Installation Instructions for the 91050 PT™ Rotary Joint

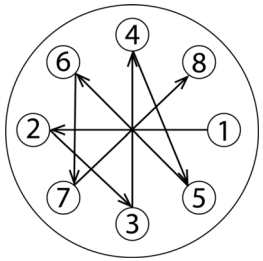
fluidhandling.kadant.com/en/knowledge-center/installation-and-repair-instructions/installation-instructions-for-the-91050-pt-rotary-joint

Effective: May 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.

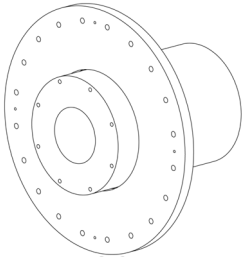
Step 1

Remove the existing equipment.

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

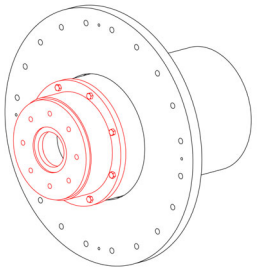
Note: Existing bearing covers may require modification. Consult with Kadant Johnson prior to installation.

Equipment must be cool and free of pressure.



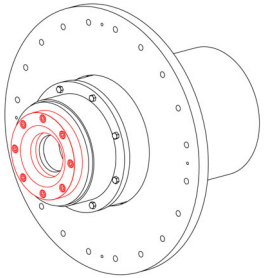
Step 2

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



Step 3

Install the wear plate using a new gasket.

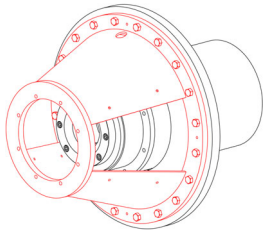


Step 4

Install the ring bracket.

Note: If equipped with viewing port covers, remove and set aside.

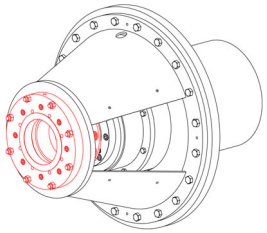
⚠ Heavy object. Rigging or hoist recommended for installation.



Step 5

The endcap assembly is shipped compressed with two spacer assemblies (14B, 14C, and 14D). Install the seal ring followed by the body flange (5) with endcap assembly. Once installed, loosen the spacer assemblies.

Important: After fastening 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 end cap assembly installation.

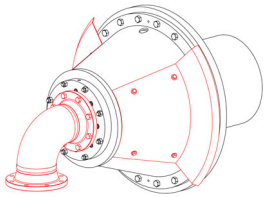
⚠ Spring force present during end cap assembly installation.

⚠ Heavy object. Rigging or hoist recommended for installation.

Step 6

Install the head using a new gasket.

Note: Reinstall the viewing port covers if removed previously.



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 cause thereby.