

1. Applications and Features

Purpose	Absorption of axial expansion and contraction
Location	Low pressure piping such as exhaust gas piping
Features	Structure with pipes and flanges welded to both ends of the bellows. This is the most standard expansion joint.

2. Structure and Parts

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

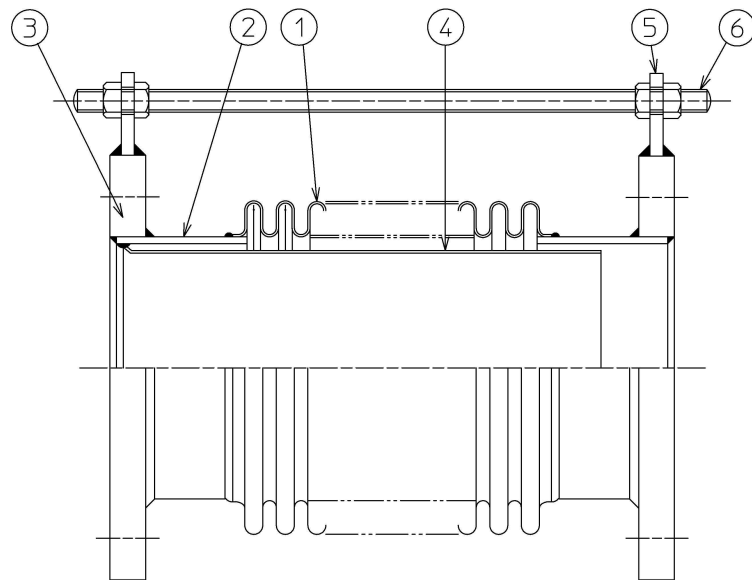


Figure 1 . Structure

Table1. Parts List

No.	Name	Material
1	Bellows	Stainless steel 304
2	Pipe	Carbon steel
3	Flange	Carbon steel
4	Inner sleeve	Stainless steel 304
5	Holder	Carbon steel
6	Set bolt	Carbon steel

※Flange rating : JIS 5 K, 10K, JPI

※Product size : 50A~1500A

※Double type is also available.

※Other materials are also available on request.

3. Dimensions and allowable expansion/contraction

Table 2 shows dimensions and allowable expansion/contraction

Table2. Dimensions and allowable expansion/contraction Unit : mm

Size	Height	Pitch	Thickness	Axial movement	No. of convolution	Length
50A	10	10	0.6	±5	6	160
				±10	12	220
65A	15	15	0.6	±8	4	160
				±14	7	205
80A	15	15	0.8	±5	4	160
				±10	7	205
100A	20	20	1.0	±5	3	160
				±10	5	200
				±15	7	240
125A	30	30	1.2	±10	3	220
				±15	4	250
				±20	5	280
				±25	7	340
150A	30	30	1.2	±10	3	220
				±15	4	250
				±20	5	280
				±25	7	340
200A	30	30	1.2	±10	3	240
				±15	4	270
				±20	5	300
				±25	7	360
250A	30	30	1.2	±10	3	240
				±15	4	270
				±20	5	300
				±25	7	360
300A	30	30	1.2	±10	3	240
				±15	4	270
				±20	5	300
				±25	7	360

※Allowable expansion and contraction is based on a pressure of
0.1 MPa at normal temperature.**4. Applicable temperature range**

Pressure : 0~0.5MPa (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

- Set expansion joint according to the direction of the seal which indicates fluid direction in case of the product with inner sleeve.
- Take away the set bolt after installation.
- Please refer to the "Installation Instructions" for installation procedures.