LEAK TIGHT CONNECTIONS

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

- 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™
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:

- Hydraulic Motor/Pump
- Directional Control Valve
- Hydraulic Cylinder
- Hydrostatic Transmission
- Hose Assemblies

FasTest Helps Make Your Leak Testing Process LEAN!
FasTest Connector Families
Find Your Connection Solution

FasTest Connector Families
Find Your Connection Solution

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

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

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

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.

Male Thread Connections
- MET Swivel
- MET Swivel Female Termination
- MET Swivel Male Termination
- MET Cap

Female Thread Connections
- MIT Swivel
- MIT Non-Swivel
- MIT Plug
- MET Swivel Female 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

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

Female Thread Connections

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

Male Thread Connections

- Lever Actuation (FXL)
- Pneumatic Actuation (FXP)
- Valve Actuation (FXV)
60 Series | Threaded Connections

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.

Push to Connect

Disconnected: SurConnect™ is hidden

Connected: SurConnect™ is visible

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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Operating Pressure</td>
<td>750 psi (52 bar)</td>
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<tr>
<td>Connection Profile</td>
<td>NPT, Metric, BSPP, BSPT, and SAE (JIC 37°, ORFS)</td>
</tr>
<tr>
<td>Housing Material</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Seal Material</td>
<td>Buna-N (Others Available)</td>
</tr>
<tr>
<td>Operating Temperatures</td>
<td>-40°F to +250°F (-40°C to +121°C)</td>
</tr>
</tbody>
</table>

Only FasTest Genuine Parts should be used with FasTest connectors. Main seals and replacement parts are made and specified by FasTest for FasTest connectors. Main seals and internal components to be replaced periodically throughout the connector’s life.

Connector main seals should be visually inspected every 1000 actuations. For regularly used connectors, main seals should be replaced at least every 10,000 actuations or every three months, whichever occurs first. Each FasTest connector should be disassembled and rebuilt with new key wear components every six months.
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.

### 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

<table>
<thead>
<tr>
<th>Operating Pressure</th>
<th>5000 psi (345 bar)</th>
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<tbody>
<tr>
<td>Connection Profile</td>
<td>NPT, Metric, BSPP, BSPT, and SAE (JIC 37°, ORFS &amp; SWIVEL NUTS)</td>
</tr>
<tr>
<td>Housing Material</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Seal Material</td>
<td>Buna-N (Others Available)</td>
</tr>
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<td>Operating Temperatures</td>
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FasTest Genuine Parts ensure that our standards.

Replacement parts are made and specified by FasTest for FasTest connectors. FasTest Genuine Parts ensure that our standards.
FasTest Distribution Network | Global Coverage, Local Support

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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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