



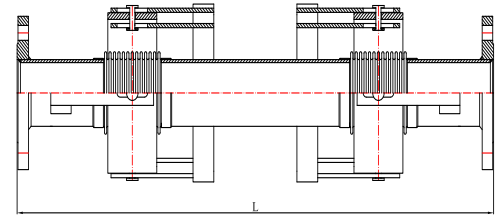
Bellows Material
**304ss-316ss
 321ss**

Balance of Materials
**Carbon
 Steel**

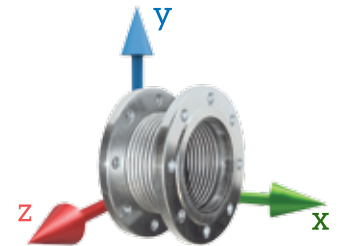
Design Pressure
16_{barg}

Design Temperature
400°C

Movements are non-concurrent



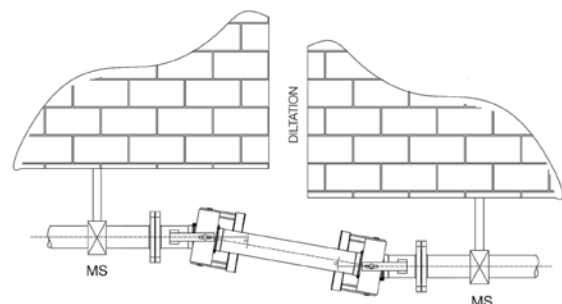
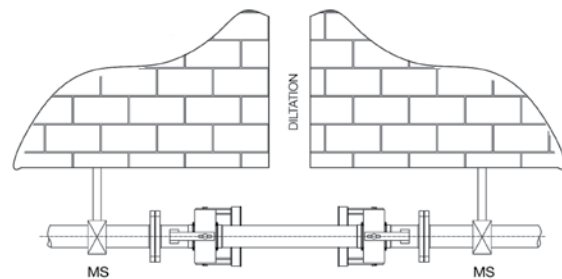
Nominal Diameter (DN)	Type 1 Movements (mm)				Length (L) (mm)	Type 2 Movements (mm)				Length (L) (mm)
	Axial x (+/-)	Lateral y (+/-)	Lateral z (+/-)			Axial x (+/-)	Lateral y (+/-)	Lateral z (+/-)		
32 1 1/4"	50	100	100		750	50	200	200		750
40 1 1/2"	50	100	100		790	50	200	200		790
50 2"	50	100	100		790	50	200	200		790
65 2 1/2"	50	100	100		940	50	200	200		940
80 3"	50	100	100		940	50	200	200		940
100 4"	50	100	100		940	50	200	200		990
125 5"	50	100	100		940	50	200	200		1090
150 6"	50	100	100		1100	50	200	200		1200
200 8"	50	100	100		1130	50	200	200		1330
250 10"	50	100	100		1130	50	200	200		1430



In addition to thermal movements in pipe lines, there are mechanical movements due to earthquakes, ground settlements and landslides. These type of movements can cause significant damage to the piping systems in dilatation points of buildings, pipe junctions between vessels and boilers.



These mechanical movements can be absorbed by using seismic expansion joints.



MS : Main Support

SEISMIC GIMBALS