

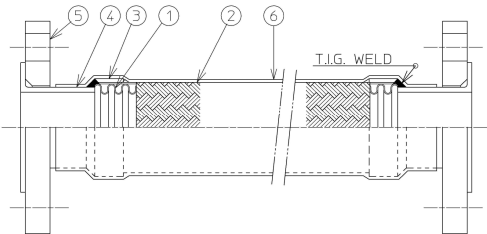
Installation Manual for the Flexible Joint  
(Flange Connection)

Z-4000MS · Z-5000MS · Z-7000MS · Z-8000MS



Installation Procedure

1. Before installation



The shape of Z-5000

Table1 Parts List

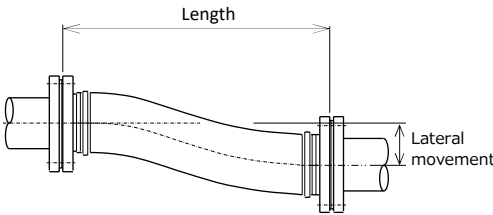
No.	Name	Material
1	Bellows	Stainless steel 304
2	Braid	Stainless steel 304
3	Braid cover	Stainless steel 304
4	Lap joint	Stainless steel 304
5	Flange	Carbon Steel
6	Anticorrosion Tape	PVC

※Epoxy resin coating if flange is SS400

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

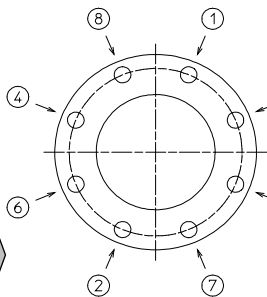
2. Installation

- ① Please install between the piping flanges not to move the gasket from the sealing surface and not to damage the sealing surface.  
※The full-face gasket is recommended. (Not ring gasket.)
- ② Please insert the set bolt toward the piping side from the product side.
- ③ Please confirm whether the lateral movement of piping is within the allowable range.



3. Tightening of the bolts

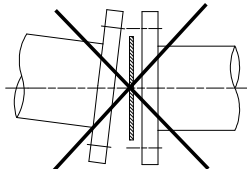
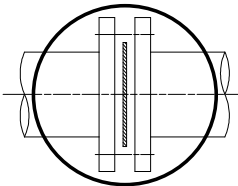
The order of bolt tightening.



- 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.



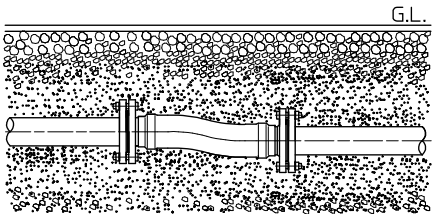
Please confirm whether the flange face is parallel before tightening.



Mounting bolt length

Size	Bolt length
15A	M12×50mm
20A	M12×55mm
25A	M16×60mm
32A~100A	M16×65mm
125A	M20×75mm
150A~200A	M20×80mm
250A~300A	M22×85mm

Completion



Install the tape with care so as not to cause any damage to the exterior anticorrosion tape.

NOTES

- Where the water hammer generate in the piping system, the flexible joint might be damaged. Please do appropriate impact prevention measures.  
Moreover, the use of Z-3000 composed of the tube for the vibrational absorption is recommended.
- 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.
- Please select the pipe size not to exceed 3m/s of flow velocity. (Inside diameter base)
- In case of corrosive fluid for stainless steel, ZTF series products (fluoro-resin bellows) are recommended.