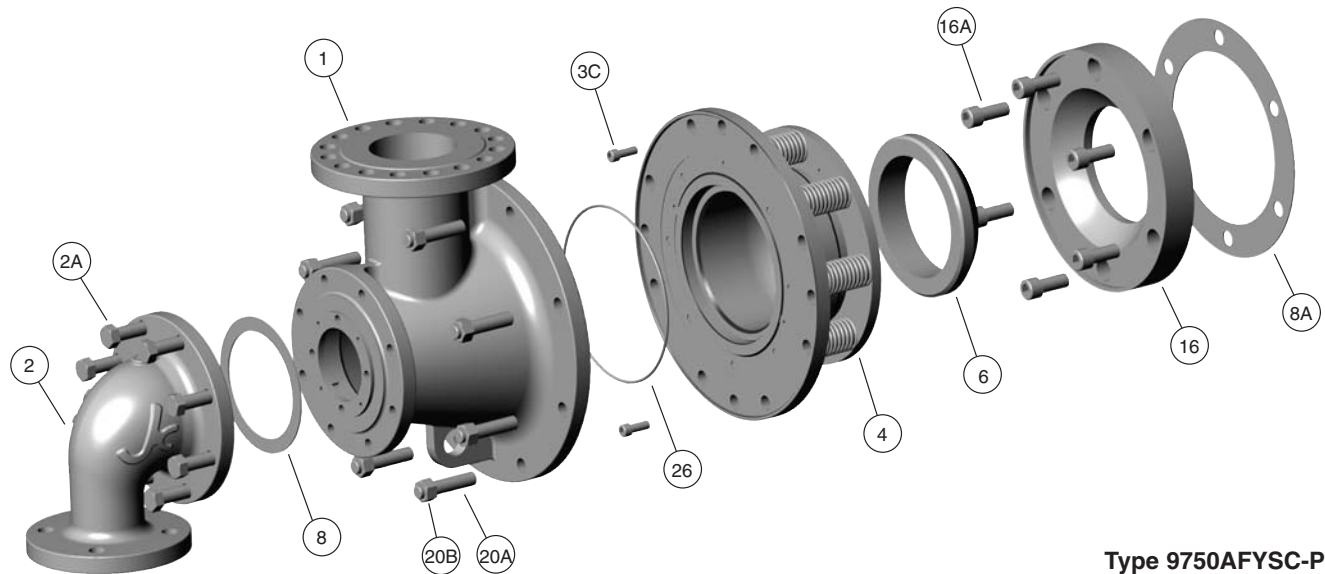


# Installation Instructions for Type 9750 PTX Joints



Type 9750AFYSC-PTX

Follow your company's safety procedures whenever working on Kadant Johnson products. Read all of the instructions before proceeding with installation or repair.

Please refer to the Kadant Johnson assembly drawing for part identification. Assembly drawings are available on request from Kadant Johnson.

Lubricate all fasteners with anti-seize compound. Tighten all fasteners in a star pattern. Torque specifications are listed on the product assembly drawing and are available from Kadant Johnson.

The 9750 PTX Joint is shipped partially assembled. Disassemble joint, inventory and stage parts prior to installation.

## STEP 1.

Remove all existing equipment down to a bare journal. Clean all gasket surfaces. Chase and clean all threaded holes. If necessary, remove bearing cover. Note: Some installations may not require removing the bearing cover, please consult Kadant Johnson if you have any questions.

## STEP 2. (See Figure 1)

The joints are supported by a ring bracket or a ring bracket and bearing cover supplied as individual parts.

**1. With ring bracket only.** Perform Step 3 first. Then install ring bracket (20). Secure into position using hex head cap screws (20C).

**2. With ring bracket and bearing cover supplied as individual parts.** Make sure the bearing cover is clean and free of debris. Apply sealer to the appropriate area of the machine's bearing housing. Slide the bearing cover over the journal and secure into position with the proper size bolts. Then perform Step 3. Install ring bracket (20) onto bearing cover and secure into position using hex head cap screws (20C).

## STEP 3.

If an insulating sleeve is required, install it during this step following the instructions that came with the insulating sleeve.

## STEP 4.

Place journal flange (5) and gasket (8B) onto journal. Secure into position using socket head cap screws (5A). Tighten flange screws evenly in a star pattern. In some cases it is necessary to install a filler flange also. If required, do so in the above manner.

## STEP 5.

Place wear plate (16) and gasket (8A) onto journal flange. Secure into position using socket head cap screws (16A). Tighten wear plate screws evenly in a star pattern.

## STEP 6.

Clean the spherical face of the wear plate (16), the flat face of the nipple (4), and the mating surfaces of the seal ring (6). These sealing surfaces must be free of debris, oil or other contaminants. Place seal ring (6) with its spherical face into the mating surface of the wear plate (16). While holding the seal ring in position, install the end cap assembly (4) onto the ring bracket and secure into position with four socket head cap screws (3C). As the socket head cap screws are tightened, spring force will be applied to the seal ring and the X dimension will be created. The X dimension is  $0.5'' \pm 0.25''$  ( $12 \pm 6$  mm). When used with CARB bearings, contact Kadant Johnson for the proper X dimension. Make sure seal ring (6) is centered on the nipple (4). Please contact Kadant Johnson if the X dimension is incorrect or if the seal ring is not centered properly.

## STEP 7. (See Figure 1)

There are two options for installing the cantilever support tube (H). In both options, the support tube must be installed so that the weld bead on the end of the support tube and indexing slot at the opposite end will be in the 12 o'clock position. The large hollow bolt (J) must be removed and the threads lubricated with Never Seize lubricant.

Option 1. If there is enough clearance between the dryer hood and the journal, you can install cantilever support tube (H) by inserting it through the partially assembled joint and down the journal bore. The plain end of the tube without the taper goes

