

# Installation Manual for the Rubber Joint

ZRJ-SH



## Installation Procedure

### 1. Before installation

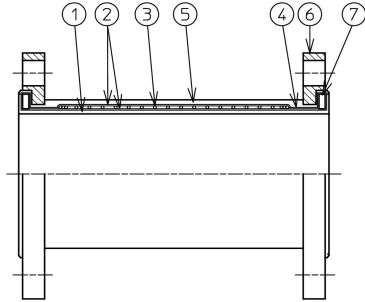


Table1 Parts List

No.	Name	Material
1	Inner Layer Rubber	Synthetic rubber
2	Reinforcement Fiber	Nylon fiber
3	Reinforcement Wire	Carbon steel
4	Reinforcement Fiber	Nylon fiber
5	Outer Layer Rubber	Synthetic rubber
6	Flange	Carbon steel
7	Solid Ring	Carbon steel

- Please confirm whether the diameter is correct.
- Please confirm whether there is any damage of sealing surface.
- Please confirm whether there is any damage of inside and outside of rubber.

### 2. Installation

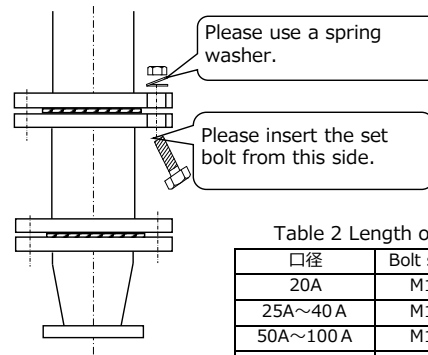


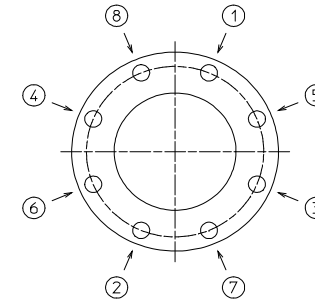
Table 2 Length of bolt

口径	Bolt size×Length
20A	M12x50mm
25A~40 A	M16x55mm
50A~100 A	M16x65mm
125A~200 A	M20x75mm
250A~300 A	M22x90mm

- ① Before installation, please wipe off the dust of the piping side flange and a rubber body seal side with a rag etc., check that there are no foreign substances, and set the product between the piping flanges.
- ② Please insert the set bolt toward the piping side from the product side. Moreover, in order to prevent the loosening of the nut, please use a spring washer.

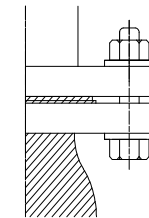
### 3. Tightening of the bolts

The order of bolt tightening.



- ① Please tighten the bolts diagonally and equally.
- ② Please tighten the opposite side of flange with same way.
- ③ When you use the bolt and nut made of stainless steel, please apply lubrication.

Please refer to the tightening torque values in Table 3.

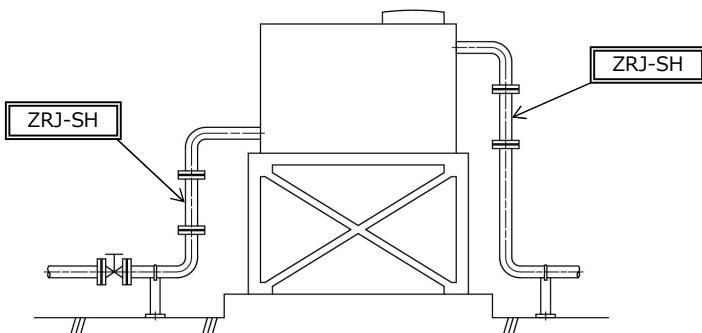


⚠ Please confirm whether the flange face is parallel before tightening.

Table3 Tightening torque

Size	Torque
20A	25N · m
25A~100 A	30N · m
125A~200 A	40N · m
250A~300 A	45N · m

### Completion



### NOTES

- Insert set bolt from product side and tighten bolts evenly in diagonal line order.
- The service life of rubber fittings may be reduced depending on the conditions of use. For details, please refer to the precautions in the catalog.
- When used in outdoor piping, take measures such as hanging a cover to prevent deterioration of the rubber due to ultraviolet rays.
- Please carry out the welding work of the piping before installing the flexible joint. If you have to carry out the welding work after installing the flexible joint, take ground the welding electricity, also put a protective cover around the flexible joint so that the welding current does not flow into the piping system.
- If the piping is not sufficiently fixed, the piping system may resonate and not absorb expansion, contraction, or displacement, so please make sure that the piping is sufficiently fixed.
- When used in absorption chiller/heater generators, the temperature of the cooling water in the machine may rise above the heat resistance temperature of the rubber during heating operation. For safety, use stainless steel anti-vibration joint (A · V · JOINT, etc.).