

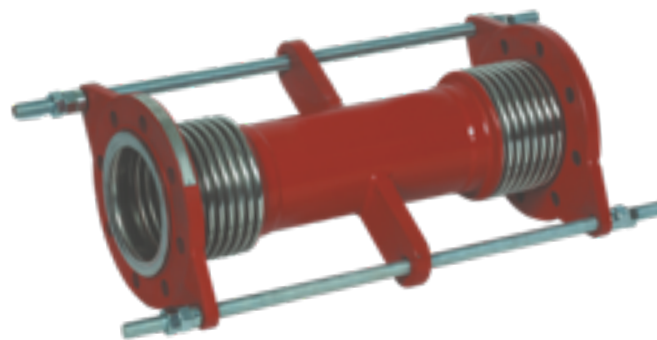
V604

DILATATION EXPANSION JOINT



Product Description

Dilatation and Earthquake Expansion Joints are also known as Angular Expansion Joints or Hinged Gimbal Type Expansion Joints are designed to compensate the movements in three axis and have ability to absorb large movement in any platform. Angular/Gimbal Type expansion joints permits large angular movement of the joint in any axis via the hinges fixed to a common floating ring. Two bellows on the product allows movement in X-Y-Z directions



Technical Data	
Size range	DN25 - DN250
Pressure range	PN10 - 16 - 25 - 40
Temperature	-10°C to +550 °C
Design	EN 14917 & EJMA
Face to face	EN 14917
Connection Standard	EN 1092-2 / ISO 7005-2 Rotating Flanged, Fixed Flanged, Welding End
Testing	EN 12266-1
Marking	EN 19
Expansion Range	$\Delta L=30$ mm. Y: 25-50-75-100mm. $\Delta L=60$ mm. Y: 25-50-75-100mm.

Application Range

- Hot & Cold Water
- Firefighting pipelines
- Superheated water, Steam
- Industrial Applications
- Marine & Exhaust systems
- HVAC lines

Related Products

- V801 Globe Valve
- V802 Bellow Seal Globe Valve



HVAC



POTABLE WATER

V604

DILATATION EXPANSION JOINT



Product Features

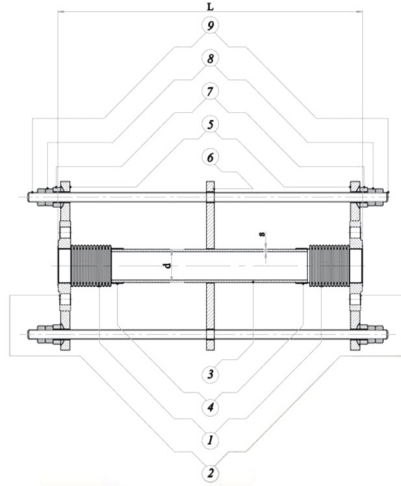
- Can absorb lateral movements in all axis
- With symmetrically positioned tie-rods, can absorb lateral and angular deviations simultaneously
- Prevents axial inconsistencies which increases the pipeline safety
- With its limit rods, the expansion range can be set in adjusted range
- Highly flexible
- High movement capacity and resistance high temperatures and chemicals
- Designed for high temperature usage
- Rotating flange, Fixed flange or Welding Neck connection type are available
- It consists SS bellows and accompanying flanges or welded pipes with or without inner liner

Material List :



* V604 Dilatation Expansion Joint with welding ends.

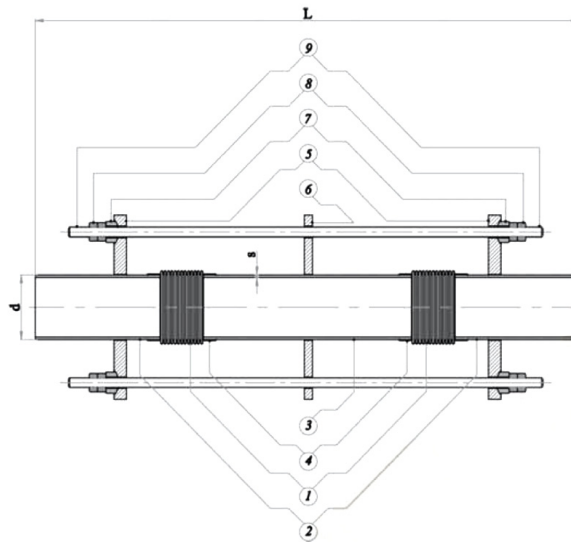
Flanged Type - Material List & Dimensions Table



Nominal Size		L (mm.)					d	s	Pressure (bar)
		Expansion Range (mm.)							
DN	Inch	X	Y: 25mm.	Y: 50mm.	Y: 75mm.	Y: 100mm.			
25	1"	30	260	360	460	560	33.7	3.2	16
32	1 1/4"	30	260	360	460	560	42.4	3.2	
40	1 1/2"	30	260	360	460	560	48.3	3.2	
50	2"	30	360	460	560	660	60.3	3.6	
65	2 1/2"	60	360	460	560	660	76.1	3.6	
80	3"	60	410	510	610	710	88.9	4	
100	4"	60	410	510	610	710	114.3	4.5	
125	5"	60	460	660	760	860	139.7	5	
150	6"	60	460	660	760	860	165	5	
200	8"	60	510	700	800	900	219.1	4.5	
250	10"	60	600	800	900	1000	273	5.6	

No	Part	Material
1	Bellow	AISI 304 / AISI316 - AISI321 (Optional)
2	Flange	St. 37 / AISI304 - AISI316 (Optional)
3	Body pipe	St. 37 / AISI304 - AISI316 (Optional)
4	Pipe support	AISI 304 / AISI316 (Optional)
5	Flange Lug	St. 37 / AISI304 - AISI316 (Optional)
6	Middle Flange Lug	St. 37 / AISI304 - AISI316 (Optional)
7	Ring	St. 37 / AISI304 - AISI316 (Optional)
8	Bolt	St. 37 / AISI304 - AISI316 (Optional)
9	Limit Rod	St. 37 / AISI304 - AISI316 (Optional)

Welded End- Material List & Dimensions Table



Nominal Size		L (mm.)					d	s	Pressure (bar)
		Expansion Range (mm.)							
DN	Inch	X	Y: 25mm.	Y: 50mm.	Y: 75mm.	Y: 100mm.			
25	1"	30	550	650	750	850	33.7	3.2	16
32	1 1/4"	30	550	650	750	850	42.4	3.2	
40	1 1/2"	30	550	650	750	850	48.3	3.2	
50	2"	30	620	720	820	920	60.3	3.6	
65	2 1/2"	60	620	720	820	920	76.1	3.6	
80	3"	60	670	770	870	970	88.9	4	
100	4"	60	670	770	870	1110	114.3	4.5	
125	5"	60	710	910	1010	1110	139.7	5	
150	6"	60	710	910	1010	1160	165	5	
200	8"	60	760	960	1050	1260	219.1	4.5	
250	10"	60	860	1060	1150	1000	273	5.6	

No	Part	Material
1	Bellow	AISI 304 / AISI316 - AISI321 (Optional)
2	Extension Pipe	St. 37 / AISI304 - AISI316 (Optional)
3	Body pipe	St. 37 / AISI304 - AISI316 (Optional)
4	Pipe support	AISI 304 / AISI316 (Optional)
5	Welding Pipe Lug	St. 37 / AISI304 - AISI316 (Optional)
6	Middle Flange Lug	St. 37 / AISI304 - AISI316 (Optional)
7	Ring	St. 37 / AISI304 - AISI316 (Optional)
8	Bolt	St. 37 / AISI304 - AISI316 (Optional)
9	Limit Rod	St. 37 / AISI304 - AISI316 (Optional)