



**FASTEST<sup>®</sup>**

# MEDICAL / LIFE SCIENCES

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Leak Test Quick Connect Tooling

## Industry-leading Medical Device Test Connectors

*FasTest* is the world's leading manufacturer of quick connection tools for leak testing and fluid transfer applications. Our quick connection tools are safe and easy to use, and are more reliable than competitive or "home made" connection solutions. Our customers realize improved product throughput at higher quality levels and overall reduced product scrap cost.

For over 40 years, *FasTest* has been recognized for providing proven and dependable medical quick connection tools based on industry leading designs that result in superior performance in our customer's application.

Used by major manufactures of luers, lumens, catheters, stents, syringes, and their medical components/devices, *FasTest* medical quick connection tools have become the standard for safe and reliable connection requirements. Ergonomic designs and easy maintenance makes *FasTest* the industry preferred connector source.

## FasTest's Medical Connector Advantages



- **Housing Material** - Clear bright dipped anodized aluminum host material. Stainless steel offered as an option. (Note: ME101 is red anodized aluminum)
- **Seal Materials** - White FDA approved Neoprene, Silicone, or Fluorocarbon main seals (Certification: White FDA Neoprene main seal material to be compliant to 21CFR177.2600.)
- **Cleaning Process**- All *FasTest* Medical Grade connectors are produced and double bagged in the *FasTest* Controlled Environment. Contact factory for specific details.
- **Lubrication** - Krytox® PFPE (Poly Fluoro Poly Ether) lubricant is the standard lubricant used to lubricate critical surfaces in *FasTest* Medical Grade connectors. It is a chemically inert high purity lubricant that is USDA H-1 approved for incidental food contact and has been determined by the NSF to be in compliance with FDA 21 CFR, Part 178, Section 178.3570. Krytox is also approved for oxygen service applications. Petroleum jelly is the alternate lubricant upon request.

## Customized Designs for Optimized Solutions

*FasTest* is able to use and adapt our core products and other components to solve your connection requirements. We are committed to working in partnership with our customers to provide the ideal custom solution.

Call *FasTest* to see if our *Engineered Solution* capabilities can meet your demand.

## Learn More at [www.fastestinc.com](http://www.fastestinc.com)



Choose a connector that's right for your application



Find a distributor near you



Purchase replacement seals and repair kits



Watch demonstrational videos



Follow us in real time



**ME SERIES - Automated External Connection to Medical Devices and Tubing**



**Pages 4 - 6**

**ME101 - Automated External Connection with Extended Seal Range for High Volume Production**



**Page 7**

**60M SERIES - Manual, High Pressure Connection for Low Volume Production**



**Page 8**

**ML SERIES - Pneumatic Actuation Connection for High Pressure, Low Volume Production**



**Page 9**

**MLL SERIES - Pneumatic Actuation Connection for Low Pressure, Low Volume Production**



**Page 10**

**MLH SERIES - Pneumatic Actuation Connection for High Pressure, Low Volume Production**



**Page 10**

## Typical Medical Device Applications

**Luer Connections**



**Valves**



**Filters**



**Syringes/  
Hypodermic Tubing**



**Stents**



# ME Series



**ME Medical Series Connectors** seal conventional and non-standard surfaces of tubes, luers, catheters and other smooth or threaded parts. Compressed air activates the elastomeric seal for testing to 500 psi.

## ME Series Advantages

- For external sealing of Catheters, Lumens, Luers and other cylindrical parts
- Test pressure ranges from vacuum to 500 psi
- Clear anodized aluminum construction

## Technical Specifications

Operating Pressure	500 psi (34.4 bar)
Connection Method	Automated Pneumatic
Housing Material	Aluminum
Seal Material	FDA Approved Seals
Termination	1/8" NPT (Female)

# ME Series with ICON™

FasTest has integrated Intelligent Connection Technology into the ME01 connection tool for leak testing medical devices and components. ICON™ allows users to verify a leak-tight connection has been made prior to starting a test and help eliminate costly False Failures.

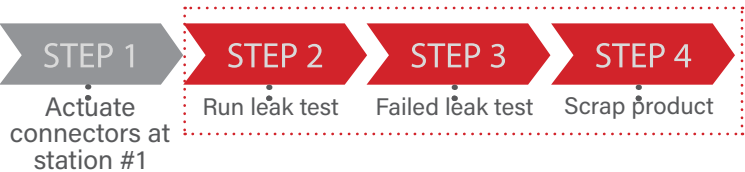


## Improve Your Device Testing Process

- Verify connections prior to starting a leak test
- Reduce product scrap caused by False Failures
- Instant non-marring, leak-tight connections up to 500 psi
- Pneumatic actuation for high cycle testing
- Help ensure product quality & customer safety
- FDA compliant materials and seals

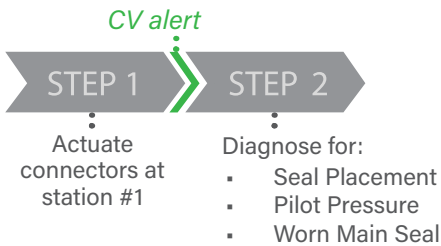
**FasTest’s proprietary ICON Intelligent Connector Technology helps eliminate false failures.**

Current Medical Device Leak Testing:

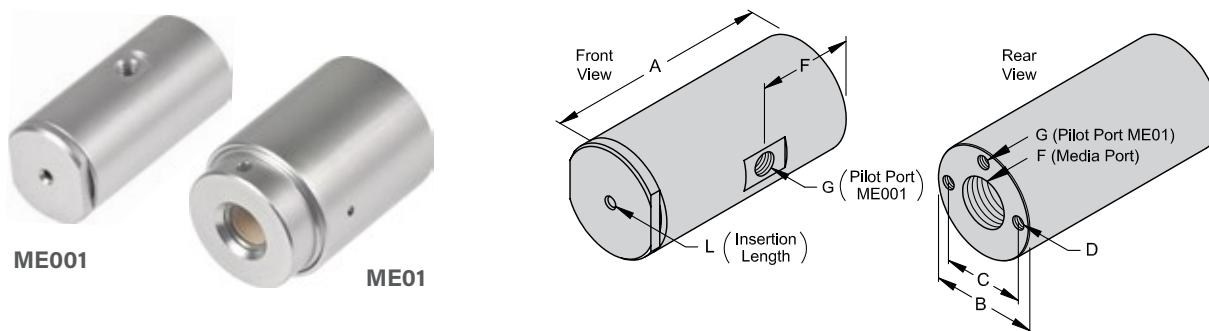


**False Failures are the #1 cause of waste in Medical Device Leak Testing**

Medical Device Leak Testing with ICON™:



# ME Series



## Medical External (ME) Connectors - English Mounting Holes and Pilot Ports

Part Number	Sealing Range	Dim A	Dim B	Dim C	Dim D	Dim E	Dim F	Dim G	Dim L	Repair Kit	Main Seal Set*	Main Seals Package (5)
ME001-0030	0.015"-0.030"	1.72"	0.84"	0.63"	4-40 UNC	0.72"	1/8" NPT	10-32 UNF	0.16"	MER001	MES001-0030	MEB001-0030
ME001-0050	0.030"-0.050"										MES001-0050	MEB001-0050
ME001-001	0.050"-0.080"										MES001-001	MEB001-001
ME001-002	0.080"-0.130"										MES001-002	MEB001-002
ME01-01	0.100"-0.180"	2.05"	1.49"	1.10"	10-32 UNF	N/A	1/8" NPT	10-32 UNF	1.58"	MER01	MES01-01	MEB01-01
ME01-02	0.180"-0.260"										MES01-02	MEB01-02
ME01-03	0.260"-0.340"										MES01-03	MEB01-03
ME01-04	0.340"-0.420"										MES01-04	MEB01-04
ME01-05	0.420"-0.510"										MES01-05	MEB01-05

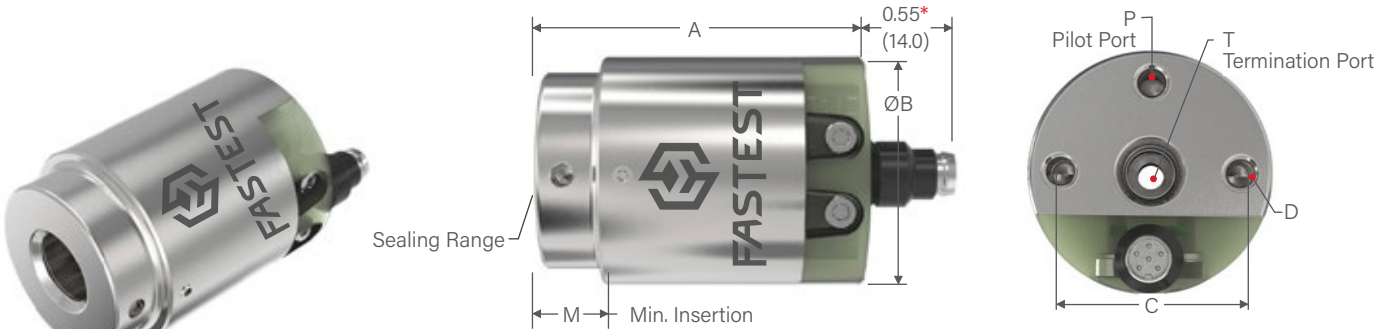
## Medical External (ME) Connectors - Metric Mounting Holes and Pilot Ports

Part Number	Sealing Range (mm)	Dim A	Dim B	Dim C	Dim D	Dim E	Dim F	Dim G	Dim L	Repair Kit	Main Seal Set*	Main Seals Package (5)
ME001-0030M	0.38-0.80	1.72"	0.84"	0.63"	M2.5	0.72"	1/8" BSPP	M5	0.16"	MER001	MES001-0030	MEB001-0030
ME001-0050M	0.80-1.30										MES001-0050	MEB001-0050
ME001-001M	1.30-2.00										MES001-001	MEB001-001
ME001-002M	2.00-3.30										MES001-002	MEB001-002
ME01-01M	2.50-4.60	2.05"	1.49"	1.10"	M5	N/A	1/8" BSPP	M5	1.58"	MER01	MES01-01	MEB01-01
ME01-02M	4.60-6.60										MES01-02	MEB01-02
ME01-03M	6.60-8.60										MES01-03	MEB01-03
ME01-04M	8.60-10.70										MES01-04	MEB01-04
ME01-05M	10.70-13.00										MES01-05	MEB01-05

\*Includes seals(s) and metal parts for one complete seal change.



# ME01 Series with **ICON™**



\*Dimension only applies to ME with ICON™ Technology  
(Base Part Numbers that include "CV04ANA" or "CV04SSR").

Dim A	Dim B	Dim C	Dim D	Dim E	Dim F	Dim G	Dim H	Dim J	Dim K	Dim L	Dim M	Dim N	Dim P
2.05 (52.1)	1.49 (37.9)	1/8" NPT	10-32" UNF	1.10 (28.0)	0.55 (14.0)	10-32" UNF	0.52 (13.3)	0.52 (13.3)	0.41 (10.4)	0.58 (14.8)	0.26 (6.6)	0.52 (13.2)	0.29 (7.4)

Dimensions in inches (mm)

## Technical Specifications

Part ID	NPN: ME01CV03NPN PNP: ME01CV03PNP Analog: ME01CV03ANA
Connection Method	Automated Pneumatic
Housing Materials	Aluminum
Main Seal Washers	Steel QPQ treated or Stainless Steel
Main Seal	FDA approved Neoprene
O-Rings	FDA approved Viton
Operating Pressure	500 psi (34.4 bar)
Pilot Operation	60 to 90 psi air supply
Termination	1/8" NPT (Female)

Additional SMART Specs:
NPN (max 100 mA load) PNP (max 20 mA load) Analog (0-10V)
Supply voltage: 24V
Over-voltage protection
Sealed electronics
Internal memory stores limits

## Seal Sets\*

Sealing Range	Main Seal	Bulk Kit (5)
.100"-.180"	MES0101	MEB0101
.180"-.260"	MES0102	MEB0102
.260"-.340"	MES0103	MEB0103
.340"-.420"	MES0104	MEB0104
.420"-.510"	MES0105	MEB0105

\*Seal sets must be ordered separately from connector.

# ME101



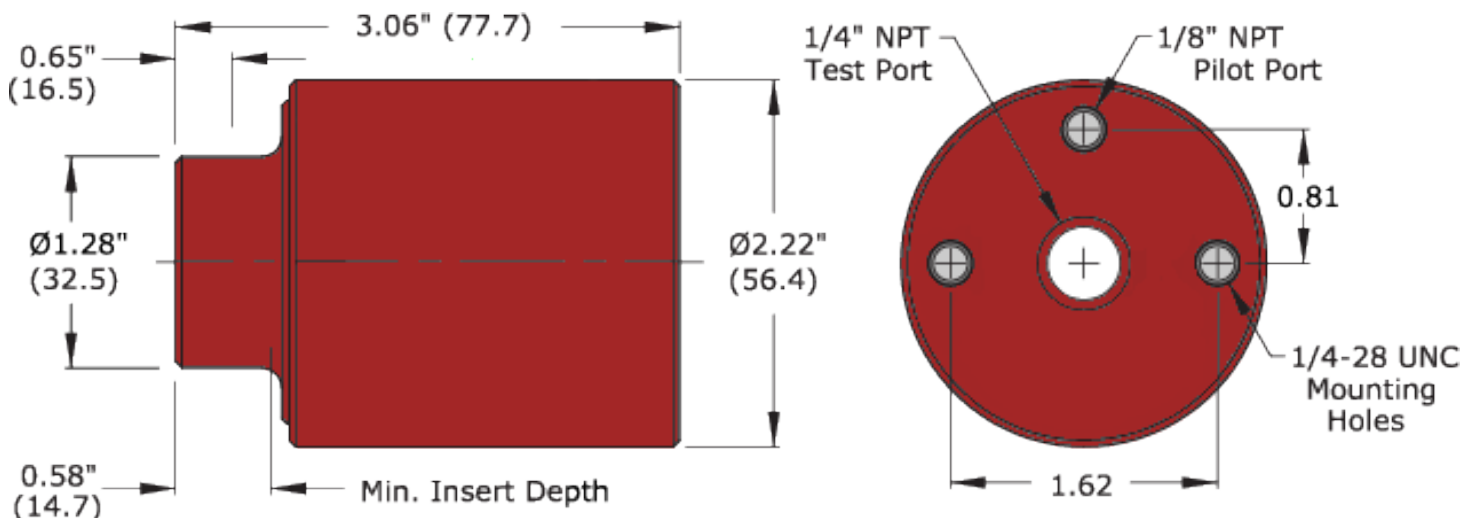
## ME101 Advantages

- Quickly make leak-proof connections to tubes, luers, catheters and other smooth or threaded parts
- Well suited for high volume automated testing applications
- White FDA approved neoprene seals used in clean room testing environments
- Sizes available:
  - 0.100" to 0.180"
  - 0.180" to 0.260"
  - 0.260" to 0.340"
  - 0.340" to 0.420"
  - 0.420" to 0.510"

**ME101** connectors are a modified ME Series quick connector with larger housing to increase seal movement. This movement maximizes seal compression and is ideal for leak or pressure testing a wider range of small or unusual shaped medical devices without the use or cost of a pilot booster.

## Technical Specifications

Operating Pressure	500 psi (34.4 bar)
Connection Type	Medical Luers
Connection Method	Automated Pneumatic
Termination	1/4" NPT (female)



## 60M Series



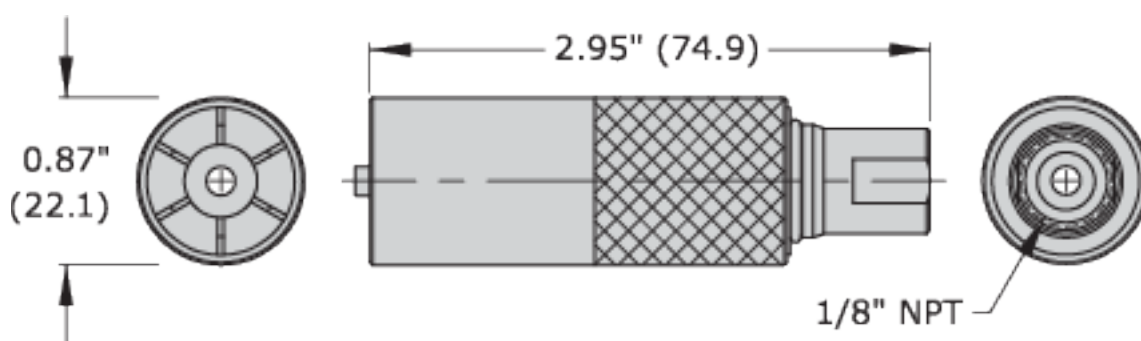
**60M Series Medical Connectors** connectors with simple to use, sleeve operation are one of FasTest's latest innovations that save time and improves testing processes for medical luer manufacturers.

### 60M Advantages

- Mechanical actuation eliminates plumbing and fittings costs required in pneumatic test applications
- Collet design locks securely to luer feature for instant test connections from vacuum to 750 psi (51 bar)
- No operator adjustment eliminates over or under tightening which can damage luer or false fail in testing
- Easy sleeve action is ergonomic and eliminates repetitive twisting and turning
- Durable stainless steel design with easy to replace main seal

### Technical Specifications

<b>Operating Pressure</b>	750 psi (51.7 bar)
<b>Connection Type</b>	Medical Luers
<b>Connection Method</b>	Sleeve Actuated
<b>Termination</b>	1/8" NPT (female)
<b>Housing Material</b>	300 Series stainless steel, anodized aluminum, Krytox lubricant
<b>Seal Material</b>	FDA list Viton seal material





# ML Series



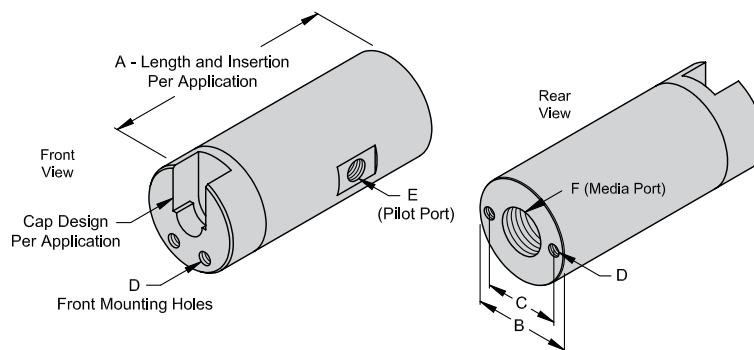
## ML Series Advantages

- For fixturing and sealing of male or female Luer fittings
- Test pressure ranges from vacuum to 500 psi
- Clear anodized aluminum construction

## Technical Specifications

Operating Pressure	750 psi (51.7 bar)
Connection Type	Medical Luers
Connection Method	Sleeve Actuated
Termination	1/8" NPT (female)

**ML Series Medical Connectors** are specifically designed to test many types of luers. **FasTest's** proprietary hold and seal design secures the luer while a special piston seals the internal portion of the luer. ML series connectors can be used manually or automated with sealing pressures to 500 psi. Actual pressure will vary based on the type of luer.



## Medical Luer (ML) Connectors - English Mounting Holes and Pilot Ports

Part Number	Sealing Range	Dim A	Dim B	Dim C	Dim D	Dim E	Dim F	Repair Kit	Main Seal Set	Main Seals Package (5)
ML001- ...	Sized to Part	Application Dependent	0.84"	0.63"	4-40 UNC	10-32 UNF	1/8" NPT	MER001	Sized to Part	Sized to Part

## Medical Luer (ML) Connectors - Metric Mounting Holes and Pilot Ports

Part Number	Sealing Range	Dim A	Dim B	Dim C	Dim D	Dim E	Dim F	Repair Kit	Main Seal Set	Main Seals Package (5)
ML001- ... M	Sized to Part	Application Dependent	0.84"	0.63"	M2.5	M5	1/8" BSPP	MER001	Sized to Part	Sized to Part

### Notes:

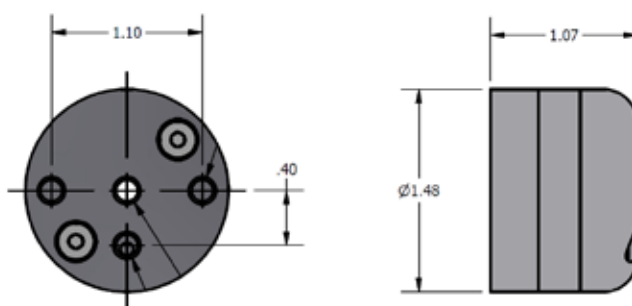
The Medical Luer "ML Series" connectors are designed to your specific application requirements.

## MLL/MLH Series

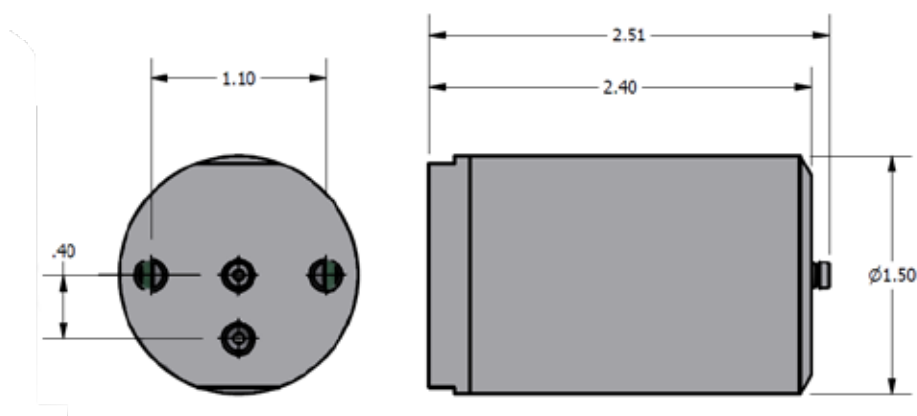


### MLL/MLH Series Advantages

- Quick connectors provide a fast, ergonomic, and reliable connection
- Manufactured from stainless steel and clear anodized host material
- Cleaned and assembled within our controlled environment to ensure superior quality and performance
- FDA approved seals for use in clean room testing environments
- Field repairable



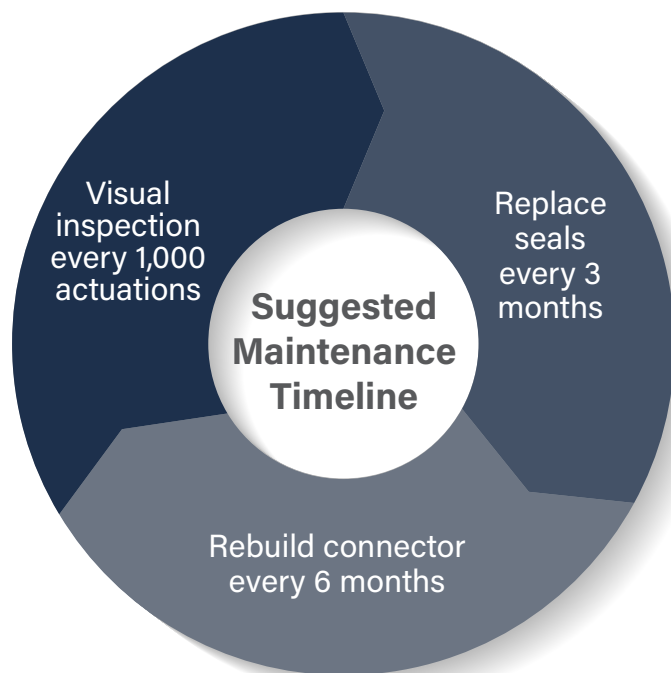
Connector P/N	Description	Main Seal Kit	Termination Port Size	Pilot Port Size	Pilot Pressure	Process (Main) Pressure	Mounting Holes
MLL2001	Low Pressure, LuerMate	S6LT18120 Tubing	10-32 (M5)	10-32 (M5)	80-100 Max is Best	< 100 psi, 80 psi is typical	10-32 UNF



Connector P/N	Description	Main Seal Kit	Termination Port Size	Pilot Port Size	Pilot Pressure	Process (Main) Pressure	Mounting Holes
MLH2001	High Pressure, LuerMate	S1001050B70	10-32 (M5)	10-32 (M5)	50-100	Full vacuum to 500 psi	10-32 UNF

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.



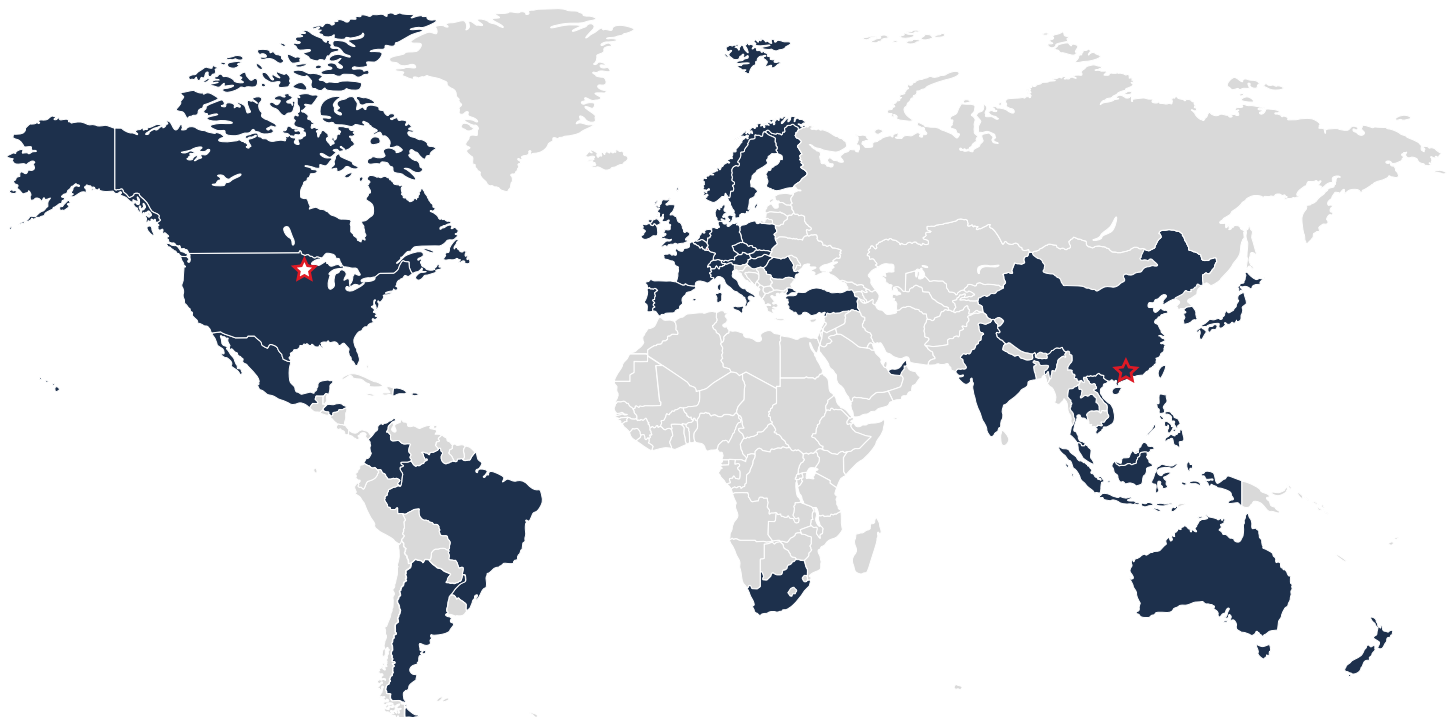
**Only FasTest Genuine Parts should be used with FasTest connectors. Main seals and replacement parts are made and specified by FasTest for FasTest connectors. FasTest Genuine Parts ensure that our customers' production line and manufacturing processes are performing to the highest standards.**

## How to Order Maintenance Parts

1. **Visit the Website:** Go to [fastestinc.com](http://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.**

# FasTest Distribution Network | Global Coverage, Local Support



## ★ Headquarters in USA

1646 Terrace Drive • Roseville, MN 55113-1317  
Phone: +1.651.645.6266 - Fax: +1.651.645.7390  
[www.fastestinc.com](http://www.fastestinc.com)

## ★ Shenzhen | China

No.32 Fuyuan 1st Road, FuHai Residential District  
Baoan Shenzhen, China 518103  
Phone: +86-755-2708-4905

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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.

Updated 05/2025



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