

1. Applications and Features

Purpose	Gap adjustment of plumbing, Absorbing lateral movement
Location	No vibration pipe line
Features	General-purpose threaded flexible joints with union fittings on both ends.

2. Structure and Parts

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

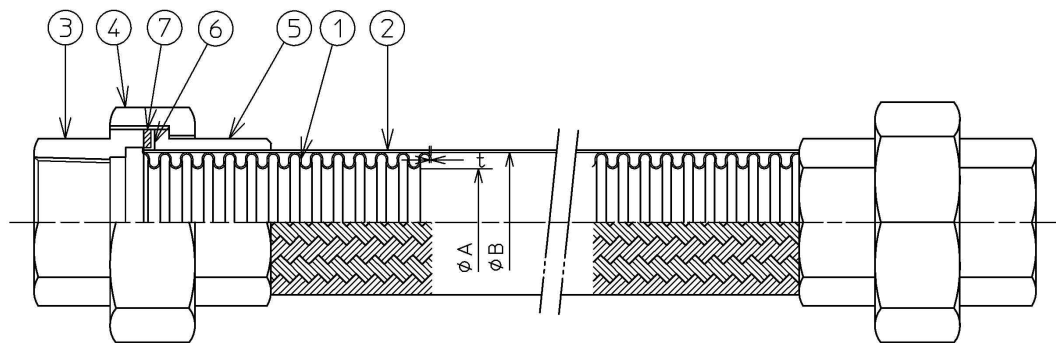


Figure 1. Structure

Table1. Parts List

No.	Name	Material
1	Bellows	Stainless steel 304
2	Braid	Stainless steel 304
3	Union screw	Malleable cast iron
4	Union nut	Malleable cast iron
5	Union guard	Malleable cast iron
6	Union collar	Stainless steel 304
7	Gasket	Joint sheet without asbestos

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	
8A	7.2	10.9	0.2	1.0
10A	10.5	15.0	0.25	1.0
15A	13.0	18.4	0.25	1.0
20A	19.0	25.4	0.3	1.0
25A	25.3	32.5	0.3	1.0
32A	33.5	40.6	0.3	1.0
40A	39.1	47.5	0.35	1.0
50A	52.6	61.6	0.35	1.0
65A	66.0	77	0.4	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.

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Unit : mm

Size	Min. bend radius	Displacement					
		50	100	150	200	250	300
8A	25	300	350	450	500	550	550
10A	35	350	450	500	550	650	700
15A	50	350	450	500	600	650	700
20A	65	400	500	600	700	750	800
25A	80	450	550	650	750	800	850
32A	100	500	650	750	850	950	1000
40A	120	550	700	800	900	1000	1100
50A	140	600	750	900	1000	1100	1200
65A	220	650	850	1000	1100	1200	1300

<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

- Please inquire separately when used for piping with severe vibration and pressure fluctuation.
- Please use expanded graphite-based joint sheets for steam piping.
(Thickness: 3.0 mm)
- Please refer to the “Installation Instructions” for installation procedures.