SPXFLOW

TRIPLEX Sales Company

Genuine SPX FLOW High Precision Pump Shaft Bearings

GENUINE SPXFLOW PARTS

There are many “might-fit” alternative shaft bearings available in the marketplace, but they do not come close to meeting genuine OEM specifications. Off-the-shelf bearings miss critical manufacturing steps that SPX FLOW employs to deliver extremely tight internal tolerances that distinguish the performance of Waukesha Cherry-Burrell Positive Displacement Pumps.

SPX FLOW provides Genuine OEM tapered roller shaft bearings as matched assemblies which are measured and paired to ensure exact internal clearances. Each bearing component has its own range of acceptable tolerances and each bearing pair must remain together as an assembly, throughout the life of the pump. To create these high quality components, SPX FLOW starts with premium bearings and then measures and mechanically forms the individual components to create a perfectly matched assembly.

Maintaining proper internal clearance is important for running at optimal efficiencies and extending pump life. Off-the- shelf bearings can be manufactured with a range of tolerance, up to 0.010”. Such a wide tolerance range is out of specification for a WCB universal pump.

Figure 1 shows the thickness of common items compared to the bearing tolerances used in WCB pumps. The width of a human hair is much greater than the internal clearances of Waukesha PD pump bearing assemblies. In fact, the thickness of a human hair can be many times greater than the tolerances allowed in a PD pump. Standard bearings use tolerances that are acceptable for general duty, but when compare to SPX FLOW requirements, they are much too large. Off the shelf bearings allow more endplay which can cause internal pump contact and premature seal wear.

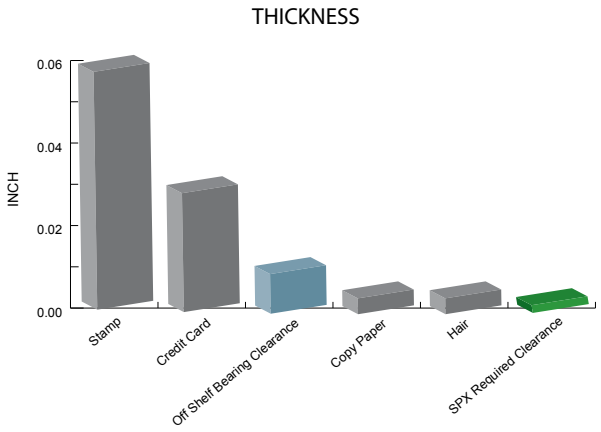


FIGURE 1

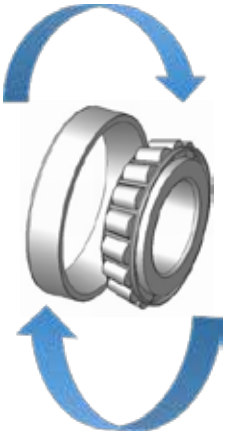
Waukesha Cherry-Burrell®

Utilizing non-OEM bearings in your Waukesha pump could cause a number of issues, including:

- Reduced bearing life from excess heat
- Uneven load distribution on the bearing, resulting in reduced bearing life and premature failure
- Rotor contact and damage to the body, cover or other rotor due to shaft deflection

INTERNAL CLEARANCE TOO LARGE

- Non-uniform load
- Greater shaft movement and possible rotor contact
- Premature seal failures



INTERNAL CLEARANCE TOO SMALL

- Bearings can exceed normal operating temps
- Excess heat can accelerate part wear

Contact your SPX FLOW representative to learn more about our **new bearing and shaft assembly kits** that can help save time and money during your next maintenance cycle.

- **Simplifies the ordering process** - allows distributors and customers to order one part number and receive a complete shaft.
- **Provides a more efficient rebuild process** - save time by not needing to press on front and rear bearings.
- **Enables more rebuilds** - customers without bearing presses can now do complete pump rebuilds.
- **More efficient inventory** - reduces the need to order 6 unique parts to 1 part number

The new shaft assemblies are made to order at SPX FLOW, with short lead times.

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Based in Charlotte, North Carolina, SPX FLOW, Inc. (NYSE: FLOW) is a multi-industry manufacturing leader. For more information, please visit www.spxflow.com

SPXFLOW

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