

1. Applications and Features

Purpose	Absorption of displacement in the direction perpendicular to the axis.
Location	Cold and hot water piping, Hot water piping, Steam piping, etc.
Features	Two bellows are connected by an intermediate pipe and tie rod bolts. This joint absorbs large expansion and contraction that occurs in long straight piping as perpendicular axial displacement (lateral movement). Compared to the case where expansion and contraction is absorbed as axial displacement, the number of expansion joints installed can be reduced.

2. Structure and Parts

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

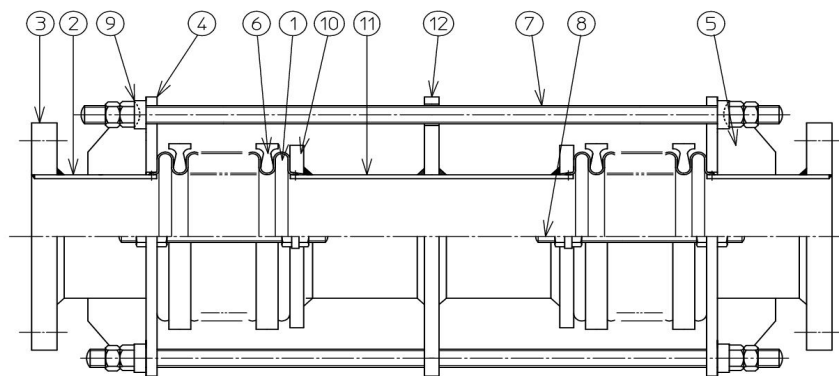


Figure 1 . Structure

Table1. Parts List

No.	Name	Material
1	Bellows	Stainless steel 304
2	Pipe	Carbon steel
3	Flange	Carbon steel
4	Guide flange	Carbon steel
5	Reinforcing ring	Carbon steel
6	Control ring	Grey cast iron
7	Tie rod ring	Carbon steel
8	Set bolt	Carbon steel
9	Spherical washer	Carbon steel
10	Ring	Carbon steel
11	Connecting pipe	Carbon steel
12	Holder	Carbon steel

※Flange rating : JIS 5K, 10K, 20K, JPI

※Product size : 50A~300A (Over 350A is also available)

※Other materials are also available on request.

3. Product length for each lateral movement

Table 2 shows product length for each lateral movement.

Table2. product length for each lateral movement

Unit : mm

Size	Lateral movement					
	Y=50	Y=100	Y=150	Y=200	Y=250	Y=300
50A	700L 3arch×2	850L 4arch×2	1100L 4arch×2	1200L 5arch×2	1350L 5arch×2	1550L 5arch×2
65A	750L 3arch×2	950L 4arch×2	1100L 5arch×2	1350L 5arch×2	1550L 5arch×2	1750L 5arch×2
80A	850L 4arch×2	1100L 5arch×2	1450L 5arch×2	1600L 6arch×2	1700L 7arch×2	1800L 8arch×2
100A	850L 4arch×2	1150L 5arch×2	1350L 6arch×2	1600L 6arch×2	1750L 7arch×2	1950L 7arch×2
125A	850L 3arch×2	1100L 4arch×2	1350L 4arch×2	1450L 5arch×2	1700L 5arch×2	1900L 5arch×2
150A	900L 3arch×2	1150L 4arch×2	1500L 4arch×2	1600L 5arch×2	1850L 5arch×2	2100L 5arch×2
200A	1000L 3arch×2	1350L 4arch×2	1750L 4arch×2	1850L 5arch×2	2150L 5arch×2	2500L 5arch×2
250A	1050L 3arch×2	1350L 4arch×2	1700L 4arch×2	1850L 5arch×2	2100L 5arch×2	2400L 5arch×2
300A	1100L 3arch×2	1450L 4arch×2	1700L 4arch×2	2050L 5arch×2	2350L 5arch×2	2650L 5arch×2

※Allowable expansion and contraction is based on a pressure of
0.1 MPa at normal temperature.

4. Applicable temperature range

Pressure : 0~1.0MPa (Normal temperature)

Temperature : 0~300℃ (Standard material)

5. Inspection

Inspection items : Visual inspection, Dimensional inspection (Overall length),
Leak inspection (airtight or penetrant testing)

Frequency : ALL

6. Notes

- Take away the set bolt after installation.
- Please refer to the "Installation Instructions" for installation procedures.