

Anti-vibration stainless steel flexible connector

SVT Series



Feature

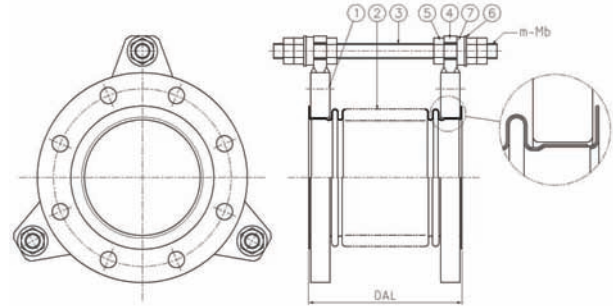
- The fluid connecting surface is a single piece of stainless steel.
- Double ply bellows structure enhance the vibration absorption capacity in short length while containing the system pressure.
- Convolution and sealing surface are integrally formed without hot welding process that eliminates the heat affect zone(HAZ)
- SVT connector is used in connection with water pumps, chillers, air handling unit and other vibration sources to alleviate the vibration transmission to the piping system.
- Standard control units restraint the elongation of the joint and high capacity rubber bush reduce the vibration transmission.

Applications

- SVT anti-vibration flexible connectors are used in all piping system in commercial and general industries.

Size	Qty	JIS10K	JIS20K	PN16
50	2	M12	M12	M12
65	2			
80	2			
100	3		M20	M16
125	3			
150	3			
200	4	M16	M24	M20
250	4			
300	4	M20	M30	M30

Structure



No.	Parts	Material
1	Flange	SS400 (ZINC PLATED)
2	Stainless Steel Bellows	SUS316L/SUS 304
3	Tied rod	SS400 (ZINC PLATED)
4	Thick Holder	SS400 (ZINC PLATED)
5	Nut	SS400 (ZINC PLATED)
6	Washer	SS400 (ZINC PLATED)
7	Rubber bush	Urethane Rubber

SVT-1121- JIS10K w/p 10 bars

Size	OAL	Movement (mm)		Spring Rate (N/mm)		Eff. Cross Section Area(cm ²)
		Axial	Lateral	Axial	Lateral	
50	150	11	5.5	76.0	37.8	36.1
65	150	11	5	77.2	57.9	51.4
80	150	10.5	5	70.7	84.9	77.6
100	150	9.5	5	66.0	136.9	119.2
125	150	9.5	4.5	68.6	206.3	183.5
150	150	9	4	66.3	295.6	256.3
200	200	12	6	100.3	340.4	430.3
250	200	12	5.5	94.5	511.7	658.3
300	200	10	4	157.3	1161.1	897.3

SVT-1122- JIS20 K w/p 20 bars

Size	OAL	Movement (mm)		Spring Rate (N/mm)		Eff. Cross Section Area(cm ²)
		Axial	Lateral	Axial	Lateral	
50	149	7	3	112.9	97.5	35.7
65	150	7	3	119.2	135.6	50.6
80	150	7.5	3	129.3	168.4	74.9
100	150	9	3	127.8	285.3	120.8
125	150	8.5	2.5	147.0	535.0	184.7
150	200	7.5	2	182.4	981.9	255.9
200	200	9.5	3.5	213.2	902.0	432.3
250	200	6	3	321.3	2405.9	664.4
300	200	6	2.5	508.2	5429.4	947.9

SVT-1126- PN 16 w/p 16 bars

Size	OAL	Movement (mm)		Spring Rate (N/mm)		Eff. Cross Section Area(cm2)
		Axial	Lateral	Axial	Lateral	
50	150	10	3	102.7	67.6	35.5
65	150	10	3	104.0	104.0	50.8
80	150	10	3	107.5	142.1	76.0
100	150	11.5	3	101.7	247.6	123.5
125	150	10	3	110.4	385.4	188.7
150	150	8	3	117.1	604.3	261.9
200	200	11.5	4	140.4	665.5	441.7
250	200	8	3	256.6	1567.3	652.6
300	200	7	2.5	275.6	2796.0	914.6