

Rubber Covering Fluororesin Flexible Joint Rubber Covered type

LT Connector

With an eccentricity of 200mm and a working temperature of -20°C to 100°C LT Connector is a complex functional expansion joint made of aramid fiber and synthetic rubber of high durability and high pressure resistance.



Make-to-order products

Feature

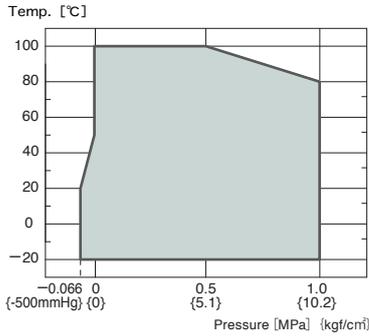
High durability

Passed 20,000 cycles in reciprocating pressure fluctuation test.

Withstanding pressure

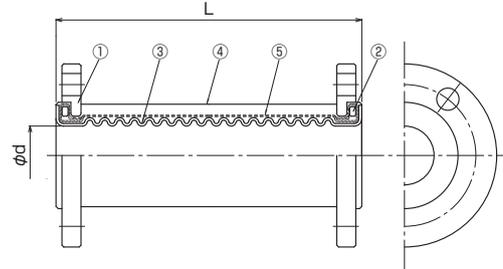
Voltage reinforcing cords with Fluororesin.

Operating Conditions and Performance



- Use after confirmation that the maximum operation pressure and maximum service temperature are within the operation range.

Structure



No.	Parts	Material	No.	Parts	Material
①	Flange	SS400	④	Outer Rubber	EPDN
②	Reinforcing ring	SS400	⑤	Reinforcing cord	Aramid fiber
③	Bellows	Fluoropolymer			

- Joints are not designed for air or gas application

	Standard	JIS10K		
		Flange standard can be changed to		
Flange compatible dimension	Flange standard can be changed to	x	JIS5K	Contact us
		Δ	PN16	
		x	JIS20K	Contact us
		Δ	ANSI	
Material	Flange material can be changed to	Standard	SS400	
		x	FCD450	
		○	SUS304	
		x	SUS316	
		x	PVC	

Dimensions and Allowable Movements

Nominal Dia.		Dimension [mm]		Mass [Kg]	Allowable Movement [mm]				Installation Tolerances [mm]			
mm	inch	L	φd		Eccentricity	Elongation	Compression	Deflection angle	Eccentricity	Elongation	Compression	Deflection angle
15	1/2	450	14	1.5	200	20	20	10	5	5	5	5
20	3/4	450	19	2.2	200	20	20	10	5	5	5	5
25	1	450	24	2.9	200	20	20	10	5	5	5	5
32	1 1/4	450	30	3.7	200	20	20	10	5	5	5	5
40	1 1/2	450	34	4.2	200	20	20	10	5	5	5	5
50	2	450	47	4.8	200	20	20	10	5	5	5	5
65	2 1/2	450	60	6.8	200	20	20	10	5	5	5	5
80	3	500	73	7.1	200	20	20	10	5	5	5	5
100	4	500	95	8.9	200	20	20	10	5	5	5	5

- Mass is the data when material is SS400, and flange is JIS10K flange.
- Use a joint within the range of allowable displacement.
- Fixing allowable dimension is included in allowable displacement (allowable displacement = fixing time displacement + operation displacement).
- Each displacement in chart are data of single displacement, so for multiple displacements, correction is necessary. For correction method, refer to "Attention for handling" or "TOZEN HP".
- When inner pressure and compression direction displacement occur, sometimes the body of main body can be distorted.



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

Agent

TOZEN Corporation
8-4, Asahi, Yoshikawa
Saitama 342-0008 Japan