

## Insert

### For fractional tube



| PARKER<br>PART NO. | INTER-<br>CHANGES<br>WITH | INCHES       |              |              |
|--------------------|---------------------------|--------------|--------------|--------------|
|                    |                           | TUBE<br>O.D. | TUBE<br>I.D. | TUBE<br>WALL |
| 3 TIZ .125         | 305-2                     | 3/16         | .125         | .031         |
| 4 TIZ .125         | 405-2                     | 1/4          | .125         | .062         |
| 4 TIZ .170         | 405-170                   | 1/4          | .170         | .040         |
| 4 TIZ .188         | 405-3                     | 1/4          | .188         | .031         |
| 5 TIZ .125         | 505-2                     | 5/16         | .125         | .094         |
| 5 TIZ .188         | 505-3                     | 5/16         | .188         | .062         |
| 5 TIZ .250         | 505-4                     | 5/16         | .250         | .031         |
| 6 TIZ .188         | 605-3                     | 3/8          | .188         | .094         |
| 6 TIZ .250         | 605-4                     | 3/8          | .250         | .062         |
| 8 TIZ .250         | 815-4                     | 1/2          | .250         | .125         |
| 8 TIZ .375         | 815-6                     | 1/2          | .375         | .062         |
| 10 TIZ .375        | 1015-6                    | 5/8          | .375         | .125         |
| 10 TIZ .500        | 1015-8                    | 5/8          | .500         | .062         |
| 12 TIZ .500        | 1215-8                    | 3/4          | .500         | .125         |
| 12 TIZ .625        | 1215-10                   | 3/4          | .625         | .062         |
| 16 TIZ .750        | 1615-12                   | 1            | .750         | .125         |
| 16 TIZ .875        | 1615-14                   | 1            | .875         | .062         |

Dimensions for reference only, subject to change.  
**NOTE:** Tubing wall thickness and corresponding minimum I.D. flow paths are listed so the system designer can properly match the insert to the tubing.

**Example:** 4 TIZ .125 is used with tubing having a wall thickness of .062 and I.D. of .125.

## Insert

### For metric tube



| PARKER<br>PART NO. | INTER-<br>CHANGES<br>WITH | MILLIMETERS  |              |              |
|--------------------|---------------------------|--------------|--------------|--------------|
|                    |                           | TUBE<br>O.D. | TUBE<br>I.D. | TUBE<br>WALL |
| TIZ 6 (4)          | 6M5-4M                    | 6            | 4            | 1,0          |
| TIZ 8 (6)          | 8M5-6M                    | 8            | 6            | 1,0          |
| TIZ 10 (6)         | 10M5-6M                   | 10           | 6            | 2,0          |
| TIZ 10 (8)         | 10M5-8M                   | 10           | 8            | 1,0          |
| TIZ 12 (8)         | 12M5-8M                   | 12           | 8            | 2,0          |
| TIZ 12 (10)        | 12M5-10M                  | 12           | 10           | 1,0          |
| TIZ 15 (10)        | 15M5-10M                  | 15           | 10           | 2,5          |

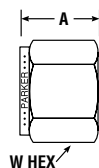
Dimensions for reference only, subject to change.  
**NOTE:** Tubing wall thickness and corresponding minimum I.D. flow paths are listed so the system designer can properly match the insert to the tubing.

**Example:** TIZ 6 (4) is used with tubing having a wall thickness of 1mm and I.D. of 4mm.

**TIZ inserts allow CPI™/A-LOK® fittings to be used with soft plastic tubing.**

## Tube Nut

### For fractional tube



| CPI™<br>PART NO. | A-LOK®<br>PART NO. | INTER-<br>CHANGES<br>WITH | INCHES       |      |          |
|------------------|--------------------|---------------------------|--------------|------|----------|
|                  |                    |                           | TUBE<br>O.D. | A    | W<br>HEX |
| 1 BZ             | 1NU1               | 102-1                     | 1/16         | 0.31 | 5/16     |
| 2 BZ             | 2NU2               | 202-1                     | 1/8          | 0.47 | 7/16     |
| 3 BZ             | 3NU3               | 302-1                     | 3/16         | 0.47 | 1/2      |
| 4 BZ             | 4NU4               | 402-1                     | 1/4          | 0.50 | 9/16     |
| 5 BZ             | 5NU5               | 502-1                     | 5/16         | 0.53 | 5/8      |
| 6 BZ             | 6NU6               | 602-1                     | 3/8          | 0.56 | 11/16    |
| 8 BZ             | 8NU8               | 812-1                     | 1/2          | 0.69 | 7/8      |
| 10 BZ            | 10NU10             | 1012-1                    | 5/8          | 0.69 | 1        |
| 12 BZ            | 12NU12             | 1212-1                    | 3/4          | 0.69 | 1-1/8    |
| 14 BZ            | 14NU14             | 1412-1                    | 7/8          | 0.69 | 1-1/4    |
| 16 BZ            | 16NU16             | 1612-1                    | 1            | 0.81 | 1-1/2    |
| 20 BZ            | 20NU20             | 2012-1                    | 1-1/4        | 1.25 | 1-7/8    |
| 24 BZ            | 24NU24             | 2412-1                    | 1-1/2        | 1.50 | 2-1/4    |
| 32 BZ            | 32NU32             | 3212-1                    | 2            | 2.06 | 3        |

Dimensions for reference only, subject to change.  
**NOTE:** All size 20, 24 and 32 silver plated nuts should have a system compatible lube (Permatex Anti-seize – Parker Catalog 4290-INST) or equivalent applied to the fitting body threads and the inside back of nuts. This will minimize the effort required to assemble the fitting properly.