MASON INDUSTRIES, Inc. MERCER RUBBER Co. 350 Rabro Drive, Hauppauge, NY 11788 Mason- 631/348-0282 • Info@Mason-Ind.com Mercer- 631/582-1524 • Info@Mercer-Rubber.com FAX 631/348-0279	JOB NAME CUSTOMER CUSTOMER P.O DWG No DWG No DWG No CEFL50 S0 psi SS BELLOWS EXPANSION JOINT with CARBON STEEL FIXED and FLOATING FLANGES
	End       Image: Construction of the second se
CARBON STEEL FLOATING FLANGE CONTROL RODS 150 lb ASA □ Yes □ No Drilling GAP SETTING (Equal to axial extension for anchored systems or zero for unanchored systems) COMPRESSION NUT SLEEVES □ Yes □ No	Guides and Anchors for Joint located near Anchor Moving End Guide Spacing 14D Fixed End Locate Anchor as close as practical, but not exceeding 4D Close Anchor thermal variation over length shown
FLANGE BOLTS and NUTS REQUIREMENT           EFL50         Quantity         Size & per End         CARBON STEEL PLATE FLANGES           4         16         5/8 x 31/4         Flange           5 & 6         16         3/4 x 31/2         Flange           8         16         3/4 x 41/4         Flange           10 & 12         24         7/8 x 41/4         4         100         5/8 16           14         24         1 x 41/2         5         5         thru 16         200 thru 406         1         25	T Remote Anchor Expansion Joint Movement based on thermal variation over length shown
Type Pipe Face to Spring	Units) 2" (50mm) COMBINED AXIAL MOVEMENT, 1/4" (6mm) LATERAL DEFLECTION Lateral Thrust <sup>®</sup> Rated Spring 50 3 Pressure Ship Poto Dei ka/cm <sup>2</sup> @ 2019C Wit

Type &	Pipe Size	Face to Face	Spring Rate	Spring Rate	50 psi	3 kg/cm²	Pressure @70°F @21°C	Ship Wt.
Size	(i <b>n</b> ) <i>(mm)</i>	(in) <i>(mm)</i>	(lbs/in) (kg/cm)	(lbs/in) (kg/cm)	(lbs)	(kg)	(psi) ( <i>kg/cm</i> ²)	(lbs) <i>(kg)</i>
EFL50-4 EFL50-5 EFL50-6 EFL50-8	4 100 5 125 6 150 8 200	21 533 141/4 362 151/4 387 151/2 394	6401156401158901591130202	85015285015214002503700661	1400 1400 1900 3200	635 635 862 1451	50       3         50       3         50       3         50       3	<ul> <li>33 15</li> <li>35 16</li> <li>43 20</li> <li>78 35</li> </ul>
EFL50-10 EFL50-12 EFL50-14 EFL50-16	10250123001435016400	153/4400173/4451181/247019483	1250         223           1360         243           1410         252           1810         323	640011437790139194501688181603243	4800 6600 8800 11300	2177 2994 3992 5126	50       3         50       3         50       3         50       3	100451406418182226103

EFL may be used for 2" Expansion or 2" Compression from neutral length or any combined 2" from neutral. i.e. (+ 11/2, -1/2) (+ 1, -1) (+ 1/4, -13/4) etc. Total movement should never exceed 2".

Lower Thrust Forces in proportion at lower pressures, i.e. 20 psi Force = 20/50 x published Thrust. Anchors must resist Thrust Force plus Spring Force. Spring Force is determined by multiplying the joint Spring Rate by its Thermal Movement (in/mm).

EFL's installed in piping systems must be anchored on both sides of the joint. EFL's installed in unanchored piping must have control rods. When using EFL products in copper or brass water or steam systems, dielectric flanges must be used on each end to prevent leakage from galvanic action.

	QTY	SIZE	TAG	(	<b>Υ</b> ΤΩ	SIZE		TAG
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Certification Form S-554 10/2023 DWN			3 DWN	СНКД	DA	TE	DWG No.	