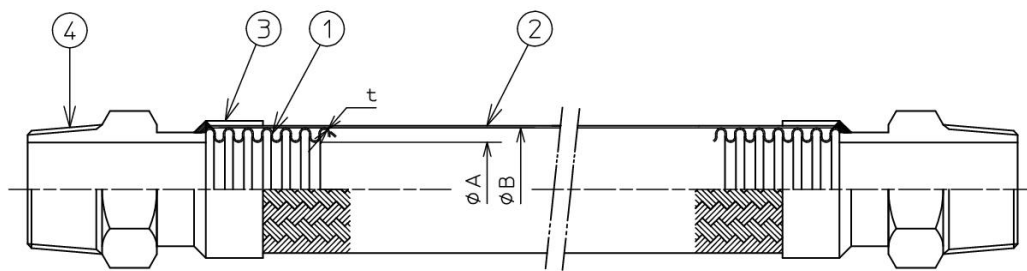


1. Applications and Features

Purpose	Gap adjustment of plumbing, Absorbing lateral movement
Location	No vibration pipe line
Features	Threaded flexible joints with fixed nipple joints on both ends.

2. Structure and Parts

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



Z-12000NI

Figure 1 . Structure

Table1. Parts List

No.	Name	Material
1	Bellows	Stainless steel 304
2	Braide	Stainless steel 304
3	Braide cover	Stainless steel 304
4	Nipple	Stainless steel 304

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	
10A	10.5	15.0	0.25	1.0
15A	13.0	18.4	0.25	1.0
20A	19.1	25.4	0.3	1.0
25A	25.5	32.2	0.3	1.0
32A	33.5	40.3	0.3	1.0
40A	39.5	47.6	0.35	1.0
50A	53.0	61.6	0.35	1.0
65A	66.0	77.0	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.

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
10A	35	300	400	500	550	600	650
15A	50	300	400	500	550	600	650
20A	65	400	500	600	650	700	800
25A	80	400	550	650	700	800	850
32A	100	500	650	750	850	950	1000
40A	120	500	650	800	900	1000	1050
50A	140	550	750	850	950	1050	1150
65A	220	600	800	950	1050	1150	1250

<Design condition> Pressure : Maximum working pressure (B1)

Temperature : Normal temperature

Number of times repeated : More than 3,000 times

5. Applicable temperature range

-20℃~300℃

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 refer to the "Installation Instructions" for installation procedures.