

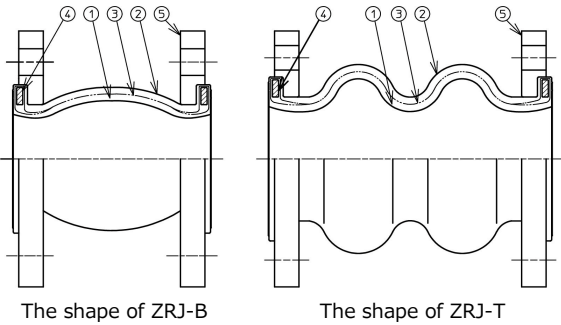
Installation Manual
for the Anti-Vibration Rubber Joint

ZRJ-B · ZRJ-T



Installation Procedure

1. Before installation



The shape of ZRJ-B The shape of ZRJ-T

Table1 Parts List

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

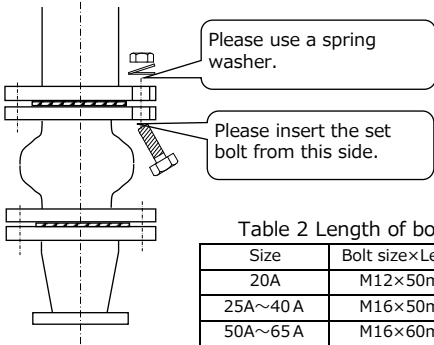


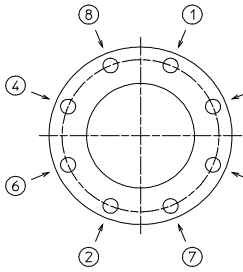
Table 2 Length of bolt

Size	Bolt size×Length
20A	M12×50mm
25A~40 A	M16×50mm
50A~65 A	M16×60mm
80A~100 A	M16×65mm
125A~200 A	M20×75mm
250A~300 A	M22×90mm

- 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.

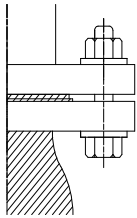
3. Tightening of the bolts

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.

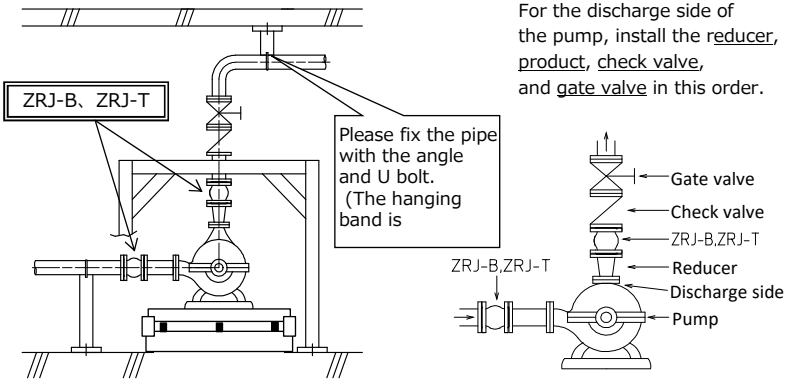


⚠ Please confirm whether the flange face is parallel before tightening.

Table3 Tightening torque

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

Completion



For the discharge side of the pump, install the reducer, product, check valve, and gate valve in this order.

⚠ NOTES

- Cannot be used for hot water supply. Please use A · V · JOINT、ZTF-5000、ZRJ-BT.
- Cannot be used for circulating water in swimming pools. Please use ZTF-5000 or ZRJ-BT.
- Please use ZTF-5000 or ZRJ-BT concerning acid, and alkali
- 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.
- 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 joints (A · V · JOINT, etc.).
- In environments exposed to high concentrations of ozone, cracks may occur on the surface due to ozone degradation. In such cases, we recommend choosing stainless steel products instead of rubber products.