



Quick Connection Tools for Fluid Power Applications

FastTest®

Create leak tight connections
in seconds for safe, reliable
and efficient leak tests

LEAK TIGHT CONNECTIONS



Off-Highway



Agriculture/
Turf Care



On-Highway



Concrete/
Mining



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

NOW AVAILABLE WITH
Connection Verification™



fastestinc.com
Made in the USA



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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 caused by failed leak tests
- Reduce test setup time by up to 95%
- Ideal for high volume production testing
- No wrenches, tape or sealants required for a leak tight seal
- Ideal for high-pressure applications up to 10,000psi (689 bar)
- Reduce damage to threads and test pieces
- Easily servicable to maximize production uptime

Common Applications:



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 Series pg. 6



Connects To:

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

HPB Series pg. 7



Connects To:

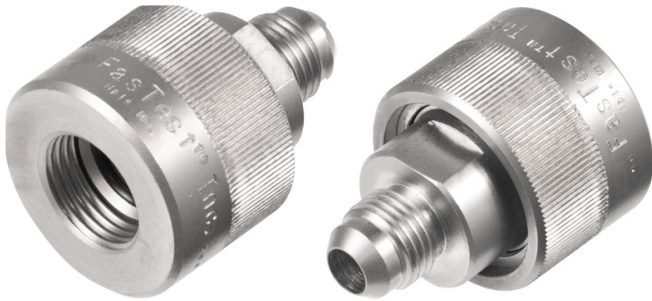
- Male & Female JIC 37° Flare Fittings**
(per SAE J514/ISO 8434-2)
- Male & Female O-Ring Face Seal (ORFS) Fittings**
(per SAE J1453/ISO 8434-3)
- Straight Thread O-Ring Boss (ORB) Ports**
(SAE J1926/SAE J514/ISO 11926)
- Male & Female NPSM SWIVEL Fittings**
(per SAE J514)
- Male & Female NPT Fittings**



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 to connect for High-Pressure Testing Applications



JIC 37° SWIVEL NUT

TwistMate Series quick connection tools provide a **simple, efficient seal** to threaded ports and fittings to isolate your test part. 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.

The TwistMate Advantage

- 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 contamination of media and **reduces scrap and test damage**
- 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



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 deliver an instant threaded leak tight and high pressure test connection.

The FasMate Advantage

- **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 Connection Verification™**

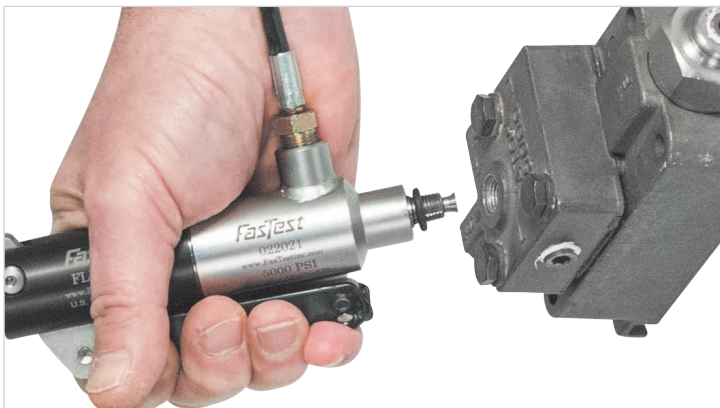
Technical Specifications

	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)	



Female Thread Connections

Lever Actuator (FNL) Pneumatic Actuation (FNP) Valve Actuation (FNV)



Male Thread Connections

Lever Actuator (FXL) Pneumatic Actuation (FXP) Valve Actuation (FXV)



Push to connect for Male Thread Applications

Seal enhances as pressure increases



SurConnect™ green ring only visible when properly connected.

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.

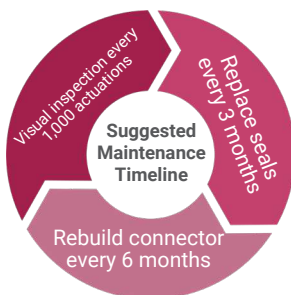
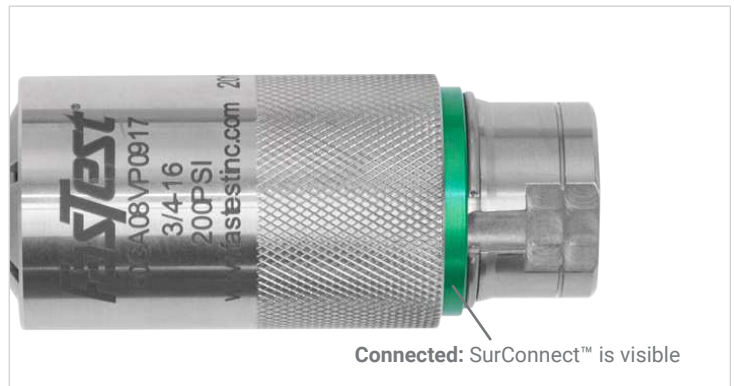
The 60 Series Advantage

- SurConnect™ highly visible green ring verifies 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



Only FasTest Genuine Parts should be used with FasTest connectors. Main seals and replacement components for customers' production line and manufacturing processes are performing to the highest standards.

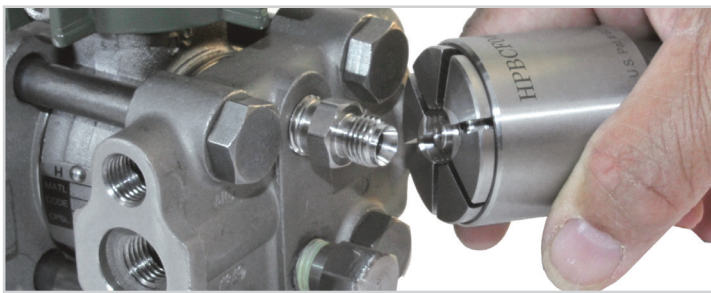
FasTest connectors require main seals and internal components to be replaced periodically.

Connector main seals should be visually inspected every 1000 actuations. For regularly used connectors, inspect first. Each FasTest connector should be disassembled and rebuilt with new key wear components. Proper lubricants will continue working at peak performance.

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.



Push to Connect



The HPB Advantage

- 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 easy to replace wear components

Technical Specifications

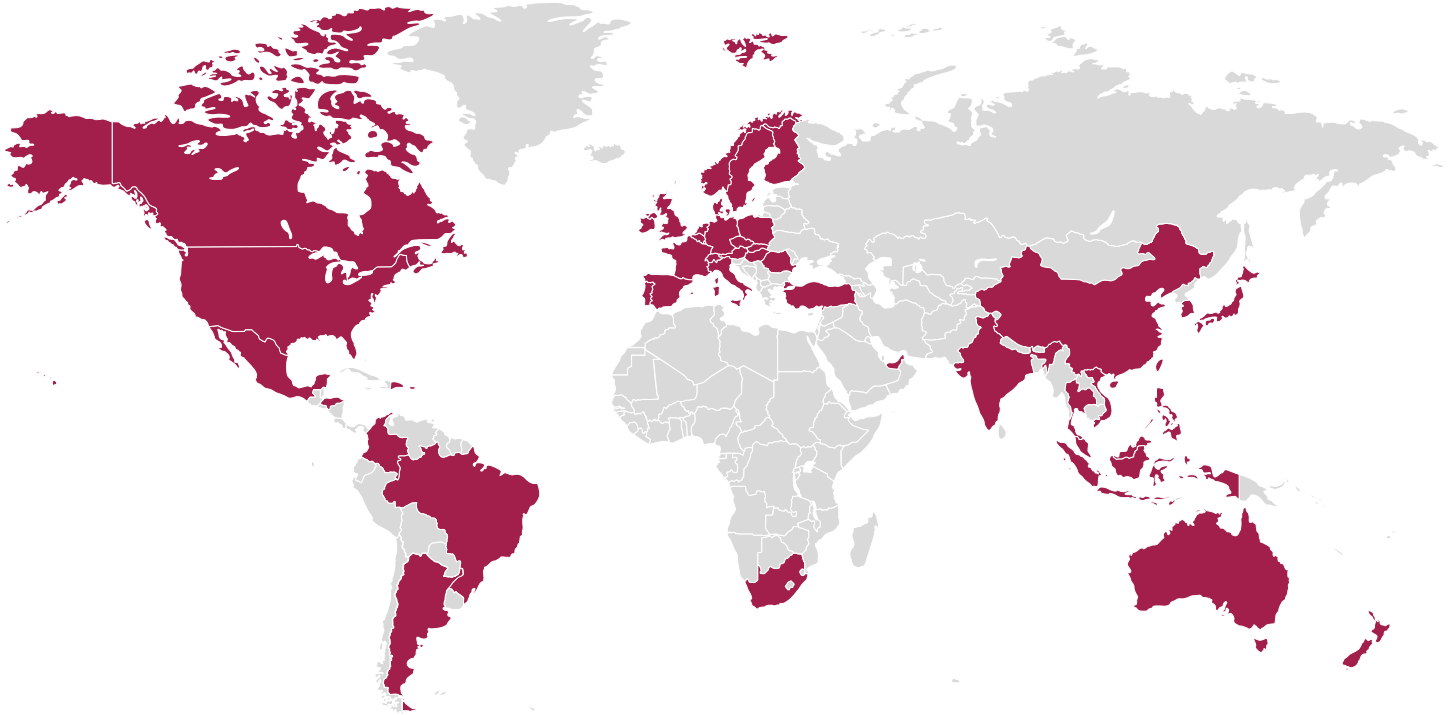
Operating Pressure	5000 psi (345 bar)
Connection Profile	NPT, Metric, BSPP, BSPT, and SAE (JIC 37°, ORFS & SWIVEL NUTS)
Housing Material	Stainless Steel
Seal Material	Buna-N (Others Available)
Operating Temperatures	-40°F to +250°F (-40°C to +121°C)

Replacement parts are made and specified by FasTest for FasTest connectors. *FasTest Genuine Parts* ensure that our standards.

ly throughout the connector's life.

Used connectors, main seals should be replaced at least every 10,000 actuations or every three months, whichever occurs first. Replace wear components once every six months to maintain their optimal performance. This ensures the internal components and

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.

All products are designed and manufactured by FasTest Inc. USA

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.

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