

1. Applications and Features

Purpose	Absorbing pump vibration
Location	Suction and delivery connection for High pressure water pump
Features	Rubber vibration absorbing joint with high pressure resistance specifications for a maximum working pressure of 2.0 MPa. The dimensional change due to internal pressure is small, making it suitable for absorbing vibration of high-pressure pumps.

2. Structure and Parts

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

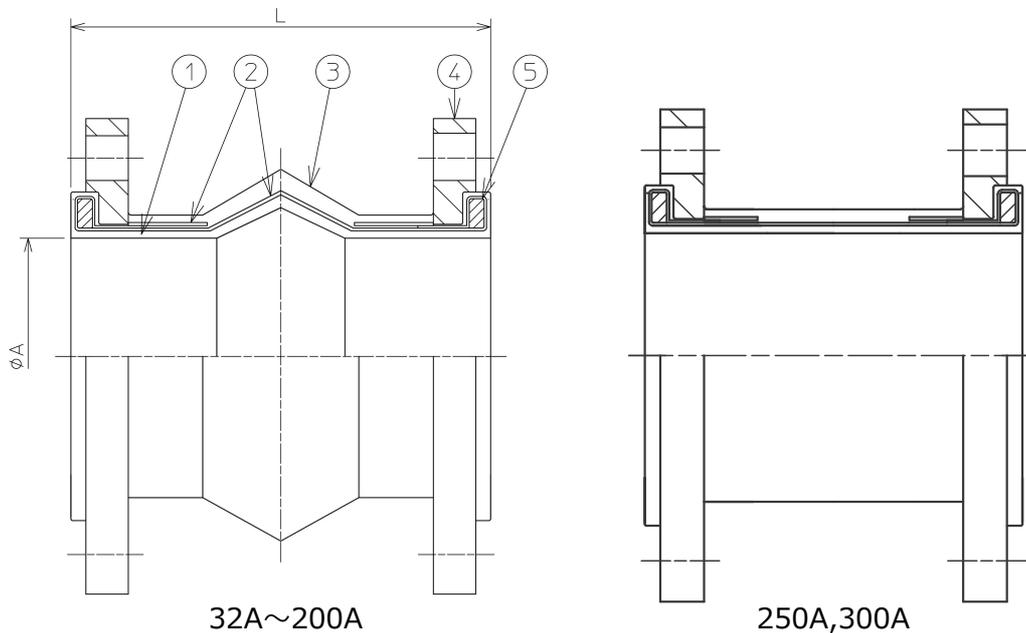


Figure 1 . Structure

Table1. Parts List

No.	Name	Material (Option)
1	Inner layer rubber	Synthetic rubber
2	Reinforcement fiber	Nylon fiber
3	Outer layer rubber	Synthetic rubber
4	Flange	Carbon steel (Stainless steel)
5	Solid ring	Carbon steel

※Flange rating : JIS 20K

※Product size : 32A~300A

※When the flange material is SS400, the surface treatment is hot dip galvanizing.

3. Dimensions and maximum working pressure

Table 2 shows dimensions and maximum working pressure.

Table2. Dimensions and maximum working pressure

Unit : mm

Size	L	ϕ A	Max. working pressure (MPa)
32A	183	38	2.0
40A	183	38	2.0
50A	183	48	2.0
65A	183	63	2.0
80A	183	73	2.0
100A	183	98	2.0
125A	233	123	2.0
150A	233	148	2.0
200A	233	198	2.0
250A	285	250	2.0
300A	285	300	2.0

※Maximum working pressure is at normal temperature.

4. Allowable operating movement

Table 3 shows allowable operating movement.

Table3. allowable operating movement

Size	Allowable operating movement				Weight (kg)
	Compression (mm)	Elongation (mm)	Lateral movement (mm)	Angular deflection (°)	
32A	20	10	20	20	3.3
40A	20	10	20	20	3.7
50A	20	10	20	16	4.0
65A	20	10	20	14	5.6
80A	20	10	20	13	7.4
100A	20	10	20	11	9.6
125A	20	20	20	9	15.8
150A	20	20	20	7	20.2
200A	20	20	20	6	25.1
250A	20	20	20	5	43.6
300A	20	20	20	4	51.9

※Displacements are individual maximum permissible amounts and are not guaranteed for loads acting simultaneously.

5. Applicable temperature range
-20°C~70°C

6. Mounting bolt length and bolt tightening torque (recommended value)

Table 4 shows the length of the mounting bolt.

Table 5 shows the tightening torque of the bolt.

Table 4. Mounting bolt length (JIS10K)

Size	Mounting bolt length		
	Bolt size	Length (Below Neck)	Quantity
32A	M16	75	8
40A	M16	75	8
50A	M16	75	16
65A	M16	75	16
80A	M20	85	16
100A	M20	85	16
125A	M22	100	16
150A	M22	100	24
200A	M22	120	24
250A	M24	130	24
300A	M24	130	32

Table 5. Torque of the bolt

Size	Torque (N·m)
32A~80A	50
100A~125A	60
150A~200A	70
250A~300A	80

※Mounting bolt length does not include the thickness of flat washers and spring washers.

7. Inspection

Inspection items : Visual inspection, Dimensional inspection (overall length),
pressure resistance inspection

Frequency : Visual inspection are all products.

Dimensional and pressure resistance inspections are sampling inspections.

8. Notes

- Cannot be used for hot water supply and swimming pool circulating water.
- In environments exposed to high concentrations of ozone, cracks may occur on the surface due to ozone degradation.
In such cases, we recommend choosing stainless steel products instead of rubber products.
- Insert mounting bolt from product side.
and tighten bolts evenly in diagonal line order.
- The service life of rubber fittings may be reduced depending on the conditions of use.
For details, please refer to the precautions in the catalog.
- Please refer to the "Installation Instructions" for installation procedures.