



**FASTEST**<sup>®</sup>



# Internal Combustion Engine Connection Tools

Improve Quality, Efficiency,  
& Precision of Leak Testing

[fastestinc.com](http://fastestinc.com)



# FASTEST<sup>®</sup>

## Global Leader in Industrial Sealing Connection Technology

Vehicle Systems | HVAC-R | Compressed Gas | Medical Life Science | Aerospace

At FasTest, our mission is to reduce our customer's manufacturing costs, improve testing safety, and enhance leak testing processes.

As an industry leader of Sealing and Connection Technologies, FasTest offers standard products for most ports/threads/tubes, and a dedicated team of Custom Design Experts to engineer optimized solutions for demanding applications. Connect fast, seal reliably, test safely.



### BROAD OFFERING

Extensive standard and Custom Engineered Solutions.



### INTELLIGENT TOOLS

Sensing & data generation tools that support process automation.



### APPLICATION EXPERTS

Optimized solutions, tailored to your unique needs.



### GLOBAL SUPPORT

Global distribution network provides local, responsive support.



### SUPERIOR QUALITY

ISO 9001 Certified; Robust tools improve the quality of your product.

## On-Highway & Off-Highway Component Expertise

### Internal Combustion Engines



### Electric Vehicle Battery Packs



### Vehicle System Components





# Leak Test Connection Tools for Every Port & Thread



## Accurate Connection & Seal

Precision engineered tools provide the highest quality connection and seal for accurate testing.



## Reduce Repetitive Motion Injuries

Easy-to-use one hand operation, eliminate the painful twisting motions of standard fittings.



## Safely Connect in Seconds

FasTest's ergonomic tools instantly attach to ports and threads - no wrenches, thread tape, or sealants for a leak-tight seal.



## Safety First

Multiple safety features are included in every tool, including pressure assisted sealing technology.



## Durable Connection Tools

Engineered for precision and durability to withstand rigorous testing environments.



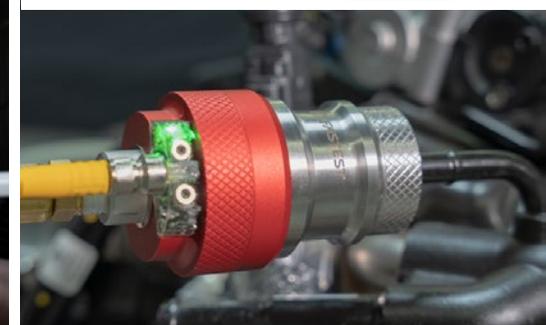
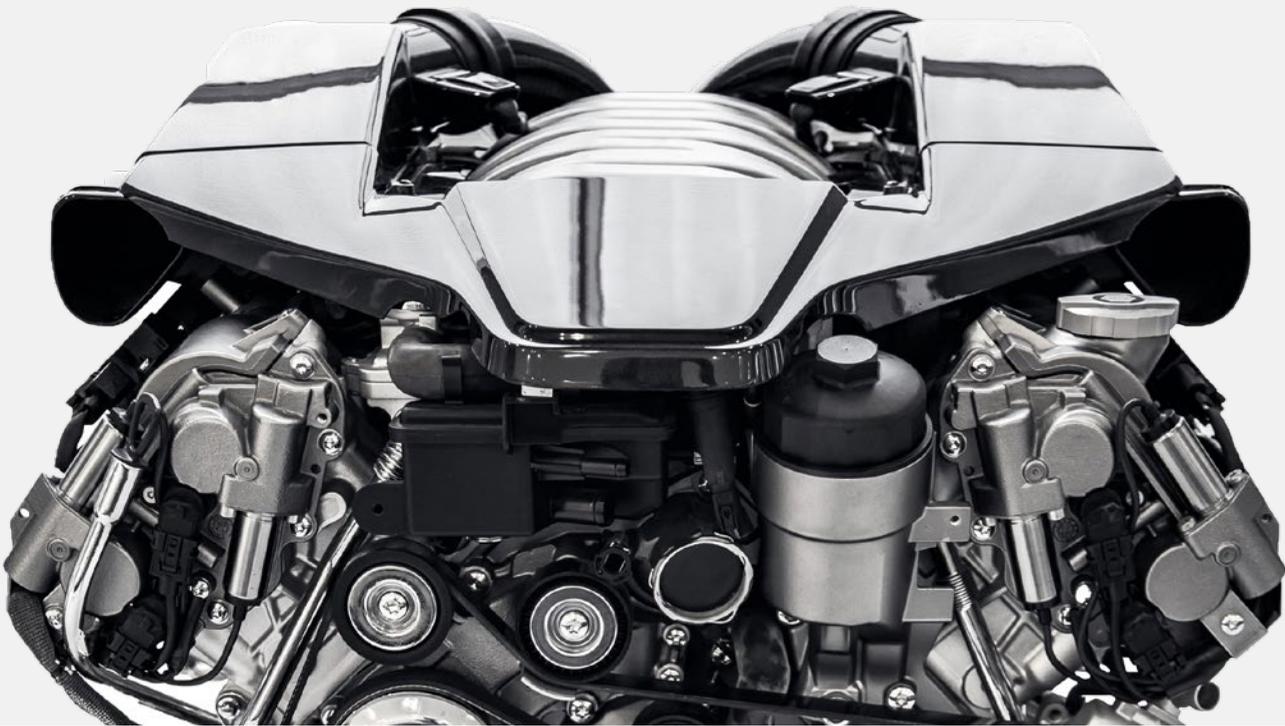
## Quality Tools, Quality Tests

Engineered for the highest quality connection and seal. Reduce False Failures caused at the connection points.

# Internal Combustion Engine Leak Testing

## » Connection Tools Designed for YOUR Engine

Maximize efficiency when leak testing any size engine with FasTest Connection Tools. Safely and quickly connect to to transfer fluid, leak test, or plug any port.



## » Reduce Time to Run Leak Tests

Minimize the set up time it takes to prepare the engine for a leak test. Compared to using in-house solutions like clamps and pad seals, Fastest Connection Tools can drastically improve throughput. Reducing set up by a couple minutes can increase the total throughput of engines per shift.

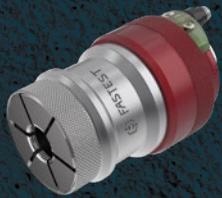
## » Reduce False Failures

False failures are a costly result typically caused by poor connections and seals. By using accurate sealing Connection Tools, leak tests are more reliable and consistent - if a leak test fails, the leak is not from the point of connection.

## » Improve Quality of Test

Improve Quality of Test by replicating the real-world connections on the engines. This gives operators a better representation of the engines performance once installed in the vehicle. Many in-house solutions can mask leaks instead of identifying them.

## Internal Combustion Engine Connection Tools



**60**

Standard & Custom  
Sized Threads  
(750 psi/51 bar)



**VDA**

VDA Standard Ports  
(150 psi/10.3 bar)



**70 FR**

J2044 Standard  
Fuel Rails  
(750 psi/51 bar)



**FX**

High Pressure  
Connections to  
Standard Threads  
(5,000 psi/345 bar)



**ZGNP**

Wide Tolerance Threaded  
Connections for Multiple  
Thread Sizes/Types  
(300 psi/20.7 bar)



**FN**

High Pressure  
Connections to  
Threaded Bores  
(5,000 psi/345 bar)



**FE**

Standard Tubes and  
Threads  
(500 psi/34 bar)



**FEG**

Custom Cradle  
Connections to  
Flanged Ports and  
Turbos



**FI**

Standard Tubes,  
Bores and Threads  
(120 psi/8.3 bar)



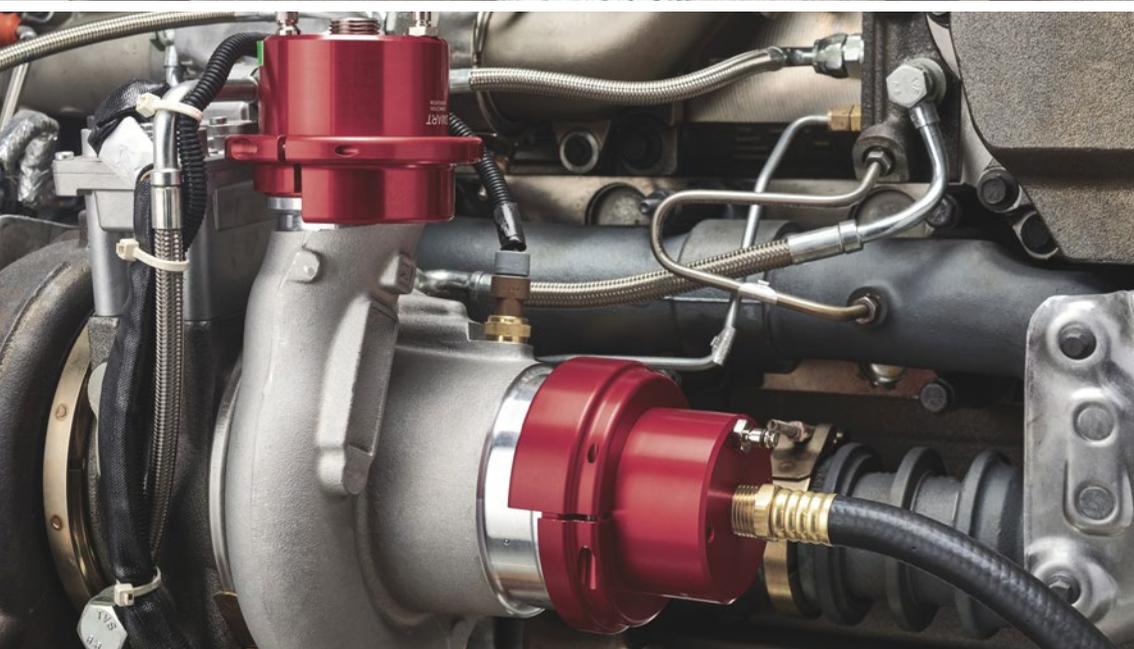
**FIG**

Gripping Connections  
to Cast and Rough  
Surfaces  
(120 psi/8.3 bar)

# Custom Engineered Solutions

» We Transform Connection Tools into Tailor-Made Solutions to Fit Your Exact Requirements

Our Team of Custom Engineered Solutions will work with you to identify and design the optimal Connection Tool for your testing needs. Having difficulty sealing a unique port? Issues with clearance? Let us help.





### **Initial Assessment**

Contact [fastsales@fastestinc.com](mailto:fastsales@fastestinc.com) to submit a custom application form.



### **Mapping the Application**

Our Team of Custom Engineered Solutions will work with you to provide optimal designs.



### **Complete Connection Tool Package**

We work with your Team to provide complete package of Connection Tools tailored to your testing requirements.



### **Setup Support**

We work with you to ensure a seamless integration.



### **Continual Support**

After setup, we maintain support to make sure all Connection Tools are working at peak performance.

## FASTEST GLOBAL DISTRIBUTION NETWORK



**Interested in Learning More? Have Questions?**

**Contact Us.**

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