

1. Applications and Features

Purpose	Absorption of expansion and contraction
Location	Low pressure piping such as exhaust gas piping
Features	The outer sleeve attached to the outer surface of the bellows suppresses buckling, allowing a greater number of convolution to be set than in the Z-15000, making this expansion joint that can absorb a larger amount of expansion and contraction.

2. Structure and Parts

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

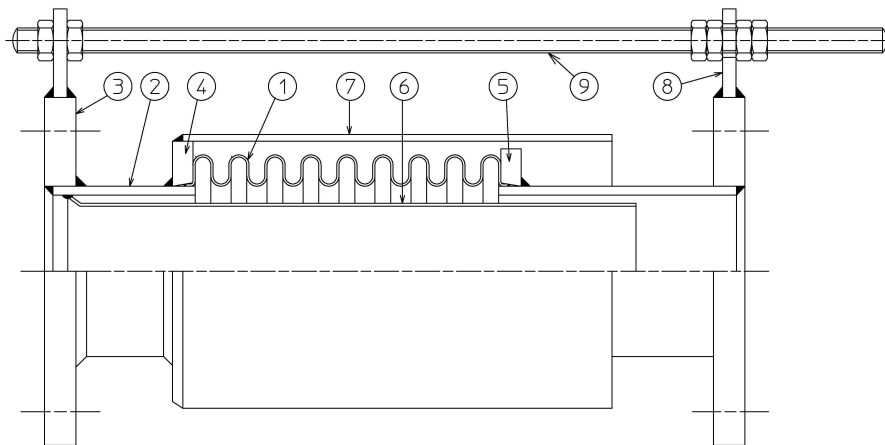


Figure 1 . Structure

Table1. Parts List

No.	Name	Material
1	Bellows	Stainless steel 304
2	Pipe	Carbon steel
3	Flange	Carbon steel
4	Neck ring	Carbon steel
5	Neck ring	Carbon steel
6	Inner sleeve	Stainless steel 304
7	Outer pipe	Carbon steel
8	Holder	Carbon steel
9	Tie rod bolt	Carbon steel

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

※Product size : 50A~500A

※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	250
				±10	12	320
				±15	17	380
				±20	23	450
65A	15	15	0.6	±8	4	270
				±14	7	320
				±20	10	370
				±28	14	470
80A	15	15	0.8	±5	4	270
				±10	7	320
				±15	10	370
				±20	14	470
100A	20	20	1.0	±5	3	270
				±10	5	320
				±15	8	380
				±20	10	470
125A	30	30	1.2	±10	3	320
				±15	4	370
				±20	5	420
				±25	7	470
150A	30	30	1.2	±10	3	320
				±15	4	370
				±20	5	420
				±25	7	470
200A	30	30	1.2	±10	3	320
				±15	4	370
				±20	5	420
				±25	7	470
250A	30	30	1.2	±10	3	350
				±15	4	400
				±20	5	450
				±25	7	500
300A	30	30	1.2	±10	3	350
				±15	4	400
				±20	5	450
				±25	7	500

※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) ※1.0MPa specifications also available.
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.
- Never take away tie rod bolt.
- Please refer to the "Installation Instructions" for installation procedures.