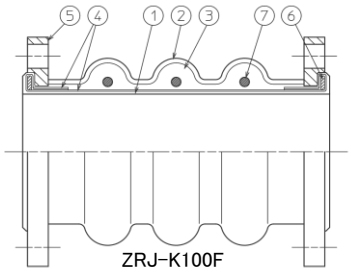
Installation Manual for the Rubber Joint	Ground	ZRJ-K100F ZRJ-K200F	ゼンシン株式会社

Installation Procedure

1. Product



ZRJ-K100F

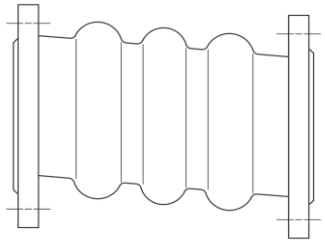
Table1 Parts List

No.	Parts name	material
1	Inner Layer Rubber	Synthetic rubber
2	Outer Layer Rubber	Synthetic rubber
3	Pluged rubber	rubber
4	Reinforcement fiber	Nyron fiber
5	Flange ※1	Carbon steel
		Stainless steel 304
6	Solid ring	Carbon steel
7	Reinforcement ring	Carbon steel

※1. Hot dip galvanizing is applied for carbon steel flange.

- 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



100mm･･･ZRJ-K100F(3 Sphere)
200mm･･･ZRJ-K200F(4 Sphehe)

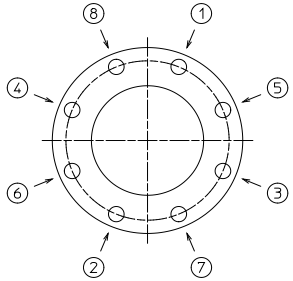
① Before installation, please wipe off the dust of the piping side flange and a rubber body seal side with a rag etc., check that there are no foreign substances, and set the product between the piping flanges.
② Please insert the set bolt toward the piping side from the product side. Moreover, in order to prevent the loosening of the nut, please use a spring washer.

Table 2 Set bolt length

Size	Bolt x length
20A	M12x60mm
25A～50A	M16x65mm
65A～100A	M16x70mm
125A～200A	M20x75mm
250A～300A	M22x90mm

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 refer to the value of Table 3 for the tightening torque that becomes the standard of tightening.

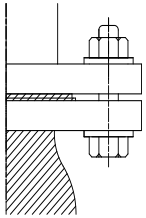
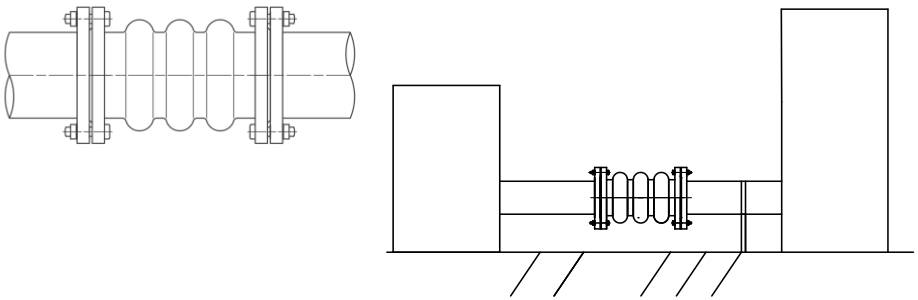


Table3 Tightening torque

Size	Tightening torque
20A	25N･m
25A～40A	30N･m
50A～100A	30N･m
125A～200A	40N･m
250A～300A	45N･m

⚠ Please confirm whether the flange face is parallel before tightening.

Completion



⚠ NOTES

1) Welding pipe line should be carried out before installation of the product.
If not, please make sure to ground to prevent from turning electric current into product and also to put a protective cover around the product.