Installation Instructions for Type PT™ Joints – 6000 Series

NOTE: Please follow your company’s safety procedures whenever working on Kadant Johnson Rotary Joints and read all of the instructions completely before proceeding.

Please refer to the assembly drawings supplied with your Kadant Johnson Rotary Joint for part identification. If you have any further questions, please contact your Representative or Kadant Johnson.

STEP 1.
Check to make sure all dryer gasket surfaces and tapped holes are clean and free of all foreign debris before commencing the installation. Re-tap all threaded holes in order to obtain proper thread engagement.

STEP 2.
Using the bolts and gasket provided, fasten filler flange (if applicable) to the end of the journal.

STEP 3.
Attach wear plate (16) to the face of the filler flange, using bolts (16A) and gasket (8) provided.

STEP 4.
There are two ways to preload the joint springs (7). If the joint is equipped with two threaded pins (19A), turn the hex jam nuts (19B) inward until dimension (X) equals “set-up” dimension listed on assembly drawing. (If assembly drawing is unavailable, contact factory for proper dimension.)

If the joint does not have threaded pins, spring tension will take place during joint mounting.

STEP 5.
Position carbon seal ring (6) in the recessed area of wear plate (16). Lift up and loosely attach the joint to the overhead bracket, using cap screws. Slide the joint inward until it is firm contact with the carbon seal ring and check to make sure the seal ring is centered on the nipple (4).

If the joint springs have not been pre-loaded, move the joint inward until proper dimension (X) equals dimension listed on assembly drawing. (If assembly drawing is unavailable, contact the factory for proper dimension.) Then tighten the fasteners.

STEP 6.
If the joint is equipped with two threaded pins, loosen and remove hex nuts (19B) on the pins.

STEP 7.
Attach piping to the joint head. The installation is now complete. As the carbon seal ring wears, the springs will extend, and dimension (X) will increase. If left unattended the nipple flange will ultimately come into contact with the spring ring pins (19) causing the joint to leak. To prevent leakage, seal rings should be replaced when dimension (X) reaches “worn” dimension listed on assembly drawing. Seal ring replacement should follow procedures in Kadant Johnson Repair Bulletins.

Dimensions are for reference only and subject to change. Certified drawings are available on request. Please refer to Kadant Johnson Drawing Number A37640 for torque specifications.