

Installation Manual for the Anti-Vibration Rubber Joint for high pressure line

ZRJ-HD(HEAVY DUTY 20)



Installation Procedure

1. Before installation

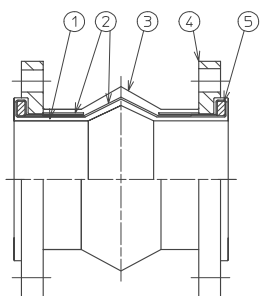


Table1 Parts List

No.	Name	Material
1	Inner Layer Rubber	EPDM
2	Reinforcement fiber	Nylon Fiber
3	Outer Layer Rubber	NR / BR
4	Flange	Carbon steel, Stainless Steel 304
5	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

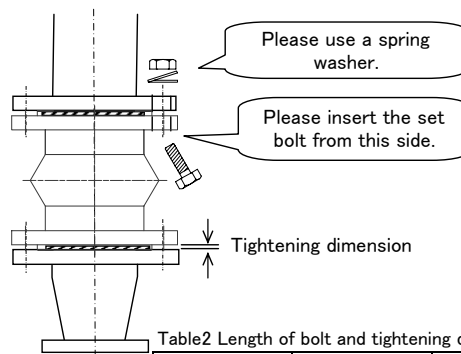


Table2 Length of bolt and tightening dimension

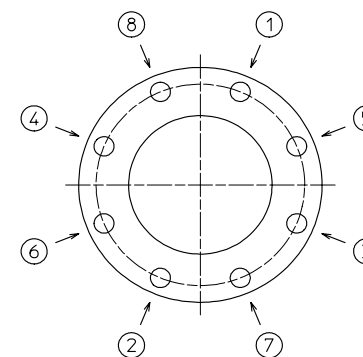
Diameter	Bolt Diameter x Length	Tightening dimension
32A~65A	M16x75mm	4mm
80A~100A	M20x85mm	4mm
125~150A	M22x100mm	4mm
200A	M22x120mm	4mm
250A~300A	M24x130mm	2mm

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.

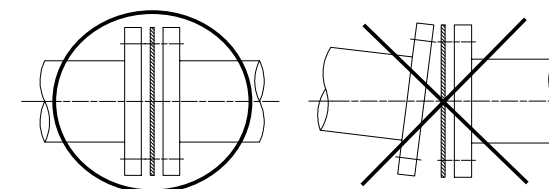
3. Tightening of the bolts

The order of bolt tightening.

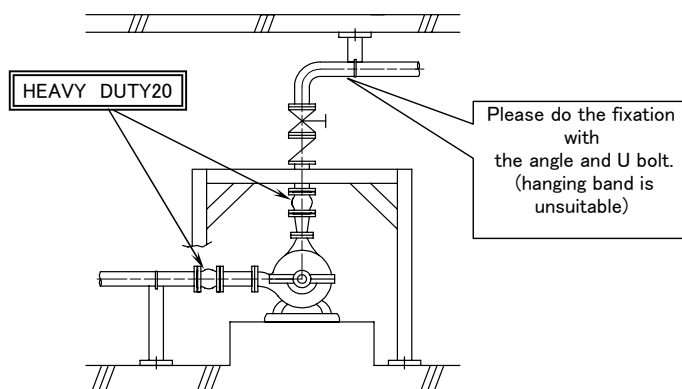


- ① Please tighten the bolts diagonally and equally.
- ② Please tighten the opposite side of flange with same way.
- ③ When you use the bolt and nut made of stainless steel, please apply lubrication.

⚠ Please confirm whether 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 ZRJ-HD.
- 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 call us for using oil, organic solvent, acid and alkali.
- 5) On the discharge side must be attached in this order reducer, a product, non return valve, and stop valve.
- 6) **It cannot be used for a hot water supply line.** Please use our A·V·JOINT (20KF type).