

CEJ Custom Expansion Joints

ROUND METAL EXPANSION JOINT DATA SHEET

313 N. Stewart Rd., Liberty, MO 64068 (816) 781-3507 Fax (816) 781-3520

Customer's Name			Date		Page		of		
Mailing Address			Project Name						
City, State, Zip Code			*Quote Req'd by:			Quote No.			
Phone No.		Fax No.			Delivery Req'd by:				
Prepared By:			Item/Tag No.		Item/Tag No.		Item/Tag No.		
TESTING REQUIRED (Yes/No)			Qty.		Qty.		Qty.		
PLANT TYPE (Coal, Oil, Gas, Hydro, Incineration, Etc.)									
LOCATION OF EXPANSION JOINT (Fan, Boiler, Scrubber, Precipitator, Stack, Etc.)									
FLOW DIRECTION (Up, Down, Horizontal, Angular Up, Angular Down)									
FLOW MEDIA/ENVIRONMENT									
FLOW VELOCITY (Feet/Sec.)									
NOMINAL DIAMETER I.D. (Inches/Installed Length)									
STYLE OF EXPANSION JOINT (Single, Externally Pressurized, Tied Universal, Gimbal, etc.)									
<small>Type of Ends on Joint BB Banded Bellows WW Weld Ends FF Flange Ends VV Van Stone Flanges FW Flange Weld Ends VW Vjn Stone Weld Ends</small>	ENDS		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	
	THICKNESS/FLANGE RATING								
	MATERIAL SPEC.								
WELD END PREPARATION Bevel/Angle or Square Cut									
Temperature Degrees Fahrenheit	System Design Temperature								
	Maximum Operating Temperature								
	Lowest Temperature Joint Will See								
Pressure PSIG	Installation Temperature			°F	°F	°F	°F	°F	
	Design External or Internal			°F	°F	°F	°F	°F	
	Operating								
Maximum Test	Maximum Test								
BELLOWS MATERIAL									
CYCLING DATA MOVEMENT CONDITIONS AND ALLOWABLE BELLOWS SPRING FORCES	Installation Misalignment 1 cycle	CYCLES		1	1	1			
		AXIAL mvmt	in.	in.	in.				
		LATERAL mvmt	in.	in.	in.				
	ANGULAR mvmt	deg.	deg.	deg.					
	Total System Start-Up Cycles	CYCLES							
		AXIAL mvmt./force	in./lbs.	in./lbs.	in./lbs.	in./lbs.	in./lbs.	in./lbs.	
		LATERAL mvmt	in./lbs.	in./lbs.	in./lbs.	in./lbs.	in./lbs.	in./lbs.	
	ANGULAR mvmt	in./lbs.	in./lbs.	in./lbs.	in./lbs.	in./lbs.	in./lbs.	in./lbs.	
	Operating Fluctuation Cycles	CYCLES							
		AXIAL mvmt	in.	in.	in.	in.	in.	in.	
		LATERAL mvmt	in.	in.	in.	in.	in.	in.	
		ANGULAR mvmt	deg.	deg.	deg.	deg.	deg.	deg.	
VIBRATION Frequency/Amplitude			F	A	F	A	F	A	
OVERALL LENGTH Maximum or Required									
Optional Accessories	INTERNAL FLOW LINER (Specify Material)								
	COVER (Specify Material)								
	CONTROL RODS								

*Please allow adequate time to prepare customer inquiry quotation.

Form #897