

Installation Manual for the Stainless Expansion Joint

Z-21000



Installation Procedure

1. Before installation

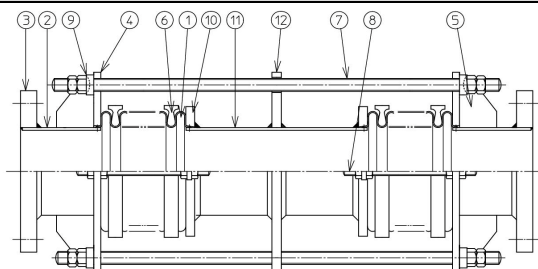
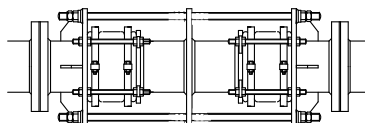


Table1 Parts List

No.	Name	Material
1	Bellows	Stainless steel 304
2	Pipe	Carbon steel
3	Flange	Carbon steel
4	Guide ring	Carbon steel
5	Reinforcing rib	Carbon steel
6	Control ring	Grey cast iron
7	Tie-rod bolt	Carbon steel
8	Set bolt	Carbon steel
9	Spherical washer	Carbon steel
10	Ring	Carbon steel
11	Connecting pipe	Carbon steel
12	Holder	Carbon steel

- Please confirm whether the diameter is correct.
- Please confirm whether there is any damage of sealing surface.

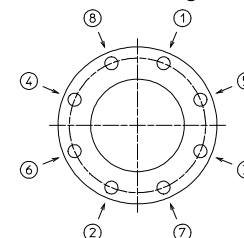
2. Installation



Please install between the piping flanges not to move the gasket from the sealing surface and not to damage the sealing surface.

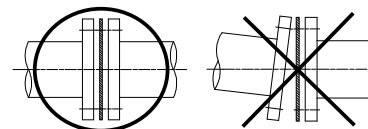
3. Tightening of the bolts

The order of bolt tightening.

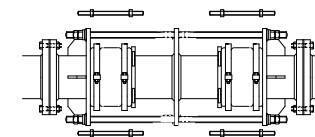


- ① Please tighten the bolts diagonally and equally.
- ② Please tighten the opposite side of flange with same way.
- ③ When you use the bolt and nut made of stainless steel, please apply lubrication.

⚠ Please confirm the flange face is parallel before tightening.



4. Removing of the set bolts

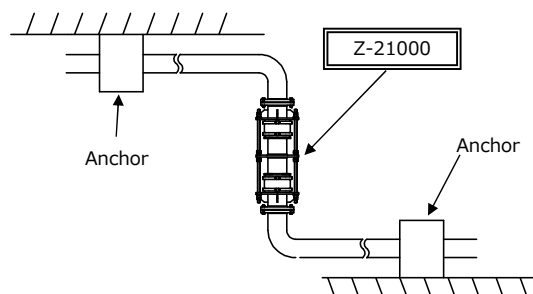


After tightening bolts for flange, please remove the set bolt.

※ The expansion joint will not function properly if the set bolt remains in the product.

※ Do not remove the tie rod bolts.

Completion



- Please install the expansion joint so that the piping weight does not affect to the product.
- Please prepare the guide so that the piping does not swing sideways.
- Please design the anchor to withstand thrust due to internal pressure and the reaction force of the bellows.

NOTES

- Please carry out the welding work of the piping before installing the product. If you have to carry out the welding work after installing the product, take ground the welding electricity, also put a protective cover around the product so that the welding current does not flow into the piping system.
- Please be careful not to scratch the seal surface during installation.
- When installing, please confirm the installation dimensions on the delivery drawings.
- Insert the mounting bolts from the product side toward the piping side, and tighten them evenly on the diagonal lines to avoid one-sided tightening.
- Set bolts should be removed after installation is complete.
- Do not remove the tie rod bolts.