

1. Applications and Features

Purpose	Absorption of angular displacement
Location	Cold and hot water piping, Hot water piping, Steam piping, etc.
Features	<p>The restraining force of the hinge limits the movement of the bellows to angular displacement.</p> <p>Since the hinge takes up the thrust force generated by bellows expansion during pressurization, it is suitable for locations where fixed support of piping is difficult.</p> <p>By combining multiple hinges, displacement absorption in the axis direction perpendicular is also possible.</p>

2. Structure and Parts

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

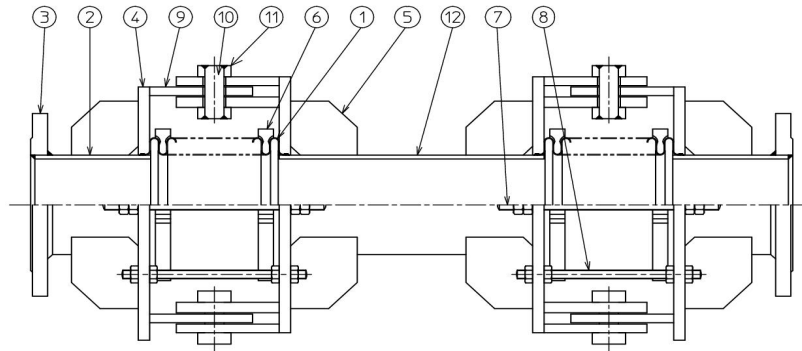


Figure 1 . Structure

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	Carbon steel
7	Tie rod bolt	Carbon steel
8	Set bolt	Carbon steel
9	Hinge arm	Carbon steel
10	Hinge pin	Carbon steel
11	Washer	Carbon steel
12	Connecting pipe	Carbon steel

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

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

※Single and double type is also available.

※Other materials are also available on request.

3. Applicable temperature range

Pressure : 0~1.0MPa (Normal temperature)

Temperature : 0~300℃ (Standard material)

4. InspectionInspection items : Visual inspection, Dimensional inspection (Overall length),
Leak inspection (airtight or penetrant testing)

Frequency : ALL

5. Notes

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