



Applicable series

Wy series rotary joint

Sn series rotary pipe joint

Pipe joint

Please read this instruction manual carefully and fully understand its contents before using the product.

Please keep it in a safe place for your reference.

## Safety Precautions:

This chapter provides information on the safe handling of the dewel swivel.

❑ For your own safety and the safety of others, please read this operating manual carefully before using the Dewel swivel.

This manual describes the rotary joints of the manufacturer Dewey. In a further description/interpretation, the name "Dewel" is omitted for better readability.

❑ This operating manual is an important part of the specified rotary joint, and the operator responsible person should pay attention to this manual.

❑ Always use the latest version of the operating manual available at [www.sddeweier.com](http://www.sddeweier.com).

操作 The operator of the swivel joint shall not make any modifications or additions or modifications to the swivel joint without the manufacturer's consent.

按照 Follow the additional instructions "Installation" for safe and correct swivel joint installation. Installation instructions are included in the federation that has been delivered.

### **1. Precautions for use**

- a. This machine is in a state where it can be installed and used immediately, so no adjustment is required.
- b. Store the machine in a clean and stable condition before installation.
- c. Do not apply impact to the machine or press it with your feet.

### **2. Precautions during installation**

- a. When the fluid is a phosphate ester working oil, a chlorinated hydrocarbon working oil, an organic solvent, or an acid, the standard seal

Material (nbr) is not available. Do not use for the purposes and conditions of use indicated in the non-product catalog. Also, don't use it for possible

Fluids that cause explosions, fires, etc. due to fluid leakage, as well as other flammable fluids and special fluids, corrosive fluids.

If you want to use the conditions and conditions of use indicated in the non-product catalog, please consult our company.

B. Spherical joints (Swivel Joints) ball bearings are precision machined, there is no "error", so the movable range of the pipeline

Only for the direction of rotation of the swivel joint. Therefore, please fully study the movable range of the pipeline and select the appropriate type.

c. The magnitude of the moment load will greatly affect the life of the swivel joint. When piping, please pay attention to avoid applying to the swivel joint

Add excessive torque load.

D. Swivel joints are different from rotary joints, so continuous rotation is not correct.

However, at very low speeds, it can be fully utilized.

e. For threaded products, use sealing tape on the threaded part for proper installation.

For flange-type devices, tighten the bolts evenly with washers.

F. For swivel joints, flush the tubing thoroughly before installing. If the fluid is mixed

If a foreign object has been inserted, install a filter in the flow path.



### **3. Maintenance Guide**

In order to maintain the rotation and sealing function of the swivel joint, the ball bearing and the seal must always be kept greased.

The formed film is covered.

For lubrication, if it is used normally at normal temperature, it is enough to add grease when replacing the seal. If it is to be used at high temperatures,

Grease must be added to the extent of once a week.

When supplying oil, remove the plug from the drain port and supply oil from the grease fitting.

When the swivel joints are used normally, the sliding surface of the seal of the shaft is worn or the seal is aged.

After reaching a certain level, leakage will occur. Indicates that the life has reached its end, please replace it with a new one.

### **4. Disassembly**

Use a hex wrench to remove the socket head captive locking screw and use a screwdriver to remove the ball cage latch. Then, the ball will be

The shaft portion is pulled out from the body by repeatedly rotating the shaft portion and taking out all the steel balls.

### **5. Check**

Please wash each part and confirm if there is any damage. In particular, check the wear of the sliding surfaces of the seals and dust seals and the damage of the raceway.

### **6. Replacement of parts**

For repaired parts, please use our original parts based on the model, size and fluid name of the product.

## **7. Assembly**

Apply grease to the body, the seal portion of the shaft and the sliding portion of the dust seal, and attach a new seal (o-ring) to the body.(When it is used under high pressure conditions, the support ring should be attached to the shaft.) Then, a dust seal is attached to the shaft, and the shaft is repeatedly pressed into the main body, and the shaft is repeatedly rotated. Steel balls.Then, while repeatedly rotating the shaft portion, the ball cage plug is attached, and finally the inner hexagon head locking screw is used for fixing.Turn the shaft part several times. If there is no abnormality, please supply grease.

### **Precautions for use!!!**

- a. When a fluid leak occurs, close the valve quickly, stop the flow of fluid, stop the machine and repair it.**
- b. For the disassembly of this swivel joint, please confirm that the fluid in the swivel joint is completely discharged, no pressure, and the temperature is completely lowered before disassembling.**

