



Burnovate Energy Systems Pvt. Ltd.

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

Thermal Universal Expansion Joints Details- Stainless Steel

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)			
BTUEJS50	50	200	64	76	18	11	0.8	The standard median expansion is designed for 40 mm. However, for more expansion compensation, multiple Thermal expansion joints can be added. Please consult us for any custom made thermal expansion joints
BTUEJS65	65	200	64	76	18	10	1.4	
BTUEJS80	80	200	70	76	18	6	1.8	
BTUEJS100	100	200	72	76	18	24	2.8	
BTUEJS125	125	200	106	130	18	25	4.0	
BTUEJS150	150	200	106	120	18	21	5.6	
BTUEJS200	200	200	114	98	18	14	9.4	
BTUEJS250	250	200	112	98	18	14	14.8	
BTUEJS300	300	200	152	114	18	14	20	

Withstand Temperature for Thermal Universal 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 the custom-made thermal expansion joints.



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Thermal Universal 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	200	64	76	18	11	0.8	The standard median expansion is designed for 40 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	200	64	76	18	10	1.4	
BTEJI80	80	200	70	76	18	6	1.8	
BTEJI100	100	200	72	76	18	24	2.8	
BTEJI125	125	200	106	130	18	25	4.0	
BTEJI150	150	200	106	120	18	21	5.6	
BTEJI200	200	200	114	98	18	14	9.4	
BTEJI250	250	200	112	98	18	14	14.8	
BTEJI300	300	200	152	114	18	14	20	

Withstand Temperature for Thermal Universal 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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