

1. Applications and Features

Purpose	Gap adjustment of plumbing, Absorbing lateral movement
Location	Chemical plant, Food and Beverage, Pharmaceutical plant, Pure water etc.
Features	Fluororesin straight hose is inserted into the inner surface of the stainless steel flexible joint. Flat inner surface prevents liquid accumulation. Fluid contacting part is fluororesin, loose flange type.

2. Structure and Parts

Figure 1 shows the structure, and Table 1 shows the part names and materials.

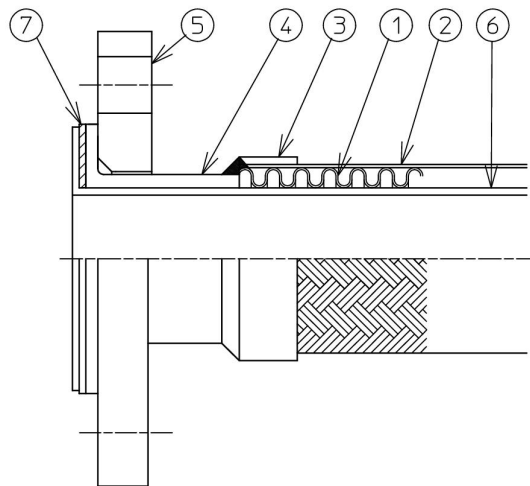


Figure 1 . Structure

Table1. Parts List

No.	Name	Material (Option)
1	Bellows	Carbon steel (Stainless steel 304)
2	Braide	Stainless steel 304
3	Braide cover	Stainless steel 304
4	Lap joint	Stainless steel 304
5	Loose flange	Carbon steel (Stainless steel 304)
6	PTFE horse	PTFE
7	Gasket	Joint sheet without asbestos

※Flange rating : JIS 10K

※Product size : 20A~200A

3. Maximum manufacturing product length and maximum working pressure
Table 2 shows maximum manufacturing product length and maximum working pressure.

Table 2. Maximum manufacturing product length
and maximum working pressure

Size	Max. manufacturing product length (mm)	Max. working pressure (MPa)
20A	200~3000	0.98
25A	300~3000	0.98
32A	300~3000	0.98
40A	300~3000	0.98
50A	300~3000	0.78
65A	300~3000	0.68
80A	300~3000	0.58
100A	300~3000	0.58
125A	300~3000	0.49
150A	300~3000	0.49
200A	300~2800	0.49

※Maximum working pressure is at normal temperature.

4. Applicable temperature range
-20℃~150℃

5. Mounting bolt length
Table 3 shows mounting bolt length.

Table 3. Mounting bolt length (JIS10K)

Size	Mounting bolt length		
	Bolt size	Length (Below Neck)	Quantity
20A	M12	55	8
25A	M16	60	8
32A	M16	65	8
40A	M16	65	8
50A	M16	65	8
65A	M16	65	8
80A	M16	65	16
100A	M16	65	16
125A	M20	75	16
150A	M20	80	16
200A	M20	80	24

※Mounting bolt length does not include the
thickness of flat washers and spring washers.

6. Inspection

Inspection items : Visual inspection, Dimensional inspection (Overall length),
Leak inspection

Frequency : ALL

7. Notes

- When using corrosive gases or vaporizing fluids such as hydrochloric acid, the permeated corrosive components may absorb moisture in the air and generate acid, which may corrode the stainless steel bellows and braid.
If there is such a possibility, use the "PP braid specification" of ZTF-2000.
- Please refer to the "Installation Instructions" for installation procedures.