Operating Instructions:

Connecting Action:
1. Insert connector into test piece. Make sure test piece is inserted to the required minimum insertion length. This will assure proper location relative to the seals.
2. Rotate lever to the 90-degree position for grip and seal action. After connecting, always tug on the connector to assure proper engagement and gripping of the collet before introduction of pressurized test media.
3. Introduce test media through test port.

Note: Lever is designed to rotate down when connector test port is on top.

Disconnecting Action:
1. Vent test media pressure.
2. Rotate lever to in-line position.
3. Remove connector.

Note: Connector should be pulled straight back. If connector catches, push forward, and pull back. Do not attempt to force out a connector that is catching. This will cause it to jam in the test piece port.

Dimensional Information:

All dimensions apply to both sizes except “L” (minimum insertion length of test piece for standard application).

Lever Action

Lever in-line for connector insertion and disconnect

Lever at 90-degree position, grip and seal.

Collet and Seal Installation for JNL Connector:

Assembly of Collet and Seal Set:
1. Set connector shaft (A) on table so that the threaded end is pointed upward. Place main seal (B) onto shaft as shown. Place shaft O-ring (I) into groove shown. Most easily installed from side. Sleeve ramp may need to be squeezed close to flat end of shaft to expose c-ring groove.
2. Install sleeve ramp (C) onto shaft so that smooth flat area is against main seal.
3. Place small C-Ring (D) into groove shown. Most easily installed from side.
4. Assemble the collet segments (F) and retaining o-ring(s) (E) & (G). Arrange the four pieces of collet (F) into a circle with the raised area facing upward. Place the retaining o-ring(s) into the groove(s) on the raised area.
5. Install complete collet and retaining o-ring assembly onto shaft (A) as shown in diagram. Note that the I.D. of the collet assembly is tapered. Larger end of this tapered I.D. goes on the shaft (A) first.
6. Place washer (H) on shaft (A).
7. Place shaft o-ring (I) onto shaft (A) and into groove immediately in front of thread.
8. The shaft assembly is now ready to attach to the connector body. Apply a drop of Loctite® to the threads to avoid loosening during use.
9. Holding body (J) with shaft hole pointed downward, insert threaded end of shaft (A) into hole in body (J). Using a hex wrench in hex hole at front of shaft, tighten shaft into body until snug. Collet set should be threaded in so that edge of collet (F) overlaps edge of sleeve ramp (C) by approximately .02”.
10. Final adjustment requires a Ø.105 gage pin for JNL0H connectors and a Ø.130 gage pin for JNL1 connectors.
11. Slide required gage pin in the gap between collet and sleeve, collet set is properly adjusted if the gage pin slips in with little (.005” or less) clearance. If pin requires any force at all to slip in, the collet set should be re-adjusted.
12. Rotate the lever to activate connector. Visually verify that the connectors gripping and sealing action is correct before introduction of pressurized test media.

CAUTION: Keep fingers away from collet assembly. Pinching can occur.
OPERATING INSTRUCTIONS

Replacement of Main Seal:
1. Place lever in the in-line position so that seal/collet assembly is in the relaxed position. Using a pointed repair tool to get behind the main seal (B) and roll this seal over the front of shaft.
2. Verify correct size and material of replacement main seal.
3. Install the replacement main seal (B) by rolling it over the front end of shaft into the space between the shaft and sleeve ramp (C). Be sure seal is seated in groove.
4. Rotate lever to actuate connector. Visually verify that the connector gripping and sealing action is correct.

CAUTION: Attach assembled FastTest® connector to a test piece and tug on the connector to assure proper engagement and gripping of collet before introduction of pressurized test media.

CAUTION: Attach assembled FastTest® connector to a test piece and tug on the connector to assure proper engagement and gripping of collet before introduction of pressurized test media.

Safety Warnings – General Guidelines:
1. If instructions are not completely understood by operator or components are missing, contact FastTest before attempting use of the connector.
2. All operating parameters should be considered when connector selection is made. Parameters include, but are not limited to: dimensional tolerance, hardness and surface finish of test piece, pressure or vacuum requirements of application, fluid compatibility, temperature, environment and mechanical load or vibration affecting the connector.
3. FastTest® JNL Connectors must only be used with test pieces of a specific size as indicated by the part number. Improper use could cause separation of the connector from the test piece resulting in physical harm or damage. The connector part number and maximum pressure rating is marked clearly on the label.
4. FastTest JNL Connectors are to be used only on materials that meet the following specifications: The test piece must have a hardness greater than 40Rb. If the application is out of this range, or there is a question concerning this requirement, contact FastTest.
5. CAUTION REMINDER: Keep fingers or other objects away from gripping collets when actuating connector. Pinching or crushing can occur.
6. FastTest JNL Connectors are not internally valved, and will not prevent loss of media when disconnected. Do not attempt to disconnect unless safe conditions are met.

Connector Maintenance:
- A daily, weekly, and periodic inspection of the connector by competent person is recommended. User must establish a regular interval for maintenance as determined by the user media and operational environment.
- Lubricate connector on regular intervals. Using WD-40 or a like product is recommended but care should be taken to verify the lubricant is compatible with the application. Lightly spray the collet segments of the connector.
- Inspection should include visual checks of the collet sealing area, housing, missing or loose components, leak tightness, ease of operation, sufficient lubrication, wear, dirt accumulation and damage.
- Use only original FastTest spare parts that are designed for the application and are subject to strict quality control. See warranty.

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