1． Applications and Features

Purpose	Absorbing pump vibration, Absorbing lateral movement
Location	Pipe line for air-conditioning and sanitary facility, building equipment, tap water and waste water facility and utility
Features	The use of unique reinforcing fibers reduces dimensional change due to internal pressure and provides excellent pressure resistance. Product length can be easily changed.

2． Structure and Parts

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

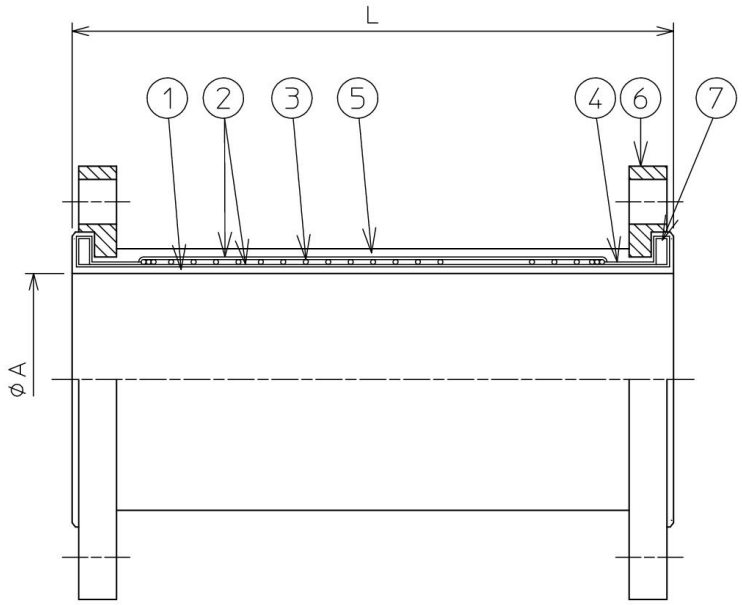

Figure 1． Structure

Table1. Parts List

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

※Flange rating : JIS 10K（Standard）, 5K, 上水, JPI150lb

※Product size ：20A～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	ϕ A	Length (L)		Max. working pressure (MPa)
		Standard	MLIT	
20A	25	300	300	1.0
25A	25	300	300	1.0
32A	40	300	300	1.0
40A	40	300	300	1.0
50A	50	300	500	1.0
65A	65	300	500	1.0
80A	76	300	500	1.0
100A	100	400	700	1.0
125A	125	400	700	1.0
150A	150	500	700	1.0
200A	200	500	700	1.0
250A	250	500	700	1.0
300A	300	600	700	1.0

※Maximum working pressure is at normal temperature.

4． Allowable operating movement

Table 3 shows allowable operating movement.

Table3. allowable operating movement

・Standard Length Unit : mm

Size	Allowable operating movement		
	Compression	Elongation	Lateral movement
20A	5	7	80
25A	5	7	80
32A	5	7	80
40A	5	7	80
50A	5	7	80
65A	5	5	50
80A	5	5	50
100A	6	6	45
125A	6	6	40
150A	8	8	40
200A	8	8	30
250A	8	8	25
300A	10	10	25

・MLIT Length Unit : mm

Size	Allowable operating movement		
	Compression	Elongation	Lateral movement
20A	5	7	80
25A	5	7	80
32A	5	7	80
40A	5	7	80
50A	5	8	80
65A	5	8	80
80A	5	8	80
100A	7	10	80
125A	10	10	70
150A	11	11	55
200A	11	11	40
250A	11	11	35
300A	11	11	30

※Displacements are individual maximum permissible amounts and are not guaranteed for

loads acting simultaneously.

5. Applicable temperature range
-10℃～80℃

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
20A	M12	50	8
25A	M16	55	8
32A	M16	55	8
40A	M16	55	8
50A	M16	65	8
65A	M16	65	8
80A	M16	65	16
100A	M16	65	16
125A	M20	75	16
150A	M20	75	16
200A	M20	75	24
250A	M22	90	24
300A	M22	90	32

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

Table 5. Torque of the bolt

Size	Torque (N·m)
20A	25
25A～100A	30
125A～150A	40
200A～300A	45

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
- 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.