



Burnovate Energy Systems Pvt. Ltd.

STEP Office, IIT Kharagpur
Kharagpur; West Medinipur, West Bengal - 721302

Thermal Expansion Joints Details- Stainless Steel(304,316 & 321)

Model	Nominal Pipe Size (mm)	Maximum Working Pressure (kPa)	Movements			Spring Rate(N/mm)	Pressure Thrust(kN)	Standard expansion compensation (mm)
			Axial(mm)	Lateral(mm)	Angular (Deg)			
BTEJS50	50	250-1500	18-32	7-12	18	21-70	1-6	The expansion joints are designed for a standard expansion. However, for more expansion compensation, multiple Thermal expansion joints can be added. Please consult us for any custom-made thermal expansion joints
BTEJS65	65	250-1500	22-36	7-12	18	19-102	2-9	
BTEJS80	80	250-1500	25-34	8-13	17-18	12-130	2-12	
BTEJS100	100	250-1500	27-36	7-13	14-18	47-169	3-19	
BTEJS125	125	250-1500	27-50	7-13	14-18	50-169	4-27	
BTEJS150	150	250-1500	26-50	6-15	14-18	50-330	6-39	
BTEJS200	200	250-1500	30-57	6-16	13-18	28-541	11-66	
BTEJS250	250	250-1500	44-64	8-17	13-18	27-289	17-102	
BTEJS300	300	250-1500	43-76	8-18	13-18	28-290	24-141	

Withstand Temperature for Thermal Expansion Joints lies in the range of -50°C to 600°C

Note: For larger size expansion joints used in heavy-sized pipelines and shell and tube heat exchangers, please contact us for custom-made thermal expansion joints.



+91 89420 56450



pavanis@burnovateenergy.com
info@burnovateenergy.com

Burnovate Energy Systems Private Limited

Thermal Expansion Joints Details- Inconel

Model	Nominal Pipe Size (mm)	Maximum Working Pressure (kPa)	Movements			Spring Rate(N/mm)	Pressure Thrust(kN)	Standard expansion compensation (mm)
			Axial(mm)	Lateral(mm)	Angular (Deg)			
BTEJI50	50	250-1500	18-32	7-12	18	21-70	1-6	The standard maximum expansion is designed for 60 mm. However, for more expansion compensation, multiple Thermal expansion joints can be added. Please consult us for any custom made thermal expansion joints
BTEJI65	65	250-1500	22-36	7-12	18	19-102	2-9	
BTEJI80	80	250-1500	25-34	8-13	17-18	12-130	2-12	
BTEJI100	100	250-1500	27-36	7-13	14-18	47-169	3-19	
BTEJI125	125	250-1500	27-50	7-13	14-18	50-169	4-27	
BTEJI150	150	250-1500	26-50	6-15	14-18	50-330	6-39	
BTEJI200	200	250-1500	30-57	6-16	13-18	28-541	11-66	
BTEJI250	250	250-1500	44-64	8-17	13-18	27-289	17-102	
BTEJI300	300	250-1500	43-76	8-18	13-18	28-290	24-141	

Withstand Temperature for Thermal Expansion Joints lies in the range of -50°C to 800°C

Note: For larger size expansion joints used in heavy-sized pipelines and shell and tube heat exchangers, please contact us for the custom-made thermal expansion joints



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