# Installation Manual for the Anti-Vibration Joint

# A・V・JOINT

ZENSHIN

Installation Procedure

## 1. Product

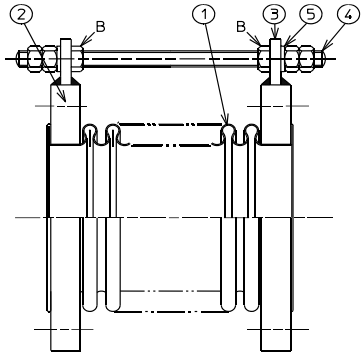
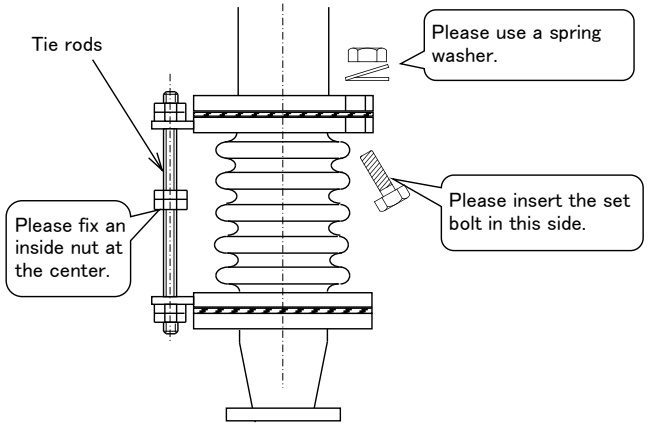



Table1 Parts List

| No. | Parts Name | Material |
|---|---|---|
| 1 | Bellows | IN –Stainless steel 316L |
| | | OUT–Stainless steel 304 |
| 2 | Flange | Stainless steel 304 |
| 3 | Holder | Stainless steel 304 |
| 4 | Tie rods | Stainless steel 304 |
| 5 | Absorber | Urethane rubber |

- Please confirm the diameter is correct.
- Please confirm there is no damage of sealing surface.
- Please confirm there is no damage of both inside and outside of rubber.

## 2. Installation




① Please fix an inside nut"B" at the center.

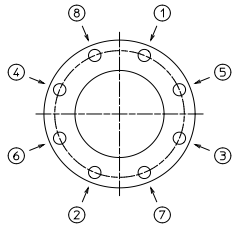
② Please install the expansion joint so that the inner pipe does not slip off from the sealing surface.

③ 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.

⚠ Please do not dismount the tie rods.

## 3. Tightening of the bolts

The order of bolt tightening.

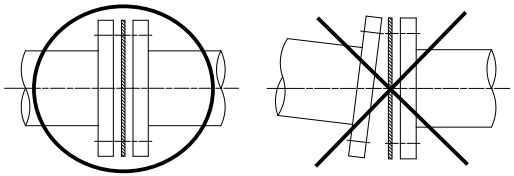



① Please tighten the bolts diagonally and equally.

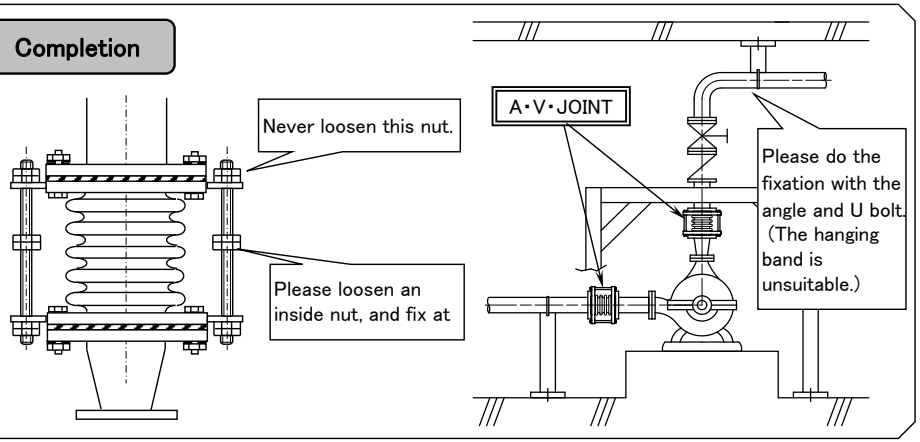
② Please tighten the opposite side of flange with same way.

③ When you use the bolt and nut made of stainless steel, please paste lubrication on it.

⚠ Please confirm the flange face is parallel before tightening.



## Completion



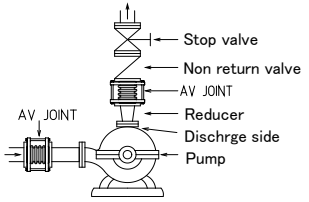

## ⚠ NOTES

1) This product is not designed for absorb the axial movement but vibrations.

2) The piping system might resonate when the fixation of piping is insufficient. Please do the fixation near A・V・JOINT.

3) Please carry out the welding work of the piping before the attachment of our product. If you have to carry out the welding work after attaching the piping, please earth the welding properly, also put a protective cover around our product so that the welding current does not flow into the piping system.

4) Please select the piping diameter not exceed 3m/s of flow velocity.(inside diameter base)

5) Please use ZTF-5000 concerning acid, and alkali.

6) On the discharge side must be attached in this order reducer, AV JOINT,non return valve, and stop valve.