

Rubber flexible joint Pipe or Cylindrical type

LINERFLEX

A type of rubber flexible joint with excellent lateral displacement capacity



Feature

Excellent deflection absorbance property

LINERFLEX has adequate flexibility for lateral and angular displacement, particularly suitable for water tank connection.

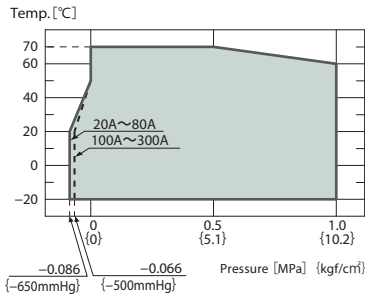
Designation of face-to-face dimension

Customized face-to-face dimensions are available upon request.

Small variation in dimension

Little variation in both axial and circumferential dimension when under pressure, so loading on equipment are reduced.

Operating Conditions and Performance



- Use after confirmation that the maximum operation pressure and maximum service temperature are within the operation range.
- The range of operating conditions depends on the flange standard.

Structure

No.	Parts	Material	No.	Parts	Material
①	Flange	SS400	④	Outer Rubber	EPDM (SK10)
②	Reinforcing Ring	SWRH or SS400	⑤	Reinforcing cord	Synthesized fiber
③	Inner Rubber	EPDM (SK10)	⑥	Reinforcing Ring	SWG-F-2

• For 20mm to 40mm, instead of a reinforcing ring ⑥, reinforcing cord is used.

Flange compatible dimension	Standard	JIS10K	
	Flange standard can be changed to	○ JIS5K ○ PN16 ✗ JIS20K ○ ANSI	20mm~25mm can't be manufactured
Material	Standard	SS400	
	Flange material can be changed to	✗ FCD ○ SUS304 ○ SUS316 ✗ PVC	20mm~32mm can't be manufactured

Dimensions and Allowable Movements

Product conforms to a specification by the Ministry of Land, Infrastructure, Transport and Tourism (MLIT)

Nominal Dia. mm	inch	Dimension [mm] L	φd	Structure type	Mass [Kg]	Allowable Movement [mm]				Installation Tolerances [mm]			
						Eccentricity	Elongation	Compression	Deflection angle	Eccentricity	Elongation	Compression	Deflection angle
20	3/4	300	25	A	1.5	80	7	8	15°	30	3	3	5°
25	1	300	25	A	2.3	80	7	8	15°	30	3	3	5°
32	1 1/4	300	40	A	3.0	70	7	8	15°	25	3	3	5°
40	1 1/2	300	40	A	3.4	60	7	8	15°	25	3	3	5°
50	2	300	50	A	4.2	60	7	8	15°	25	3	3	5°
		500		C	5.7	80	8	10	20°	30	5	5	
65	2 1/2	300	65	A	5.7	50	6	6	15°	20	3	3	5°
		500		C	7.4	80	8	10	20°	30	5	5	
80	3	300	75	A	5.8	50	6	6	10°	20	3	3	5°
		500		C	7.7	80	8	10	20°	30	5	5	
100	4	400	100	C	8.8	50	6	6	10°	20	4	4	5°
		700		C	11.0	80	10	10	15°	30	7	7	
125	5	400	125	C	13.0	40	6	6	10°	15	4	4	5°
		700		C	15.0	70	10	10	15°	25	7	7	
150	6	500	150	C	16.0	40	8	8	10°	15	5	5	5°
		700		C	18.0	60	10	10	15°	25	7	7	
200	8	500	200	C	20.0	30	8	8	5°	10	5	5	2.5°
		700		C	22.0	40	10	10		15	7	7	
250	10	500	250	C	30.0	30	8	8	5°	10	5	5	2.5°
		700		C	33.0	40	10	10		15	7	7	
300	12	600	300	C	34.0	35	8	10	5°	10	6	6	2.5°
		700		C	37.0	40	10			15	7	7	

- Mass is the data when material is SS400, and flange is JIS10K flange.
- Use a joint within the allowable displacement range.
- The allowable fixing dimension is included in the allowable displacement amount (allowable displacement amount = fixing time displacement + operation displacement)
- Each displacement in the chart are data of a single displacement, so for multiple displacements, correction is necessary. For correction method, refer to "Attention for handling or "TOZEN HP"
- Products other than those that conform to the MLIT specification are a made-to-order product.

Note: This brochure may be revised without prior notice. We apologize in advance for any inconvenience this may cause.

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