



FASTEST[®]

FLUID POWER

Leak Test Quick Connect Tooling

Standard Quick Connectors for Hydraulic & Pneumatic Leak Testing and Fluid Transfer Applications

FasTest is the industry leading provider of precision quick connectors for leak testing of critical fluid power components or transferring of fluids into/out of a system. Designed to simplify the connection process, save time and enhance safety, FasTest quick connectors provide the user with confidence that a faster, reliable and repeatable connection to the part is possible. FasTest quick connectors:

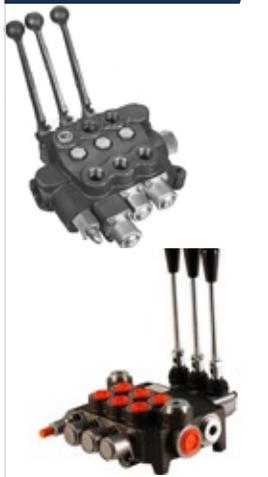
- **Eliminate Waste:** Reduce waste caused by failed leak tests.
- **Efficiency:** Reduce test setup time by up to 95%.
- **High Volume Production:** Ideal for high volume production testing.
- **No Additional Tools Needed:** No wrenches, tape, or sealants required for a leak-tight seal.
- **High-Pressure Applications:** Ideal for high-pressure testing applications up to 10,000 psi (689 bar).
- **Thread and Test Piece Protection:** Reduce damage to threads and test pieces.
- **Serviceability:** Easily serviceable to maximize production uptime.
- **Pressure-Assisted Sealing:** Eliminates the need for wrenches, significantly reducing operator fatigue.
- **Leak-Tight Seal:** Prevents contamination of media and reduces scrap and test damage.
- **Quick Connection:** Reduces test setup time, maximizing productivity and throughput.
- **Durability:** Stainless steel design ensures a long service life in demanding production environments.

Common Applications:

Hydraulic Motor/Pump



Directional Control Valve



Hydraulic Cylinder



Hydrostatic Transmission



Hose Assemblies



FasTest Helps Make Your Leak Testing Process LEAN!

TwistMate Series pg. 4



Connects To:

Male & Female JIC 37° Flare Fittings
(per SAE J514/ISO 8434-2)

Male & Female O-Ring Face Seal (ORFS) Fittings
(per SAE J1453/ISO 8434-3)

Straight Thread O-Ring Boss (ORB) Ports
(SAE J1926/SAE J514/ISO 11926)

Male & Female NPSM SWIVEL Fittings
(per SAE J514)

Male & Female NPT Fittings

FasMate Series pg. 5



Connects To:

Male JIC 37° Flare
(per SAE J514/ISO 8434-2)

Female SAE Straight Thread O-Ring Boss (ORB) Ports
(SAE J1926/SAE J514/ISO 11926)

Male & Female NPT Fittings

60/HPB Series pg. 6 & 7



Connects To:

Male & Female JIC 37° Flare Fittings
(per SAE J514/ISO 8434-2)

Male & Female O-Ring Face Seal (ORFS) Fittings
(per SAE J1453/ISO 8434-3)

Straight Thread O-Ring Boss (ORB) Ports
(SAE J1926/SAE J514/ISO 11926)

Male & Female NPSM SWIVEL Fittings
(per SAE J514)

Male & Female NPT Fittings

JN/JX Series pg. 8



Connects To:

Male & Female Straight Pipe/Tubing, ID or OD

Don't see a solution for your application?

 NOTE: Many common hydraulic fitting styles are referenced above. FasTest offers custom solutions for most applications. Contact factory.

Twist-On Connections for High-Pressure Testing Applications



JIC 37° SWIVEL NUT

TwistMate Series connection tools provide a simple, efficient seal to threaded ports and fittings for high pressure testing. Simply turn the connector onto the fitting until the connection is finger tight – **no wrenching or sealant is required**. The TwistMate’s proprietary design utilizes pressure-assisted sealing technology to instantly create a leak-tight connection when air, gas or hydraulic pressure is introduced.

TwistMate Advantages

- Ideally suited for high pressure testing applications up to 10,000 psi (689 bar)
- Finger-tight connection eliminates tape and sealants
- Pressure-assisted sealing eliminates wrenching and reduces operator fatigue
- Leak-tight seal prevents media contamination, reducing test part damage and scrap.
- Quick connection reduces test setup time and maximizes production uptime
- Stainless steel design endures demanding production environments

Technical Specifications

Operating Pressure	Up to 10,000 psi (689 bar)
Connection Profile	NPT, Metric, BSPP, BSPT, and SAE (JIC 37°, ORFS, ORB)
Material	Stainless Steel
Seal Material	Neoprene/Urethane
Operating Temperatures	-40°F to +250°F (-40°C to +121°C)

Female Thread Connections

MIT Swivel

MIT Non-Swivel

MIT Plug



Male Thread Connections

MET Swivel
Female Termination

MET Swivel
Male Termination

MET Cap



Instant Connections to Internal and External Threads



FN (Female Threads)



FX (Male Threads)

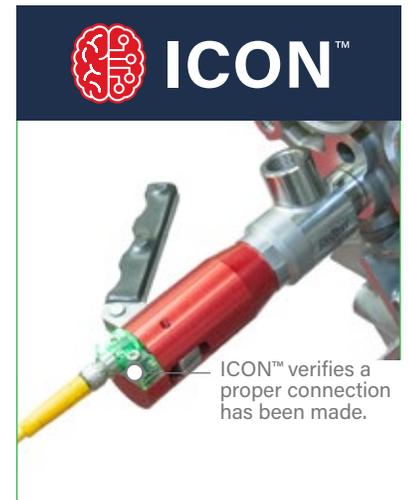
FasMate Series lever, thumb valve and pneumatically actuated connectors are an ideal method for **fast, safe and repeatable connections**. The lever, thumb valve or pneumatic operation delivers an instant, leak-free connection for a majority of leak test applications.

Technical Specifications

	FN Series	FX Series
Housing Material	Stainless steel and anodized aluminum	
Seal Material	Buna-N (Others Available)	
Connection Profile	Mates with NPT, Metric, BSPP, BSPT, and SAE threads	
Termination Profile	NPT or BSPP female thread port	
Operating Pressure	Vacuum to 5000 psi (Body sizes 1 to 4) Vacuum to 3500 psi (Body size 5) Vacuum to 750 psi (Thin walled pipe models)	
Operating Temp.	-40°F to +250°F (-40°C to +121°C)	
Maximum Side Load Rating	12.5 - 75 in-lbs (1.4 - 8.4 Nm)	12.5 - 50 in-lbs (1.4 - 5.65 Nm)
Pilot Pressure (Pneumatic & thumb valved models only)	65 - 120 psi (4.5 to 8 bar)	

FasMate Advantages

- Safe and reliable connection to threads for up to 5000 psi (345 bar)
- Modular design for squeeze lever, push button, or pneumatic actuation
- Field serviceable, reduce maintenance cost and downtime
- Pressure assisted gripping locks connector securely even under dynamic pressure
- Ergonomic product, reduce operator stress from repetitive motion
- Rugged, durable construction for demanding production environments
- Available with ICON™, FasTest's proprietary Intelligent Connection technology.



Female Thread Connections

Lever Actuator (FNL)



Pneumatic Actuation (FNP)



Valve Actuation (FNV)



shown with additional clamp kit



Male Thread Connections

Lever Actuator (FXL)



Pneumatic Actuation (FXP)



Valve Actuation (FXV)



Push to Connect for Male Thread Applications

Seal enhances as pressure increases



FasTest's 60 Series sleeve actuated connectors are an ideal method for fast, safe and repeatable connections to external threads and compression type fittings up to 750 psi.



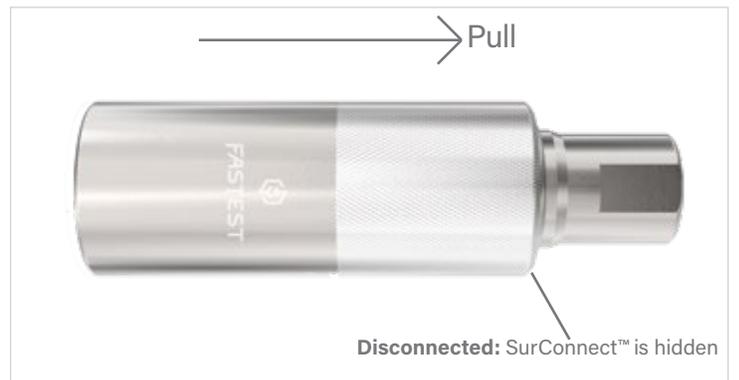
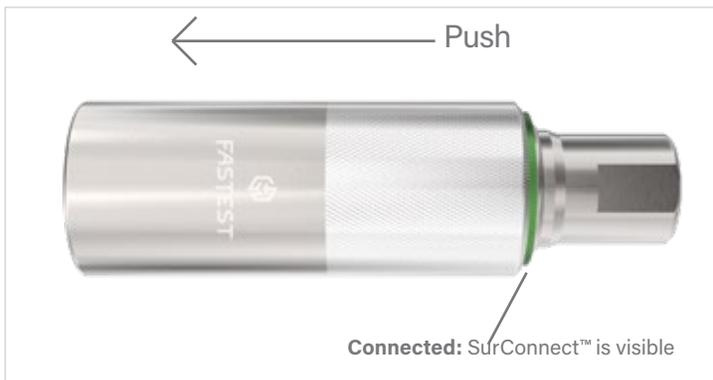
60 Series Advantages

- **SurConnect™** green indicator ring allows visual confirmation of proper connection.
- **Push/pull connection** fast and easy to use, reduces operator fatigue
- **Pressure assisted design** for operator safety under sealing pressures up to 750 psi
- **High flow design**, maximizes fill and testing efficiency
- **Durable** stainless steel construction for reliable connections & long life

Technical Specifications

Operating Pressure	750 psi (52 bar)
Connection Profile	NPT, Metric, BSPP, BSPT, and SAE (JIC 37°, ORFS)
Housing Material	Stainless Steel
Seal Material	Buna-N (Others Available)
Operating Temperatures	-40°F to +250°F (-40°C to +121°C)

Push to Connect, Pull to Disconnect



Push to Connect for High-Pressure Testing Applications



HPB Series sleeve actuated locking connectors for leak and pressure testing are an ideal method for fast, safe, and repeatable connections to external threads. Simply push the connector onto the threaded fitting to make an instant connection and begin the test.



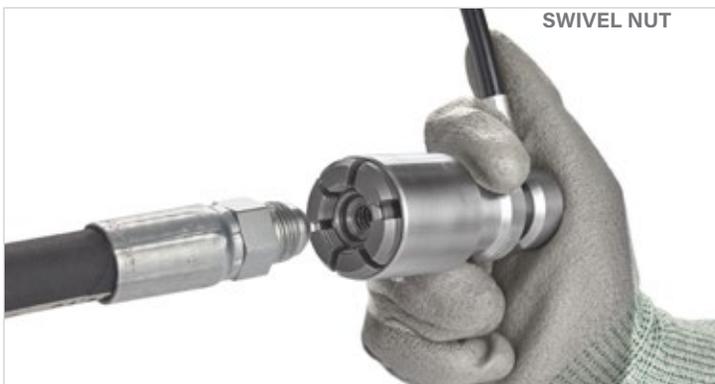
HPB Advantages

- Connect from vacuum to 5,000 psi without tape, sealant and wrenches
- The patented self-locking mechanism and collet design prevents accidental disconnect while under pressure
- Quickly connect without damaging threads or test pieces
- Ergonomic sleeve actuation minimizes repetitive motion injuries
- Durable design with easily replaceable wear components minimizes maintenance downtime.

Technical Specifications

Operating Pressure	5000 psi (345 bar)
Connection Profile	NPT, Metric, BSPP, BSPT, and SAE (JIC 37°, ORFS & SWIVEL NUTS)
Housing Material	Stainless Steel
Seal Material	Buna-N (Others Available)
Operating Temperatures	-40°F to +250°F (-40°C to +121°C)

Push to Connect, Pull to Disconnect



Lever Actuated for Internal Tubes & Bores Applications



JNL Series connectors use lever actuation, and unique grip and seal technology to create an internal connection to a variety of tube profiles. The JNL connectors are ideal for sophisticated, high pressure testing applications.

The JN/JX Series Advantage

- Instant connection to straight bore, step bore, smooth or cast surfaces to 1,000psi
- Safety design feature prevents accidental disconnect under pressure
- Collet design provides maximum grip pressure with minimal distortion of test piece
- No adjustments required by operator
- Single seal design allows simple, quick in field maintenance

Technical Specifications

	JXL Series	JNL Series Body Size 0 & 1	JNL Series Body Size 2
Housing Material	Aluminum, stainless steel, and delrin		
Seal Material	Neoprene		
Connection Profile	Straight bore, step bore, smooth or cast surfaces		
Termination Profile	Female threads NPT		
Operating Pressure	Vacuum to 1000 psi (69 bar)	Vacuum to 1000 psi (69 bar)	Vacuum to 750 psi (51 bar)
Operating Temperatures	-40°F to +250°F (-40°C to +121°C)		
Tube Diameter Size Range	To 7/8" (22.2mm) OD sealing diameter	To 1 5/8" (41mm) ID sealing diameter	

Lever Actuated for External Tubes Applications



JXL Series connectors use lever actuation, and unique grip and seal technology to create an external connection to a variety of tube profiles. The JXL connectors are ideal for sophisticated, high pressure testing applications that require an external seal.





Don't see a solution for your application?

Submit a custom application form and drawing to fastsales@fastestinc.com or to your local distributor.

Custom Designs for Optimized Solutions

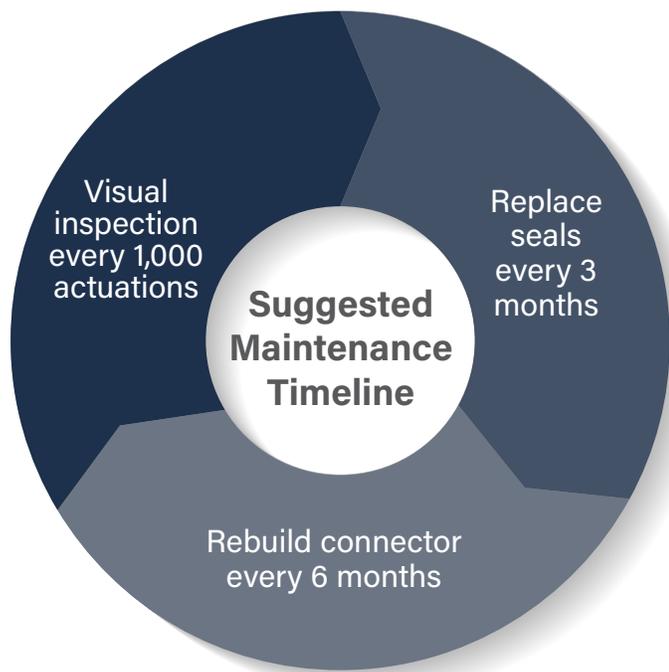
FasTest offers engineering services that are dedicated to providing customized connection solutions for our customers' unique applications. Building off our wide range of standard product platforms, and 40 years of experience, FasTest is able to provide cost-effective, custom sealing solutions in a timely manner, for a variety of filling, processing and testing applications.

- Specifically designed by FasTest engineers for a customer application
- Industry best lead times and project management for fast, on-time delivery
- Premium designs for enhanced safety and reliability for unique applications
- Rigorous validation process ensures your FasTest solution provides a leak tight connection



FasTest connectors are a critical part of our customers' quality assurance. FasTest's seals and repair parts are specifically engineered for your connector. To ensure and prolong the peak performance of FasTest connectors, proper maintenance with FasTest Genuine Parts, including seals, o-rings and other wear components, is required.

FasTest connectors require main seals and internal components to be replaced periodically throughout the connector's life.



Connector main seals should be visually inspected every 1000 actuations.

- **Main Seal Replacement:** For frequently used connectors, replace the main seals at least every 10,000 actuations or every three months—whichever comes first.
- **Routine Rebuilds:** Disassemble and rebuild each FasTest connector with new key wear components every six months.
- **Performance Assurance:** Regular maintenance ensures internal components and lubricants continue to operate at peak performance.

Only FasTest Genuine Parts should be used with FasTest connectors. Main seals and replacement parts are made and specified by FasTest for FasTest connectors. FasTest Genuine Parts ensure that our customers' production line and manufacturing processes are performing to the highest standards.

How to Order Maintenance Parts

1. **Visit the Website:** Go to fastestinc.com
2. **Navigate to Maintenance Parts Page:** Go to "Maintenance Parts" under the "Support" tab on the menu.
3. **Find the Part You Need:** Enter your FasTest® part number or select your FasTest® connector details to find seal kits, bulk seal kits, rebuild kits, and other maintenance parts.

NOTE: Connector maintenance, operating and rebuild instructions are available under the "Instructions" tab on individual product pages.



Find Local Distributor

Visit:

fastestinc.com/distributors



Request Quote

Visit:

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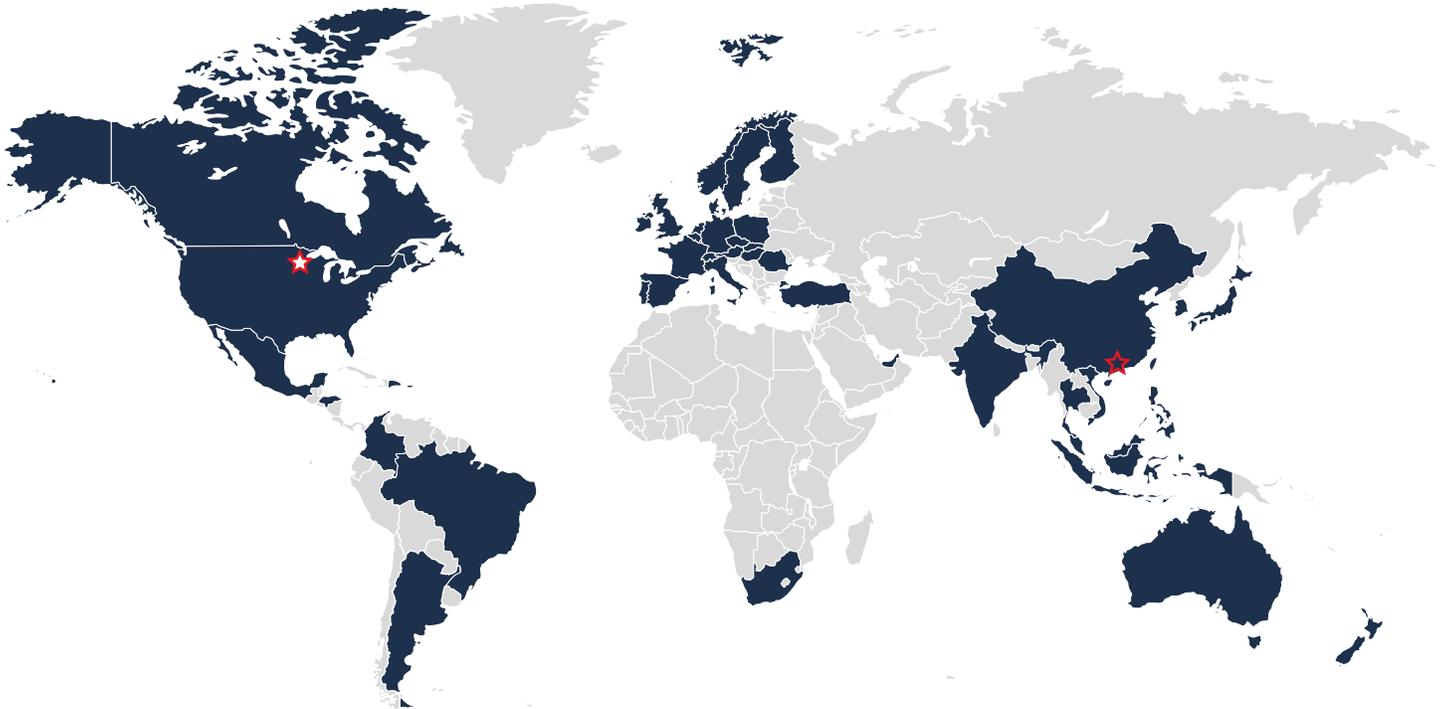


Order Online

Visit:

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FasTest Distribution Network | Global Coverage, Local Support



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Patents

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

Limited Express Warranty

FasTest Inc. warrants its products against defects in workmanship and materials for 12 months from the date of sale by FasTest 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 FasTest Inc.'s written recommendations and/or instructions.

See website for complete warranty information.

Custom Applications

FasTest 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

FasTest Inc. is ISO 9001: 2015 certified.