

Procedure 3006: Inspection of EZLink™ Armless Cam and Groove Couplings

effective 06/16

Notes


- 1. These procedures provide guidelines for determining the serviceability of used EZLink™ Armless Cam and Groove couplings.
- 2. Distributors or end users must not alter Dixon® products. Alterations include but are not limited to changing the shape or number of nodes or serrations, buffing, grinding, filing, drilling, cutting or welding any surface. If any such modifications are discovered in the inspection process, the product must be made inoperable and discarded.
- 3. During the inspection process, protective eye wear and rubber gloves should be worn at all times.
- 4. Assemblies made of previously used EZLink™ cam and groove couplings must also be pressure tested. Test the assembly using:
 - Procedure 4000: General Hydrostatic Testing Information
 - Procedure 4001: Hydrostatic Test ProcedureConsult Dixon® engineering for test pressures. The distributor is responsible for maintaining test records.
- 5. Procedure 3101: Changing EZLink™ Tabs should be used as a reference.

Process

EZLink™ Armless Couplers (styles C and DC)

- 1. Examine the bellow seal area for nicks, gouges, scratches, dents, corrosion or pitting. If any of these conditions are present, discard the coupler.
- 2. Examine the tabs for dents or excessive wear. If either of these conditions is present on either tab, replace both tabs, springs and pins.
- 3. Check tabs for free movement in and out. If either tab does not move freely through its entire range of motion, replace both tabs, springs and pins.
- 4. Compare the old tabs to a new one to see if either are damaged or worn. If one or both are damaged or worn, replace both tabs, springs and pins.
- 5. Check the coupler for roundness by inserting a new adapter. If the adapter does not move freely in and out of the coupler before the tabs lock, discard the coupler.

EZLink™ Bellow Seal Inspection (if the tabs do not need replacing)

- 1. Take the seal out and check for any cracks, tears, nicks and make sure media is not trapped in the bellows area. If there is any damage to the seal, replace it with a new Dixon® bellow seal that is compatible with the material that is to be conveyed.
- 2. The seal is marked with directional arrows on the inside diameter to show which way it should be inserted into the coupler.
- 3. Warning! Only use EZLink™ seals for this coupling system. Traditional cam and groove gaskets or other types of seals are not compatible and will fail. 
- 4. Visit dixonvalve.com for seal material options and identification guidelines. If there is any question about which gasket to install, call Dixon® at 877-963-4966 for a recommendation.

Hose Shanks (style C)

- 1. Examine the nodes or serrations for any cuts, scratches, gouges or flat spots. If any of these conditions are present on any of the nodes or serrations, discard the coupling.
- 2. Examine the inside of the shank for pitting or corrosion. If either is present, discard the coupling.