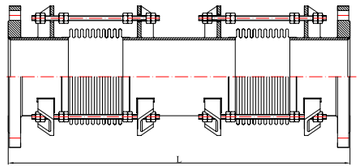
SEISMIC LIMIT ROD

Expansion Joints



DESIGN VALUES

DN	32 – 250
Bellows Material	304, 316, 321
Balance of Material	Carbon Steel, Stainless Steel
Design Pressure	16 barg
Design Temperature	400°C

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In addition to thermal movements in pipelines, there are mechanical movements due to earthquakes, ground settlements and landslides. These type of movements can cause significiant 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.



Advantages

» Seismic expansion joints with rods is to absorb lateral and axial movements of both thermal and seismic origin.
» With its limit rods, the expansion range can be set in adjusted range
» High movement capacity and resistance to high temperatures and chemicals
» Rotating flange, fixed flange or welding neck connection type are available

Applications

» Hot & Cold water pipelines
» Fire fighting systems
» Superheated water
» Steam and condensate pipelines
» Industrial Applications
» Marine & Exhaust systems
» HVAC lines

Nominal Diameter		Type 1			Type 2			Type 3		
		Movements (mm)		Length (L)	Movements (mm)		Length (L)	Movements (mm)		Length (L)
(DN)		Axial (+/-) (mm)	Lateral (+/-) (mm)	(mm)	Axial (+/-) (mm)	Lateral (+/-) (mm)	(mm)	Axial (+/-) (mm)	Lateral (+/-) (mm)	(mm)
32	1 1/4"	15	25	595	15	50	620	15	75	690
40	1 1/2"	15	25	620	15	50	650	15	75	720
50	2"	15	25	580	15	50	615	15	75	690
65	2 1/2"	15	25	620	15	50	660	15	75	735
		23	25	665	23	50	705	23	75	780
		30	25	710	30	50	750	30	75	825
80	3"	15	25	700	15	50	730	15	75	790
		23	25	750	23	50	780	23	75	835
		30	25	795	30	50	830	30	75	885
100	4"	15	25	750	15	50	790	15	75	825
		23	25	805	23	50	840	23	75	860
		30	25	860	30	50	895	30	75	915
125	5"	15	25	765	15	50	810	15	75	865
		23	25	810	23	50	875	23	75	910
		30	25	875	30	50	920	30	75	950
150	6"	15	25	840	15	50	890	15	75	945
		23	25	890	23	50	940	23	75	995
		30	25	940	30	50	985	30	75	1040
200	8"	15	25	885	15	50	960	15	75	1050
		23	25	935	23	50	1015	23	75	1100
		30	25	990	30	50	1065	30	75	1150
250	10"	15	25	885	15	50	930	15	75	1040
		23	25	930	23	50	985	23	75	1095
		30	25	985	30	50	1040	30	75	1150

Please consult with our technical department for different working conditions and design parameters.

Movements are non-concurrent

Subject to technical alterations.
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