

1. Applications and Features

Purpose	Gap adjustment of plumbing, Absorbing lateral movement
Location	HVAC pipeline, various machine piping, etc.
Features	<p>Metal-sealed joints eliminate the need for packing.</p> <p>The metal fittings are assembled without welding, so this product have excellent durability against vibration.</p>

2. Structure and Parts

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

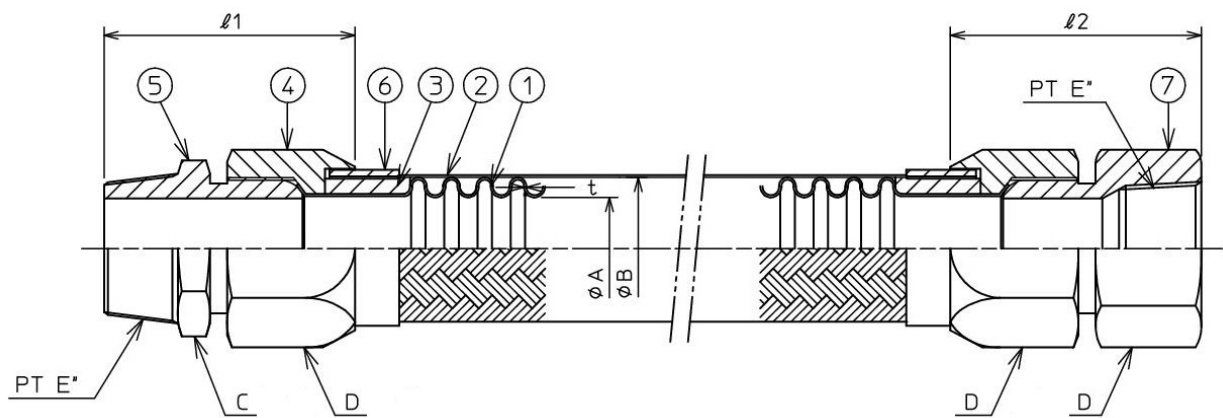


Figure 1 . Structure

Table1. Parts List

No.	Name	Material (Option)
1	Bellows	Stainless steel 304
2	Braide	Stainless steel 304
3	Sleeve	Carbon steel (Stainless steel 304
4	Nut	Carbon steel (Stainless cast steel)
5	Male nipple (Female nipple)	Carbon steel (Stainless cast steel)
6	Clamp ring	Stainless steel 304
7	Female nipple (Male nipple)	Carbon steel (Stainless cast steel)

※Nipple type : Male×Female、Male×Male、Female×Female

3. Dimensions and maximum working pressure

Table 2 shows dimensions and maximum working pressure.

Table2. Dimensions and maximum working pressure

Unit : mm

Size	Bellows			Metal seal joint					Max. working pressure (MPa)
	ϕA	ϕB	t	C	D	E	$\ell 1$	$\ell 2$	
8A	10.0	15.5	0.3	19	24	1/4	46	42	1.0
10A	10.0	15.5	0.3	19	24	3/8	48	45	1.0
15A	12.4	18.2	0.3	24	27	1/2	55	51	1.0
20A	18.2	24.9	0.3	27	32	3/4	58	54	1.0
25A	24.4	32.0	0.3	35	41	1	65	61	1.0

※The maximum working pressure is based on SUS304 bellows material at normal temperature.

4. Applicable temperature range

-20℃~300℃

5. Tightening Torque(recommended)

Table 4 shows the tightening torques for metal seal fittings.

Table 3. Tightening torque

Size	Tightening torque (N·m)
8A	60
10A	60
15A	90
20A	100
25A	150

6. Inspection

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

Leak inspection

Frequency : ALL

7. Notes

- Please inquire separately when used for piping with severe vibration and pressure fluctuation.
- Please be careful not to scratch the metal seal during installation.
- Please do not remove the nipple after installation.
- Please refer to the "Installation Instructions" for installation procedures.