

1. Applications and Features

Purpose	Gap adjustment of plumbing, Absorbing lateral movement
Location	General piping, various machine piping, etc.
Features	Special bellows are used to disperse stress accumulation. Furthermore, the non-welded construction of the bellows provides excellent durability in areas subject to vibration and impact pressure. This is a threaded flexible joint with union joints on both ends.

2. Structure and Parts

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

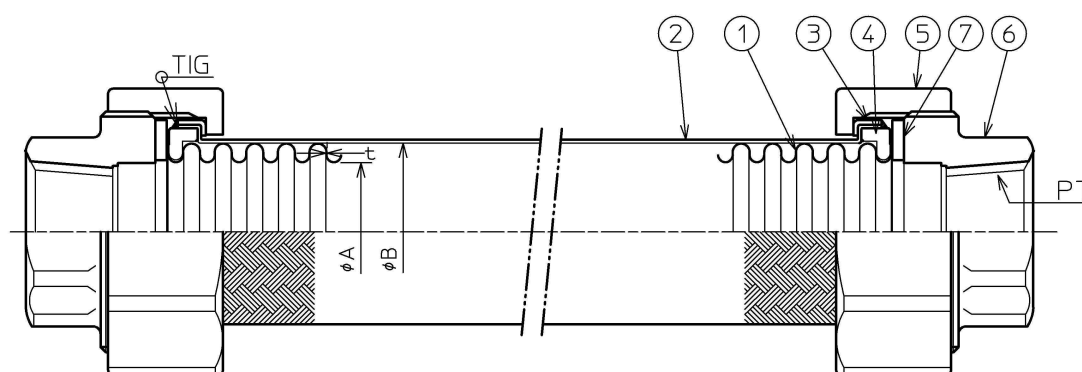


Figure 1 . Structure

Table1. Parts List

No.	Name	Material
1	Bellows	Stainless steel 304
2	Braid	Stainless steel 304
3	Ring cover	Stainless steel 304
4	Split ring	Stainless cast steel
5	Union nut	Malleable cast iron (Z-9000NW) Stainless cast steel (Z-10000NW)
6	Union screw	Malleable cast iron (Z-9000NW) Stainless cast steel (Z-10000NW)
7	Gasket	Joint sheet without asbestos

※Product length : 200mm~1000mm

3. Dimensions and maximum working pressure

Table 2 shows dimensions and maximum working pressure.

Table2. Dimensions and maximum working pressure Unit : mm

Size	Bellows			Max. working pressure (MPa)
	ϕ A	ϕ B	t	
15A	18.8	24.7	0.2	1.0
20A	23.7	31.0	0.2	1.0
25A	31.0	39.9	0.2	1.0
32A	38.0	47.6	0.25	1.0
40A	44.0	53.3	0.3	1.0
50A	55.4	65.8	0.3	1.0

※Maximum working pressure is at normal temperature.

4. Minimum bend radius and total length required for each displacement.

Table 3 shows the minimum bend radius and the total length required for each displacement.

Table 3. minimum bend radius and total length required for each displacement.

Unit : mm

Size	Min. bend radius	Displacement					
		50	100	150	200	250	300
15A	50	350	450	550	600	650	700
20A	65	350	450	550	600	700	750
25A	80	400	500	550	650	700	750
32A	100	400	550	650	700	800	850
40A	120	500	650	750	850	950	1000
50A	140	500	650	800	900	1000	—

<Design condition> Pressure : Maximum working pressure

Temperature : Normal temperature

Number of times repeated : More than 3,000 times

5. Applicable temperature range

Standard gasket : -20℃~100℃

Steam gasket : 100℃~180℃

6. Inspection

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

Frequency : ALL

7. Notes

- The non-asbestos gasket included in the standard specifications cannot be used for steam piping.
If you wish to use it for steam piping, please specify “with steam gasket” when ordering.
- Please refer to the “Installation Instructions” for installation procedures.