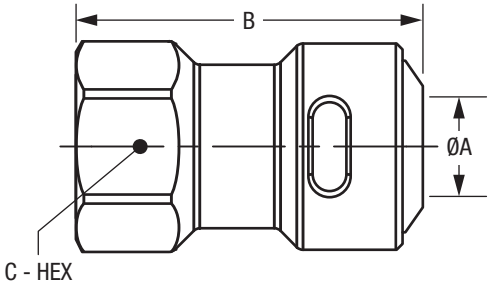
### SAE FLARE ADAPTERS

R410A OPTIMIZED



| Size<br>Inches | Part<br>Number | Description   | Dimensions |      |      |      |      |    |                      |
|----------------|----------------|---------------|------------|------|------|------|------|----|----------------------|
|                |                |               | A          |      | B    |      | C    |    | SAE Threads<br>(UNF) |
|                |                |               | Inch       | mm   | Inch | mm   | Inch | mm |                      |
| 1/4            | 777106         | PZKP-F4-HNBR  | 0.26       | 6.65 | 1.52 | 38.5 | 0.67 | 17 | 7/16-20              |
| 3/8            | 777107         | PZKP-F6-HNBR  | 0.38       | 9.70 | 1.63 | 41.5 | 0.87 | 22 | 5/8-18               |
| 1/2            | 777108         | PZKP-F8-HNBR  | 0.51       | 13.0 | 1.83 | 46.5 | 0.95 | 24 | 3/4-16               |
| 5/8            | 777109         | PZKP-F10-HNBR | 0.64       | 16.2 | 2.09 | 53   | 1.06 | 27 | 7/8-14               |

Dimensions



REMOVABLE



| Size<br>Inches | Part<br>Number | Description | Dimensions |      |      |      |      |    |                      |
|----------------|----------------|-------------|------------|------|------|------|------|----|----------------------|
|                |                |             | A          |      | B    |      | C    |    | SAE Threads<br>(UNF) |
|                |                |             | Inch       | mm   | Inch | mm   | Inch | mm |                      |
| 1/4            | 777139         | PZKPR-F4    | 0.26       | 6.65 | 1.52 | 38.5 | 0.67 | 17 | 7/16-20              |
| 3/8            | 777140         | PZKPR-F6    | 0.38       | 9.70 | 1.63 | 41.5 | 0.87 | 22 | 5/8-18               |
| 1/2            | 777141         | PZKPR-F8    | 0.51       | 13.0 | 1.83 | 46.5 | 0.95 | 24 | 3/4-16               |
| 5/8            | 777142         | PZKPR-F10   | 0.64       | 16.2 | 2.09 | 53   | 1.06 | 27 | 7/8-14               |

Dimensions

