

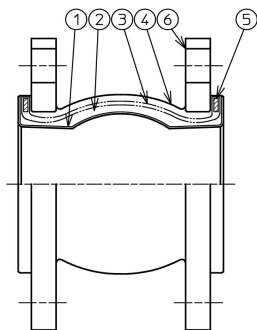
Installation Manual for the Anti-Vibration Rubber Joint

ZRJ-BT



Installation Procedure

1. Before installation



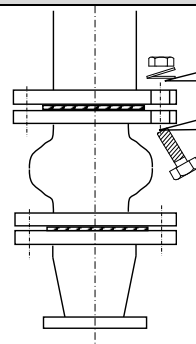
The shape of ZRJ-BT

Table1 Parts List

No.	Name	Material
1	Liner	PTFE
2	Inner Layer Rubber	Synthetic rubber
3	Reinforcement fiber	Nylon cord
4	Outer Layer Rubber	Synthetic rubber
5	Solid Ring	Carbon steel
6	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



Please use a spring washer.

Please insert the set bolt from this side.

Table 2 Length of bolt

Size	Bolt size×Length
20A	M12×50mm
25A~40A	M16×55mm
50A	M16×65mm
65A~100 A	M16×70mm
125 A	M20×80mm
150A~200 A	M20×85mm

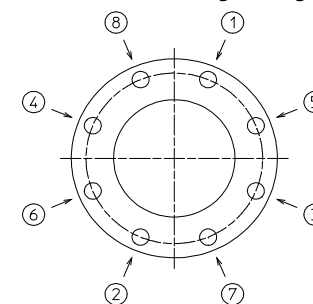
- ① Before installation, please wipe off the dust of the piping side flange and a rubber body seal side with a rag etc., check that there are no foreign substances, and set the product between the piping flanges.

※This product can be sealed without a gasket because the sealing surface is formed by a folded liner (PTFE). However, if there is concern about damage to the sealing surface on the product side due to scratches on the piping side sealing surface, etc., it is recommended that a separate gasket be prepared and used.

- 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.

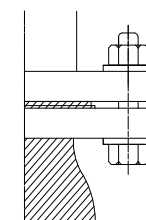
3. Tightening of the bolts

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.

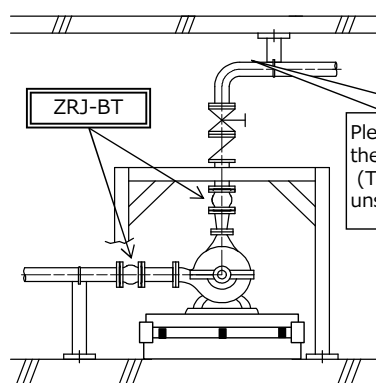


⚠ Please confirm whether the flange face is parallel before tightening.

Table3 Tightening torque

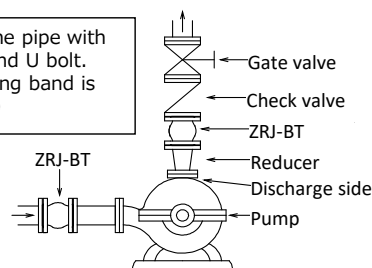
Size	Torque
20A~100 A	30N · m
125A~200 A	40N · m

Completion



Please fix the pipe with the angle and U bolt. (The hanging band is unsuitable.)

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



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.
- In environments exposed to high concentrations of ozone, cracks may occur on the surface due to ozone degradation. In such cases, please use stainless steel products instead of rubber products.