

Installation Instructions for the 61050 PT™ Rotary Joint

fluidhandling.kadant.com/en/knowledge-center/installation-and-repair-instructions/installation-instructions-for-the-61050-pt-rotary-joint

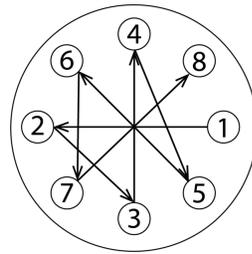
Effective: July 1, 2022



Introduction

Read all of the instructions before proceeding.

Refer to Kadant Johnson assembly drawing for part identification and to drawing A37640 for torque specifications. For easy identification, parts used in individual steps are often accompanied with their position in the assembly drawing [e.g. gasket (8B)]. Tighten all fasteners in a star pattern. Certified drawings are available upon request. Dimensions are for reference only and subject to change.



Safety



This safety symbol alerts you to risk of death or injury if the instructions are not followed. In all steps, death or injury may result if the machine is not de-energized, depressurized, cooled, and stopped. Death or injury may occur if the product is operated with a fluid type or at a pressure, temperature, or speed that do not meet its specifications. Death or injury may occur if heavy parts and pinch hazards are not handled properly. Follow your company's safety procedures.

Step 1

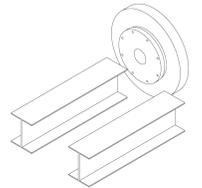
Remove the existing equipment.

Note: Not all installations use a new journal flange. Consult Kadant Johnson drawings prior to installation.

Note: Existing framework may need modification. Consult Kadant Johnson prior to installation.

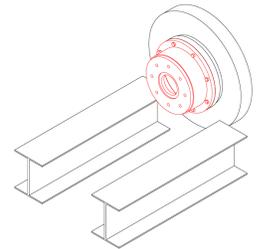


Equipment must be cool and free of pressure.



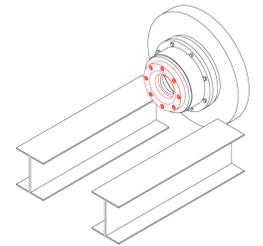
Step 2

If applicable, install a new journal flange using a new gasket.



Step 3

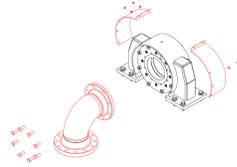
Install the wear plate using a new gasket.



Step 4

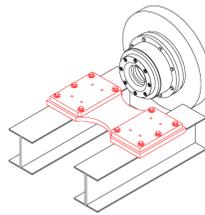
The rotary joint is shipped partially assembled. If equipped with a guard, remove it. The head (2) may be removed for ease of installation.

 Use caution when removing the head to avoid damaging the gasket.



Step 5

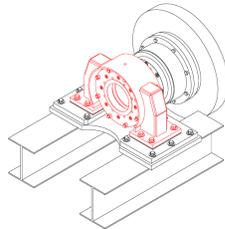
Bracket mounting is machine specific. Consult Kadant Johnson drawings before proceeding. If using adjustable plates, install those first.



Step 6

Install the bracket with the end cap assembly.

 Heavy object. Rigging or hoist is recommended for installation.



Step 7

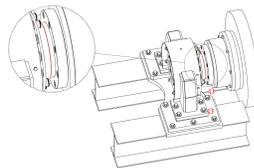
The endcap assembly is shipped compressed with two spacer assemblies (14B, 14C, and 14D). With assistance, slide the seal ring into place. Once installed, loosen the spacer assemblies.

Note: The bracket may have to be loosened in order to slide the seal ring into place.

Important: After installing the end cap assembly, check that the "X" dimension matches the Kadant Johnson drawing. If it is incorrect, please contact Kadant Johnson.

 Pinch hazard during endcap assembly installation.

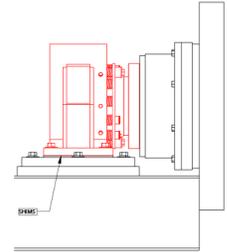
 Caution spring force present during end cap assembly installation.



Step 8

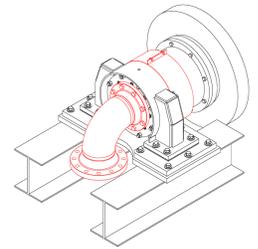
Check the alignment. The rotary joint should be within .040" (1.016 mm) plumb and square to the face of the journal. Axially, the seal ring should be centered on the nipple within .100" (2.54 mm).

Note: For new installations, the bracket may need to be shimmed for alignment. The bracket and mounting plates have slotted holes for adjustment.



Step 9

Install the head using the gasket provided. Install the guard if it was previously removed.



IS-61050PT-1

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 the 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.

Kadant Johnson rotary joints and accessories could be subject to European Pressure Equipment Directive 2014/68/EU (PED). Modifications or changes to rotary joints and/or accessories are only permitted upon approval of Kadant Johnson. Only genuine Kadant parts and original accessories will ensure the safety of these assemblies. The use of other than original parts voids the warranty and will lead to forfeiture of the declaration of conformity and will invalidate any liability for damages caused thereby.

