

# OPERATING INSTRUCTIONS

## Connector Maintenance:

- Establish a regular interval for maintenance as determined by user media and operational environment.
- Inspection should include visual checks of the sealing area, jaw wear, missing or loose components, leak tightness, ease of operation, sufficient lubrication, wear, dirt accumulation and damage.
- Establish a regular interval for lubrication. The media and environment will be determining factors in establishing this interval to prevent dryness and/or corrosion.
- Difficulty of operation after continual use indicates a need for lubrication or other maintenance.
- Use only original **FasTest** spare parts that are designed for the application and are subject to strict quality control. See warranty.

## Safety Warnings – Guidelines:

- If instructions are not completely understood by operator or components are missing, contact **FasTest** before attempting use of the connector.
- Application Safety: All **FasTest** products have been designed with safety in mind; however, it is the responsibility of the user to design each process in such a way to avoid mishaps that can cause physical hazard or property loss. Secondary restraints such as safety chains, shields, cages or fixtures are all good choices depending on the application. **FasTest** can recommend or assist you in clarifying potential hazards of your application.
- **FasTest 70 Series Fuel Rail** connectors (part number FRV70XXXXX) are internally valved to prevent loss of media when disconnected. FasTest recommends that any connection or disconnection be made only when pressure is reduced to ambient.
- **FasTest 70 Series Fuel Rail** connectors (part number FR70XXXXX) are not internally valved and will not prevent loss of media when disconnected. **Do not attempt to disconnect unless safe conditions are met.**
- **FasTest 70 Series Fuel Rail** connectors must only be used with test pieces of a specific size as indicated by the part number. Improper use may separate the connector from the test piece resulting in physical harm or damage.

## **FasTest, Inc. Product Warranty**

FasTest, Inc. warrants its products against defects of workmanship and/or material for 12 months from the date of the sale by FasTest, Inc. This warranty is void if the product is misused, tampered with or used in a manner that is not in accordance with FasTest, Inc. recommendations and/or instructions. FasTest, Inc. is not liable for consequential or other damages including, but not limited to, loss, damage, personal injury, or any other expense directly or indirectly arising from the use of or inability to use its products either separately or in combination with other products. ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, WHETHER ORAL OR WRITTEN, INCLUDING BUT NOT LIMITED TO WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

Remedy under this warranty is limited to replacement of the product or an account credit in the amount of the original selling price, at the option on FasTest, Inc. All allegedly defective products must be returned prepaid transportation to FasTest, Inc. along with information describing the products performance, unless disposition in the field is authorized in writing by FasTest, Inc.

## **70 Series Fuel Rail Sleeve Activated Connectors**

*70 Series Fuel Rail Connectors Seal on SAE J2044 Formed Tubes.*



**70 Series Fuel Rail** connectors are designed to provide a safe, reliable leak-tight seal and connection when properly maintained and operated on SAE J2044 formed tubes.

Please thoroughly read and understand these operating instructions prior to operating the connector. The use of pressurized media for sealing and testing requires a thorough understanding of the **FasTest 70 Series Fuel Rail** operating instructions.

- Installation
- Operation
- Connector Maintenance
- Safety Warnings – Guidelines

# OPERATING INSTRUCTIONS

## Product Design and Use:

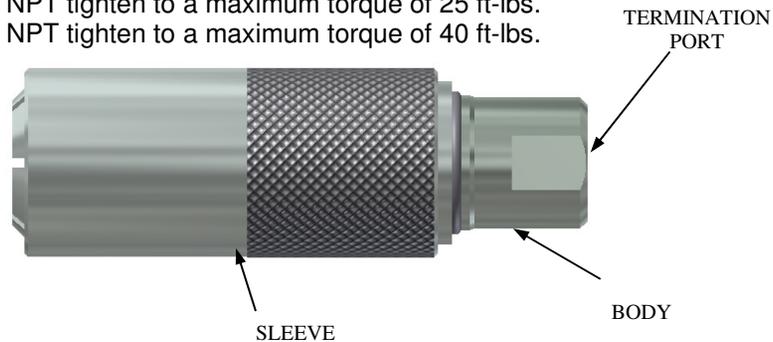
The 70 Series Fuel Rail Connector is designed to handle a standard SAE J2044 fuel rail beaded tube form. Connector is marked on the sleeve with the size it connects to.

## Installation:

Connect hose fitting and or plug securely to the termination port of the connector.

1/4" NPT tighten to a maximum torque of 25 ft-lbs.

3/8" NPT tighten to a maximum torque of 40 ft-lbs.



## Operation:

### Connecting Action:

1. To connect to tube, slide the knurled sleeve away from test piece. This will allow the jaws to open.



2. Push connector onto formed tube, pushing piston inside jaws. Push far enough to allow bead to be gripped by the jaws.



3. Spring action forces sleeve forward, collapsing jaws for grip and seal action.



4. Pull on body of connector to assure proper engagement and grip before introducing pressurized media. **DO NOT PULL ON SLEEVE TO CHECK FOR PROPER ENGAGEMENT.**
5. Activate test media through connector termination port or through test piece if port is plugged. Pressure will enhance the seal.
6. When test is complete, deactivate test pressure then slide sleeve away from test piece to expand jaws. Remove connector from test piece.

### CAUTION NOTES:

- CAUTION: The maximum rated pressure is stamped on the connector sleeve. Before using, verify that this pressure rating is within your working pressures.
- **WARNING: Pull on the connector body to assure proper engagement and gripping before introduction of pressurized media.**
- **DO NOT** spin test piece or connector after connection has been made.