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

NOTE: Do not use anti-seize or petroleum-based products on o-rings. Only lubricate the o-rings with the silicone lubricant supplied with the Kadant Johnson repair kit. Prior to handling lubricants, consult MSDS information.

This Kadant Johnson rotary joint is furnished completely assembled and ready for installation. Please contact Kadant Johnson if further assistance is required.

STEP 1. Place a new copper gasket (8Q) into the counterbore of the journal flange. Position the Q nipple flange (5) over the end of the nipple (4) with the taper facing away from the joint body (1).

STEP 2. Position the joint/syphon assembly into the roll and onto the support rods.

STEP 3. Engage the end of the nipple (4) into the counterbore of the journal flange. Place two split wedges (55) into the recess in the nipple. Slide the Q nipple flange (5) over split wedges and over the studs on the journal flange. Secure Q nipple flange using nuts (5B). Tighten the Q nipple flange evenly. Note: The Q nipple flange (5) will not seat tightly against the face of the journal flange. When tight, there should be a 1/8” to 3/16” (3 to 5 mm) space between the two flanges.

STEP 4. Install two jam nuts (66) on each support rod. Position the first jam nut until there is a 5/16” (8 mm) gap between the face of the nut and the lug on the joint body. Tighten the second nut to secure the first one. Repeat this step on the other support rod. See dimension “R” on the joint assembly drawing. The “R” dimension is the seal ring wear indicator.

STEP 5. Check joint alignment. The joint should be level and square to the machine. The nipple (4) should be centered in the body (1). View the nipple where it passes through the body, the gap between the nipple and body should be equal around the circumference of the nipple. Adjust the joint support structure as required to align the body to the nipple.

STEP 6. Make sure the syphon (42) is oriented in the down position. The red knob on the indexing handle (46) should point up when the syphon is pointed down for proper drainage.

STEP 7. The joint is now ready to accept piping.

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.

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.