

Universal Type Double Expansion Joint with Limited Rods

SJT7200 Series

Classical type of double bellows construction, for large amount of axial and lateral movement.



Feature

Absorption for large amount of thermal expansion:

Double Bellows Expansion Joints are employed in piping systems to absorb large amount of differential thermal expansion while and lateral displacement containing the system pressure.

Maximize the productivity:

Standard design of movement and material maximizes the productivity while the custom design maximizes the suitability for special applications.

Reliability:

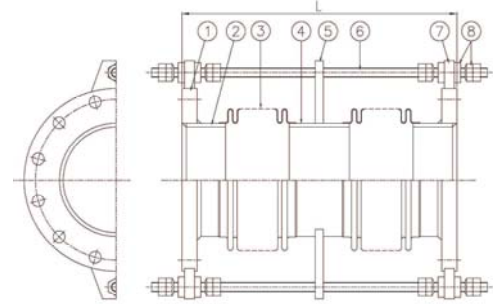
Computer designed bellows element complies with EJMA criteria.

Quality:

All products are tested before delivery according to relevant code or ISO quality control system.

Design Working Pressure	1.02 MPA (10 Kgf/cm ²)
Design Working Temperature	250°C
Applicable Fluid	Water, Hot Water, Oil, Steam, Gas, and Exhaust Air
Axial Movement	25 mm
Lateral Movement	25 mm

Structure



Item	Parts	Standard Material
1	Fixed Flange	SS400
2	Short Pipe	CS
3	Stainless Steel Bellows	SUS304
4	Middle Pipe	CS
5	Limited Rod	SS400
6	Middle Holder	SS400
7	Thick Holder	SS400
8	Spherical Nut & Washer	SS400

Dimensions and Allowable Movements

Size [A]	L	Spring Rate [N/mm]		Effective Area [cm ²]
		Axial	Lateral	
40	450	48.0	1.4	25.9
50	450	47.1	1.6	28.3
65	475	49.0	2.5	48.3
80	475	57.2	4.0	65.5
100	500	64.4	7.9	131.0
125	500	66.9	13.5	195.2
150	500	55.1	13.8	266.1
200	550	60.9	22.9	441.4
250	550	106.9	58.3	665.3
300	550	74.6	67.7	945.4
350	550	81.2	87.9	1125.5
400	600	109.0	95.9	1447.8
450	650	144.7	170.8	1812.2
500	650	131.4	171.7	2241.7
600	700	130.0	223.0	3177.9

Installation Guide

Nuts are fixed by welding for allowable movement setting
Shipping devices (painted yellow) must be removed prior to start-up or testing the system.
Please consult us for other material, pressure, temperature and movement designs.
Please read the instruction xxxxx before designing and installation.

Note: The content of this catalog is subject to change without prior notice.

Aget

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