Measuring Carbon Seal Wear

INTERNALLY COMPENSATED ROTARY JOINTS
SERIES  2000N-IC  6000N-IC  8000N-IC

Periodically (approximately every 6 months) during shut-downs you should chart the wear rate of the carbon seal rings in the Johnson rotary joints. The following steps will guide you through this process.

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 questions, please contact your representative or Kadant Johnson.

Tighten all fasteners in a star pattern. See joint assembly drawing for torque specifications.

1. Obtain from Kadant Johnson a seal wear measuring tool as shown in photo #1.

2. Insert it into the opening along the nipple tubes O.D. and the renewable wear plates I.D., photo #2.

3. When the carbon seal is new the handle of the tool will rest against the renewable wear plate as shown in photo #3.

4. During subsequent measurements, as seal wear takes place, the handle will be further out away from the renewable wear plate, photo #4. When the red shows it indicates the seal has worn 80% and should be replaced before metal to metal contact can occur.

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.