

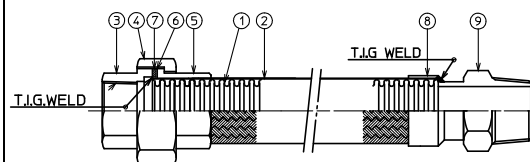
# Installation Manual for the Flexible Joint (Union×Nipple Connection)

Z-11000 ・ Z-12000



## Installation Procedure

### 1. Before installation



The shape of Z-11000

Table1 Parts List

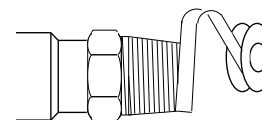
No.	Name	Material
1	Bellows	Stainless steel 304
2	Braid	Stainless steel 304
3	Union screw	FCMB(SCS13)
4	Union nut	FCMB(SCS13)
5	Union guard	FCMB(SCS13)
6	Union collar	Stainless steel 304
7	Gasket	Joint sheet without asbestos
8	Braid cover	Stainless steel 304
9	Nipple	FCMB(Stainless steel 304)

Material in ( ) is Z-12000

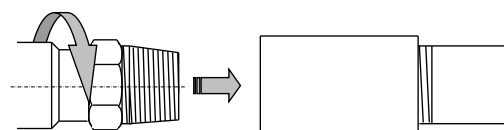
- Please confirm whether the diameter is correct.
- Please confirm whether there is any damage of sealing surface.

### 2. Installation on piping 1 (nipple)

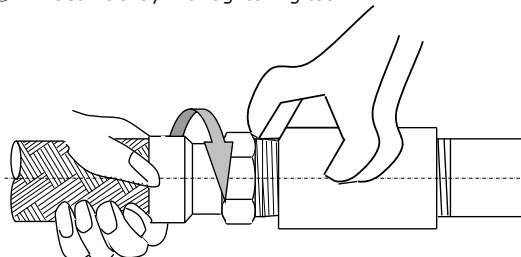
- ① Wrap teflon sealing tape on thread of nipple.



- ② Tighten the nipple screw onto the pipe end by hand.

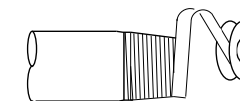


- ③ Fix it sufficiently with tightening tool.

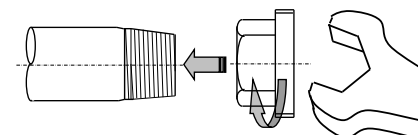


### 3. Installation on piping 2 (union)

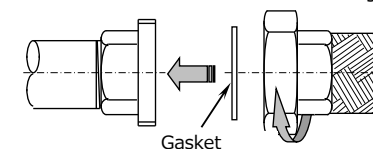
- ① Wrap teflon sealing tape on thread of pipe end.



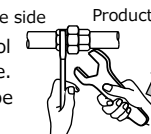
- ② Tighten the union screw onto the pipe end by hand, then tighten it with tightening tool.



- ③ Confirm the gasket on sealing face before tightening, set the union nut to the unionscrew and tighten it manually.



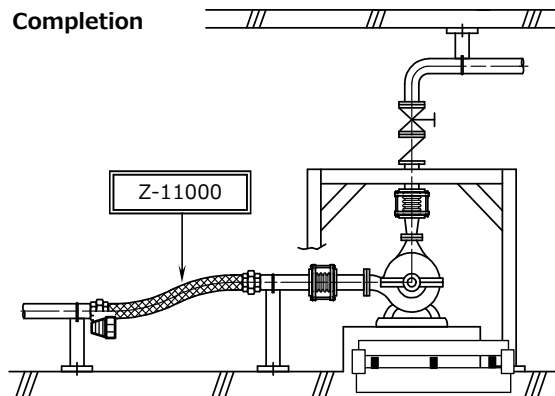
- ④ After tightening the union nut by hand, tighten it with tightening tool while holding the union screw in place. Be careful not to twist the flexible tube body.



### Tightening Torque

Size	Torque(N · m)
10A	40~45
15A	59~64
20A	79~84
25A	98~108
32A	118~128
40A	147~157
50A	196~206

### Completion



### NOTES

- Where the water hammer generate in the piping system, the flexible joint might be damaged. Please do appropriate impact prevention measures.
- In case of corrosive fluid for stainless steel, ZTF series products (fluoro-resin bellows) are 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 gaskets for steam line. cover around the flexible joint so that the welding current does not flow into the piping system.
- Non asbestos joint gasket that normally attached on sealing face is not applied for steam line. Please use our steam