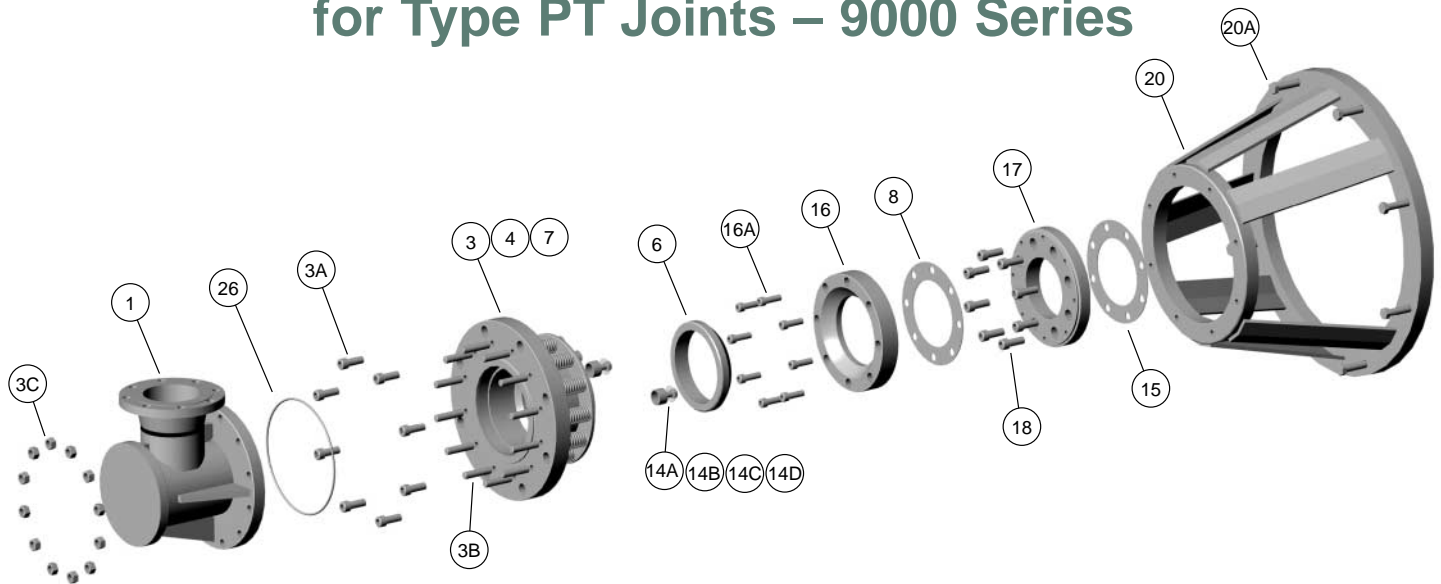


Installation Instructions for Type PT Joints – 9000 Series



NOTES: Please follow your company's safety procedures whenever working on Kadant Johnson rotary joints. Read all of the instructions completely before proceeding.

Kadant Johnson rotary joint is shipped partially assembled. Partial disassembly will be necessary before the installation can proceed. The major components are body, end cap assembly and ring bracket. Apply never seize compound to all fasteners and use a star patterned torque sequence when tightening all fasteners. See assembly drawing for proper torque specifications.

Step 1.

Remove all existing equipment from the journal including the ring bracket if equipped. Clean gasket material from the end of the journal and clean threaded holes.

Step 2.

Install journal flange gasket (15) and journal flange (17) onto end of journal. Secure with bolts (18) and tighten to the proper torque specifications.

Step 3.

Place wear plate gasket (8) onto wear plate (16). Place them onto the journal flange and secure with the bolts (16A) provided. Tighten bolts using the proper torque specification.

Step 4.

Install ring bracket (20) onto bearing cover and secure with bolts (20A). Tighten bolts using the proper torque specification.

Step 5.

If the joint is equipped with two threaded pins, preload the joint springs (7) by turning hex jam nuts (14A, 14B, 14C, and 14D) inward on the two threaded pins until dimension (X) equals "set-up" dimension listed on assembly drawing. (If assembly drawing is unavailable, con-

tact factory for proper dimension.) If the joint is not equipped with threaded pins, spring loading will take place during joint mounting (Step 6).

Step 6.

While holding the seal ring (6) in the concave sealing surface on the wear plate (16), install the end cap assembly (3, 4, and 7) onto the ring bracket and secure into position using bolts (3A). Tighten the 3/8" bolts to 18 ft-lbs or, if equipped with 5/8" bolts, tighten to 125 ft-lbs.

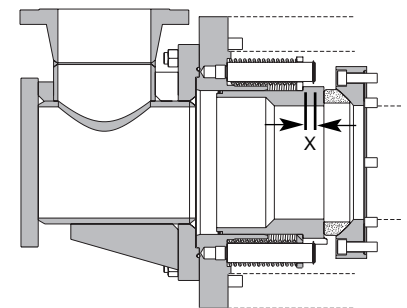
Check the X dimension. It should match the dimension called out on the assembly drawing. Make sure the flat sealing surface of the nipple is centered on the flat sealing surface of the seal ring. It should be concentric within .060". If either specification is out of range, please consult factory.

Step 7.

Install o-ring, (26) into the o-ring groove in the body (1). Slide body into position over the studs protruding from the end cap and secure with nuts (3C). Tighten nuts to 125 ft-lbs. Remove two of each item 14A, 14B, 14C and 14D. When these items are removed, the spring force is released and the seal ring is compressed. Save these items for joint servicing.

Step 8.

Kadant Johnson Rotary Joint is now ready for piping. Make sure the flexible hose is installed in a straight and relaxed position and no weight of the pipe is transfer to the rotary joint. When the piping is complete, the joint can be put into service.



The Kadant Johnson Warranty

Kadant Johnson products are built to a high standard of quality. Performance is what you desire: that is what we provide. Kadant Johnson products are warranted against defects in materials and workmanship for a period of one year after date of shipment. It is expressly understood and agreed that the limit of Kadant Johnson's liability shall, at Kadant Johnson's sole option, be the repair or resupply of a like quantity of non-defective product.

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