CONNECTION TECHNOLOGY FOR ENGINE AND VEHICLE SYSTEMS TESTING

PROCESS AND QUALITY IMPROVEMENT IN THE AUTOMOTIVE INDUSTRY

- Reduce high pressure test connection time
- Improve throughput
- Eliminate thread damage, sealant and wrenches
- Safe & reliable leak tight, uniform connections

www.fastestinc.com
Made in the USA
**The FasTest Advantage**

- **the industry’s most extensive line of connectors offers a perfect connection to virtually any type of automotive testing application**
- **New FasTest ISO certified. Our product designs, and manufacturing processes have gone through the most stringent testing to ensure the highest quality products for your testing process.**
- **FasTest delivers innovative technology to meet your application needs, no matter how complex the test requirements.**
- **Custom connectors are available for unique requirements.**

**Comprehensive Vehicle Solutions**

- **Automotive** - Cars and light trucks
- **Over the Road Trucks**
- **Construction** - Bulldozers, cranes, and backhoes
- **Recreational vehicles** - Boats, generators, power washers, and recreational vehicles
- **Agricultural** - Tractors and combines
- **Off Road / Mining**
- **Lawn & Garden Products** - Generators, power washers, and lawn mowers
- **Industrial**

**NEW PRODUCTS**

**FasTest offers solutions for windshield washer systems - Reusable and plastic**

- **Windshield Washer Systems** - Reusable and plastic
- **Pickered Product:** EZ Control™ 2N

**Climate Control**

- **Heater Cores**
- **AC Cores**
- **Compressors**
- **Refrigeration**
- **Picked Product:** 70 Series™

**Picked Product:** 70 Series™

- Radiators, transmission coolers, heater cores and conditioning cores can be easily sealed with FasTest connectors. The 70 and 70 Series™ can provide a quick manual connection.

**For customers who need to automate their testing processes, the pneumatic**

**Fuel Pumps**

- **Picked Product:** EZ Control™

**Picked Product:** EZ Control™

- Testing the porosity of transmission and axle housings
- **Sealing range.**
- **Tolerances** - EZ Connect™ ZF, which can accommodate a wide spectrum of tube diameters for simple operation.

**Fuel System/Run Test**

- **Picked Product:** 70 Series™ for Fuel Rail

**FNL**

- **Picked Product:** 70 Series™ for Fuel Rail

**EZ Connect™ZF**

- **Wide tolerance seal design provides fit to a range of tube diameters.**
- **Sleeve handle design for intuitive one-hand connection.**
- **Auto-aligning connector provides wide port size and design clearance.**
- **Color coded by size for easy identification.**
- **Aluminum design for a lightweight, durable product.**

**70 Series™**

- **For Fuel Rail**

**70 Series™**

- **For Fuel Rail**

**Picked Product:** 70 Series™ for Fuel Rail

- **Fuel Rail**
- **Fuel Pumps**
- **Fuel Filters**
- **Sensors/Gauges**
- **Cooling System**
- **Steering System Components**
- **Intake/Exhaust Components**
- **Transmissions/Drive Train**
- **Brake Systems**
- **Picked Product:** EZ Control™

**Picked Product:** EZ Control™

- **Intake/Exhaust Components** - Mufflers & Pipes: Turbo, Ignition, Fuel, Emissions, and Vacuum Systems. The durable assembly used with these technologies provides a seal where other products fail.
- **Power Steering Pumps**
- **Rack & Pinion Housings**
- **Hose & Tube Assemblies**

**Transmission Oil Pan**

- **Picketed Product:** EZ Control™

**Ez Connect™ZF**

- **EZ Connect™ZF, which can accommodate a wide spectrum of tube diameters for simple operation.**
- **Sealing range.**
- **Tolerances** - EZ Connect™ ZF, which can accommodate a wide spectrum of tube diameters for simple operation.

**Fuel System/Run Test**

- **Picked Product:** 70 Series™ for Fuel Rail

**FNL**

- **Picked Product:** 70 Series™ for Fuel Rail

**70 Series™**

- **For Fuel Rail**

**70 Series™**

- **For Fuel Rail**

**Picked Product:** 70 Series™ for Fuel Rail

- **Fuel Rail**
- **Fuel Pumps**
- **Fuel Filters**
- **Sensors/Gauges**
- **Cooling System**
- **Steering System Components**
- **Intake/Exhaust Components**
- **Transmissions/Drive Train**
- **Brake Systems**
- **Picked Product:** EZ Control™

**Picked Product:** EZ Control™

- **Intake/Exhaust Components** - Mufflers & Pipes: Turbo, Ignition, Fuel, Emissions, and Vacuum Systems. The durable assembly used with these technologies provides a seal where other products fail.
- **Power Steering Pumps**
- **Rack & Pinion Housings**
- **Hose & Tube Assemblies**

**Transmission Oil Pan**

- **Picketed Product:** EZ Control™

**Ez Connect™ZF**

- **EZ Connect™ZF, which can accommodate a wide spectrum of tube diameters for simple operation.**
- **Sealing range.**
- **Tolerances** - EZ Connect™ ZF, which can accommodate a wide spectrum of tube diameters for simple operation.

**Fuel System/Run Test**

- **Picked Product:** 70 Series™ for Fuel Rail

**FNL**

- **Picked Product:** 70 Series™ for Fuel Rail

**70 Series™**

- **For Fuel Rail**

**70 Series™**

- **For Fuel Rail**

**Picked Product:** 70 Series™ for Fuel Rail

- **Fuel Rail**
- **Fuel Pumps**
- **Fuel Filters**
- **Sensors/Gauges**
- **Cooling System**
- **Steering System Components**
- **Intake/Exhaust Components**
- **Transmissions/Drive Train**
- **Brake Systems**
- **Picked Product:** EZ Control™

**Picked Product:** EZ Control™

- **Intake/Exhaust Components** - Mufflers & Pipes: Turbo, Ignition, Fuel, Emissions, and Vacuum Systems. The durable assembly used with these technologies provides a seal where other products fail.
- **Power Steering Pumps**
- **Rack & Pinion Housings**
- **Hose & Tube Assemblies**

**Transmission Oil Pan**

- **Picketed Product:** EZ Control™

**FasTest delivers innovative technology to meet your application needs, no matter how complex the test requirements.**

**Custom connectors are available for unique requirements.**

**Comprehensive Vehicle Solutions**

- **Automotive** - Cars and light trucks
- **Over the Road Trucks**
- **Construction** - Bulldozers, cranes, and backhoes
- **Recreational vehicles** - Boats, generators, power washers, and recreational vehicles
- **Agricultural** - Tractors and combines
- **Off Road / Mining**
- **Lawn & Garden Products** - Generators, power washers, and lawn mowers
- **Industrial**

**Proudly Made in the USA**
## AUTOMOTIVE APPLICATIONS

### Connectors

<table>
<thead>
<tr>
<th>Internal “FI” and External “FE” for Automated Tube and Thread Connections</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Pneumatically actuated for automated or semi-automated operation in applications where speed is a priority</td>
<td>Radiators</td>
</tr>
<tr>
<td>- Seal over or into smooth tubes, bumped or beaded tube ends, rough cast or threaded surfaces</td>
<td>Suspension/Struts</td>
</tr>
<tr>
<td>- Standard sizes or custom models available</td>
<td>Sensors/Gauges</td>
</tr>
<tr>
<td>- For vacuum or pressure applications</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EZ Connect™ ZF for Formed Tubes</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Wide tolerance design accommodates a wide variety of tube sizes and designs</td>
<td>Engines</td>
</tr>
<tr>
<td>- Designed with self-aligning seals which reduce failures and operator errors</td>
<td>Radiators</td>
</tr>
<tr>
<td>- Sleeve handle for easy, one hand operation</td>
<td>Transmissions</td>
</tr>
<tr>
<td>- Tool cable connection ensures safe use</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EZ Connect™ ZN for Reduced Pressure</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Two way actuation handle with adjustable lock ring allows for easy connection to various seal diameters</td>
<td>Fuel Tanks</td>
</tr>
<tr>
<td>- Simple design and field service maintenance kits require no special tools for easy seal replacement</td>
<td>Radiators</td>
</tr>
<tr>
<td>- Tool cable connection ensures safe use</td>
<td>Transmissions</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>70 Series™ for Fuel Rail</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Push/pull connection for simple operation</td>
<td>Fuel Lines</td>
</tr>
<tr>
<td>- High flow design for optimal engine run</td>
<td>Pumps</td>
</tr>
<tr>
<td>- Integral stop valve prevents flow of fuel when disconnected</td>
<td></td>
</tr>
<tr>
<td>- Vacuum to 750psi accommodates a wide testing spectrum</td>
<td></td>
</tr>
<tr>
<td>- Stainless steel host material provides a robust, durable product</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>70 Series™ for Expanded, Flared, Barbed, Beaded and Formed End Tubes Fuel Rail</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Sleeve action makes an instant leak tight connection</td>
<td>Fuel Lines</td>
</tr>
<tr>
<td>- For use on a variety formed tube ends found on tube assemblies, reservoirs and cast parts</td>
<td>Climate Components</td>
</tr>
<tr>
<td>- Designed for helium leak testing, run testing, proof testing, pressure decay, water dunk and other related processes</td>
<td>Reservoir Bottles</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>60 Series™ for External Thread</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Sleeve action makes an instant leak tight connection to male threaded ends on tube and hose assemblies</td>
<td>Power Steering Hose &amp; Tube Assemblies</td>
</tr>
<tr>
<td>- Designed for helium leak testing, run testing, proof testing, pressure decay, water dunk and other related processes</td>
<td>Fuel Lines</td>
</tr>
<tr>
<td>- Standard sizes or custom models available</td>
<td>Vacuum Lines</td>
</tr>
<tr>
<td>- For vacuum or pressure applications</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FasMate Series™ – “FN” for Internal Threads, “FX” for External Threads</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Squeeze lever, thumb valve or pneumatic operation makes instant leak tight connection to internal threads</td>
<td>Power Steering Hose &amp; Tube Assemblies</td>
</tr>
<tr>
<td>- Modular design allows for quick change method of connector actuation and field maintenance</td>
<td>Fuel Lines A/C</td>
</tr>
<tr>
<td>- Pressure assisted sealing eliminates wrench tightening and thread sealants for safe connections</td>
<td>Vacuum Lines</td>
</tr>
<tr>
<td>- Standard sizes or custom models available</td>
<td>Antilock Braking Systems</td>
</tr>
<tr>
<td>- For pressure applications</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TwistMate Series™ for Mechanical Internal and External Threads – “Twist to Connect”</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Mechanical Internal Thread “MIT” for manual quick threading to internal threads</td>
<td>Power Steering Brake Calipers</td>
</tr>
<tr>
<td>- Mechanical External Thread “MET” for manual quick threading to external threads</td>
<td>Engine – Fuel/Oil</td>
</tr>
<tr>
<td>- Pressure assisted sealing eliminates wrench tightening and thread sealants for safe connections</td>
<td>Antilock Braking Systems</td>
</tr>
<tr>
<td>- Standard sizes or custom models available</td>
<td>Vacuum Lines</td>
</tr>
<tr>
<td>- For vacuum or pressure applications</td>
<td></td>
</tr>
</tbody>
</table>
Cost, Process and Quality Improvement

Since 1985, FastTest, Inc. has manufactured quick test connectors and valves that maximize efficiency, productivity and profitability for the Industrial Manufacturing, HVAC-R and Compressed Gas Industries.

Relying on our core engineering skills, FastTest has secured over 50 US and International patents. These patents serve as the design platform for innovative products that enable our customers to improve testing, manufacturing processes and productivity.

Proudly Serving

Ford

Johnson Controls

GM

KUKA

DEUTSCH

Martinrea

SMI

TI Automotive

Delphi

Navistar

Cummins

Notifications and Copyright

Specifications in this brochure are subject to change without notice. FastTest also reserves the right to make modifications and makes no guarantee of the accuracy of the information contained herein.

FastTest is a registered trademark with the US Patent & Trademark Office. © 2015 FastTest Inc. All rights reserved. No part of this publication may be reproduced without written permission.

Patents

FastTest Inc. takes pride in its innovative quick disconnect coupling solutions, many of which have been awarded United States and International patents. FastTest Inc. has a strong tradition of leadership in the quick disconnect market, and aggressively pursues and protects its proprietary information and intellectual property.

All products are designed and manufactured by FastTest Inc. USA

Limited Express Warranty

FastTest Inc. warrants its products against defects in workmanship and materials for 12 months from the date of sale by FastTest Inc. or its authorized distributor. This warranty is void if the product is misused, tampered with or used in a manner that is contrary to FastTest Inc.’s written recommendations and/or instructions.

See website for complete warranty information.

Custom Applications

FastTest has full engineering and manufacturing capability to provide special accommodations to meet specific applications. Our engineers are available to review your unique application requirements.

Certifications

FastTest Inc. is ISO 9001: 2008 certified.