70 ICON

Custom sleeve actuated external grip and seal connection tool for formed tube applications.

CONNECTS TO:

- Expanded
- Flared
- Beaded
- Barbed
- Formed End

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Pressure Rating</th>
<th>Operating Temperatures</th>
<th>Materials of Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vacuum to 750 psi (51 bar)</td>
<td>-40°F to +250°F (-40°C to +121°C)</td>
<td>Stainless Steel, Anodized Aluminum</td>
</tr>
<tr>
<td>Termination Port</td>
<td>Seal Material*</td>
<td>NPT, BSPP (G) Buna-N</td>
</tr>
</tbody>
</table>

* Additional seal material types available, consult factory.

ACTUATION METHOD

**Manual Sleeve:** Easy, ergonomic sleeve action eliminates repetitive twisting and turning - push to connect, pull to release

ICON™ TECHNOLOGY

- SURE SEAL™ - Instant LED feedback verifies a good connection onto the formed tube
- Instant external formed tube connection with floating piston to ensure proper face / ID sealing position
- Collet design locks securely onto external formed tubes
- Connect and seal to expanded, flared, beaded, barbed and formed end tubing - custom built per application
- Optional internal shut-off valve stops flow upon disconnection

ACCESSORIES

Visit fastestinc.com

SURE SEAL™ - I

1. Instant LED feedback verifies a good connection onto the formed tube
2. Instant external formed tube connection with floating piston to ensure proper face / ID sealing position
3. Collet design locks securely onto external formed tubes
4. Connect and seal to expanded, flared, beaded, barbed and formed end tubing - custom built per application
5. Optional internal shut-off valve stops flow upon disconnection
FasTest’s ICON™ adds sensing capabilities to our mechanical Sealing Connection Tools. ICON™ Tools include instant LED visual feedback and data output to improve sealing connection accuracy, maximize production efficiency, and optimize maintenance.

**ICON™ features:**

**SURE SEAL™**
Instant LED feedback verifies a good connection prior to starting a test.

**System Overview:**

- **CONNECTED**
  Verify connections are good prior to starting a leak test and provide operators instant positive feedback to simplify training.

- **RECONNECT**
  Recognize short connects before hazardous spills occur in functional testing, or prevent wasteful False Positive results in leak testing.

- **PICK TOOL**
  Controllable LED signals operator to use specific tool.

**User’s System**

- **CONNECTED**
- **RECONNECT**
- **PICK TOOL**

- Standalone install or tie into PLC

**NOTE:** Solid State Relay and Analog output options available.

- Quickly setup ICON™ Tools
- Eliminate the need for PLC programming
- Can be powered from wall adapter (included) or from a PLC (24VDC)
Custom sleeve actuated external grip and seal connection tool for formed tube applications.

**DIMENSIONS**

*inch (mm)*

<table>
<thead>
<tr>
<th>Feature Ø Range</th>
<th>Body Size</th>
<th>Part Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 0.67 (17.0)</td>
<td>70BG1</td>
<td>Determined by Application Consult Factory</td>
<td>1.47 (37.3)</td>
<td>3.49 (88.6)</td>
<td>2.00 (50.8)</td>
<td>1.65 (41.9)</td>
<td>1/4 NPT</td>
</tr>
<tr>
<td>Up to 1.00 (25.4)</td>
<td>70BG2</td>
<td>Determined by Application Consult Factory</td>
<td>1.74 (44.2)</td>
<td>3.72 (94.5)</td>
<td>2.205 (56.0)</td>
<td>1.92 (48.8)</td>
<td>3/8 NPT</td>
</tr>
<tr>
<td>Up to 1.37 (34.8)</td>
<td>70BG3</td>
<td>Determined by Application Consult Factory</td>
<td>2.13 (54.1)</td>
<td>3.72 (94.5)</td>
<td>2.595 (65.9)</td>
<td>2.31 (58.7)</td>
<td>3/4 NPT</td>
</tr>
</tbody>
</table>

Dimensions: inch (mm)

**NOTE:** Table above shows common connections. Additional sizes available for 70 Series connectors. Dimension A can be application dependant for other sizes. Consult factory for details.

**HOW TO ORDER**

70 Series Connectors are built to order. Contact FasTest for assistance and to request a quote.

Visit: www.fastestinc.com/en/applicationevaluation

Email: fastsales@fastestinc.com