

## 1. Applications and Features

Purpose	Gap adjustment of plumbing, Absorbing lateral movement
Location	Chemical plant, Food and Beverage, Pharmaceutical plant, Pure water etc.
Features	This flexible joint uses a fluororesin hose with excellent corrosion resistance, heat resistance, and weather resistance. The fitting is metal-sealed, gasket is not required.

## 2. Structure and Parts

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

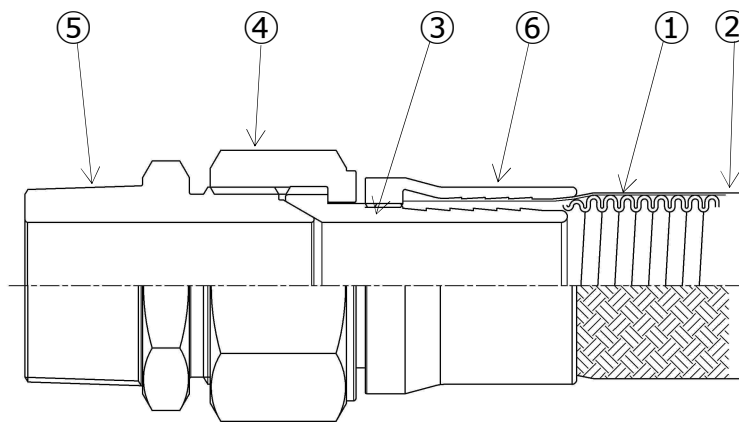


Figure 1 . Structure

Table1. Parts List

No.	Name	Material (Option)
1	Hose	PTFE
2	Braide	Stainless steel 304
3	Sleeve	Stainless steel 304 (Stainless steel 316) (Stainless steel 316L)
4	Cap nut	Stainless steel 304
5	Nipple	Stainless steel 304 (Stainless steel 316) (Stainless steel 316L)
6	Cover	Stainless steel 304

※Product size : 8A~50A

### 3. Minimum bending radius, manufacturing product length and maximum working pressure

Table 2 shows minimum bending radius, manufacturing product length and maximum working pressure

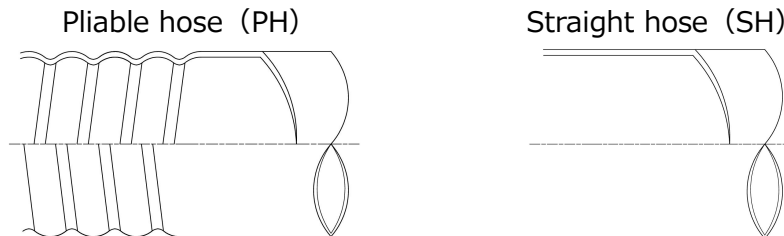


Figure2. Hose type

Table2. Minimum bending radius, manufacturing product length and maximum working pressure  
Unit : mm

Size	Minimum bending radius		Manufacturing product length		Maximum working pressure (MPa)	
	PH	SH	PH	SH	PH	SH
8A	26	77	200~22000	200~45000	4.5	13.7
10A	26	102	200~22000	200~45000	4.5	11.4
15A	26	166	300~15000	200~30000	4.5	6.8
20A	51	196	300~15000	250~22000	4.5	5.2
25A	77	229	300~15000	250~18000	4.5	4.5
32A	159	407	350~15000	350~12000	4.5	3.6
40A	191	800	400~15000	400~4000	3.2	1.9
50A	254	1800	400~15000	500~3500	2.2	1.3

※Maximum working pressure is at normal temperature.

### 4. Applicable temperature range

-20℃~150℃

### 5. Option

Anti-static specification	Hoses with carbon added to prevent static electricity buildup in the hoses.
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### 6. Inspection

Inspection items : Visual inspection, Dimensional inspection (Overall length),  
Leak inspection

Frequency : ALL

**7. Notes**

- When using corrosive gases or vaporizing fluids such as hydrochloric acid, the permeated corrosive components may absorb moisture in the air and generate acid, which may corrode the stainless steel blade.  
If there is such a risk, use a product with polypropylene braid specification.
- In case of high specific gravity fluid, fuel, or high-pressure steam, the hose inside may become charged with static electricity.  
If the accumulated static charge exceeds the charge limit, it may discharge toward the outer braid, which may cause damage to the hose.  
If there is such a possibility, use a product with anti-static specification.
- Please refer to the “Installation Instructions” for installation procedures.