

T-FLEX S Cylindrical flexible joint produced by coating the outer surface of fluoropolymer with synthetic rubber

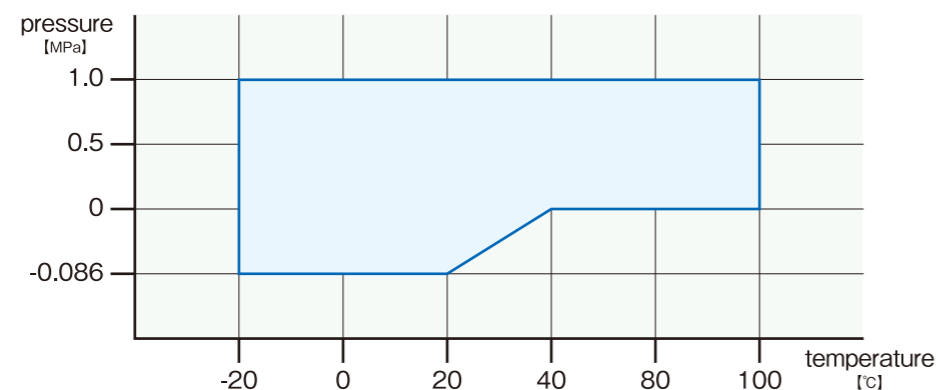
T-FLEX S (straight)

Excellent heat and chemical resistance due to the use of fluoropolymer at fluid contact portion. Other properties include water repellency, oil repellency, and non-stickiness.

The straight internal structure prevents the accumulation of liquid.



Pressure / Temperature



- Please make sure that the highest operating pressure and the highest operating temperature are within the operating range before use.
- Max. operating pressure : 1.0MPa (Based on the graph of operating range above)
Please contact us when using this product under the pressure that exceeds the maximum operating pressure (1.0 MPa) for individual examination of the structure.
- Max. operating temperature : 100°C (Based on the graph of operating range above)
- Please contact us if gas is flowing through the pipe because the highest operating pressure becomes different.

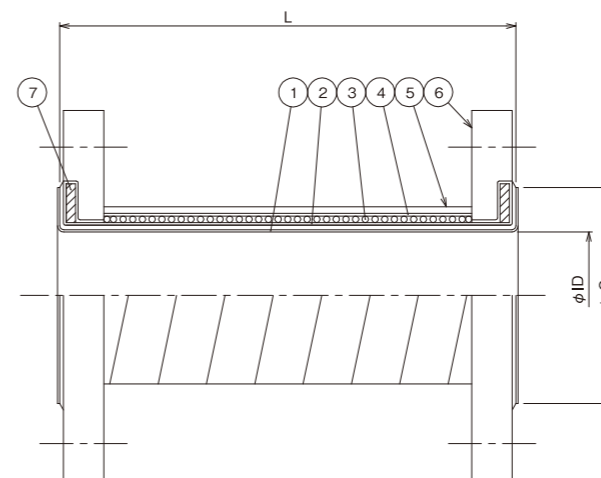
- This product cannot be used in areas with repeated and frequent pressure changes, such as the delivery side of pressurizing or pressure boosting water pumps.
- The sealing performance may be lowered due to the characteristics of the material. Please re-tighten the seal or use a gasket in such cases.

Handling instructions

- This product generates reactive force due to the load of the inner pressure. Thus, fixing points or supports are required for installed pipes. (Please see p. 26-28.)
- Please see 26-28 for other cautions.

Structure

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No.	Name	Material
1	Straight hose	PTFE
2	Reinforcement layer	Synthetic fiber
3	Reinforcement wire	Steel wire
4	Reinforcement layer	Synthetic fiber
5	Outer rubber	Synthetic rubber
6	Flange	SS400, SUS304 etc.
7	End-ring	SS400

- The standard product uses the JIS10K flange. Flanges with other specification, such as JIS5K, JIS20K, tap water, JPI, ANSI can also be used.
- Besides the standard products SS400 and SUS304, acceptable materials of the flange include SUS316, SUS316L and S25C.
- The hot-dip galvanized material (Zn plating) is the standard for the SS400 flange. Painted materials are also available.

Size

NB	L [mm]		φID [mm]	φG [mm]	Official tolerance of displacement		
	official spec	producible length			expansion [mm]	contraction [mm]	eccentricity [mm]
15A	300	200~700	20	53	5	2	20
20A	300	200~700	25	52	5	2	20
25A	300	200~700	25	58	5	2	20
32A	300	200~700	33	66	5	2	15
40A	300	200~700	33	66	5	2	15
50A	500	200~700	48	80	5	3	20
65A	500	200~700	61	100	5	3	20
80A	500	200~700	73	110	5	3	20
100A	700	200~700	102	143	5	3	20
125A	700	200~700	124	164	5	3	15
150A	700	200~700	152	198	5	3	15
200A	700	200~700	198	256	5	3	15
250A	700	200~700	248	305	5	3	15
300A	700	200~700	300	367	5	3	15
350A	700	200~700	332	403	5	3	15

- Please make sure that deflections remain within permissible range during operation.
- The deflections in the chart indicate independent deflections. Corrections are required when there are multiple deflections. Please see p. 26 for the method of correcting deflections.
- The φG values in the chart indicate the standard sizes when a JIS10K flange is used.