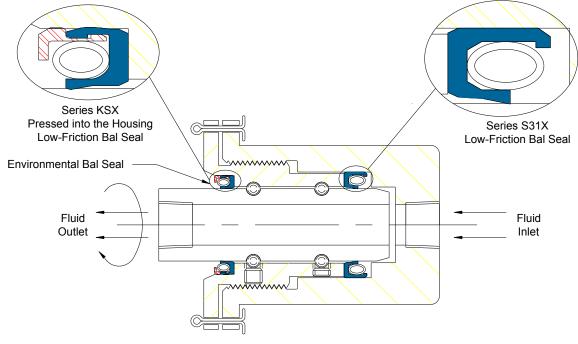


BAL SEAL® SEALS IN SWIVEL JOINTS

Swivel joints join sections of liquid-carrying lines that are moved and rotated from one position to another. A tanker truck pipeline is an example of a swivel joint application. These devices are available in basic styles for a 360° -rotation in one, two, or three planes of motion.

The swivel joint consists of a stationary housing and an internal rotary member. Between the housing and rotary member is an inner sleeve, which contains two circular grooves that house a series of balls that permit rotary, not axial, motion.



Operating Parameters

Pressure:	Vacuum to 15 psi (1.1 kg/cm ²)
Temperature:	-70°F to 250°F (-57°C to 121°C)
Velocity:	2 rpm
Media:	Corrosive fluids
Additional:	Chemical compatibility and low friction

Seal Selection: KSX and S31X

Features:

- Bal Seal series KSX selected for its excellent metal locking ring retention system.
- Bal Seal series S3 1X selected for complete gland retention.
- Low-friction seal design keeps minimal frictional torque on the shaft.
- Chemically compatible with various fluids.
- Excellent wear-resistant, filled PTFE seal materials operate unlubricated.
- Patented, canted-coil spring energizer provides near-constant force for long seal life.

For more information and technical assistance, consult the Technical Sales Department.