



MASON INDUSTRIES, Inc.

MERCER RUBBER Co.

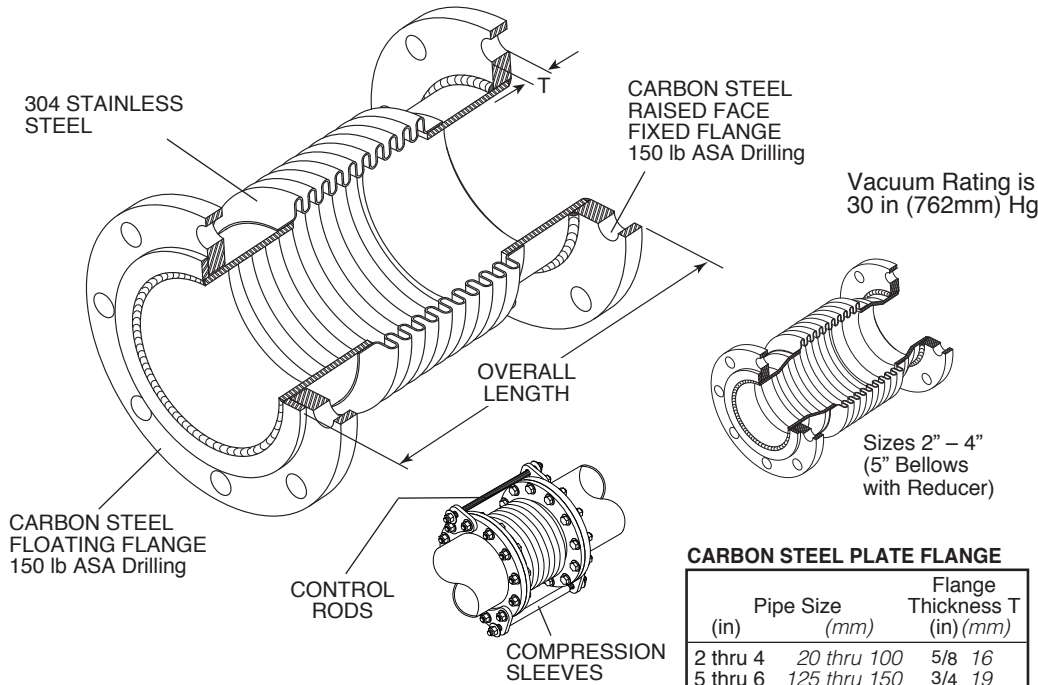
350 Rabro Drive, Hauppauge, NY 11788
 Mason- 631/348-0282 • Info@Mason-Ind.com
 Mercer- 631/582-1524 • Info@Mercer-Rubber.com
 FAX 631/348-0279



JOB NAME _____
 CUSTOMER _____
 CUSTOMER P.O. _____
 MASON M. _____
 DWG No. _____

EJFFL50

**BELLOWS
 EXPANSION
 JOINT WITH FIXED
 and FLOATING
 FLANGES**



PRESSURE REDUCTION TABLE ON 304 STAINLESS STEEL

Temperature (°F)	Temperature (°C)	Rated Pressure (psi)(kg/cm ²)	
200	93	46	3.2
250	121	44	3.1
300	149	43	3.0
400	204	39	2.7
500	260	39	2.7
600	316	38	2.7
700	371	37	2.6
800	427	37	2.6
900	482	34	2.4
1000	538	30	2.1
1100	593	29	2.0
1200	649	27	1.9
1300	704	22	1.5
1400	760	18	1.3
1500	816	13	0.9

FLANGE BOLT and NUT REQUIREMENT (by Others)

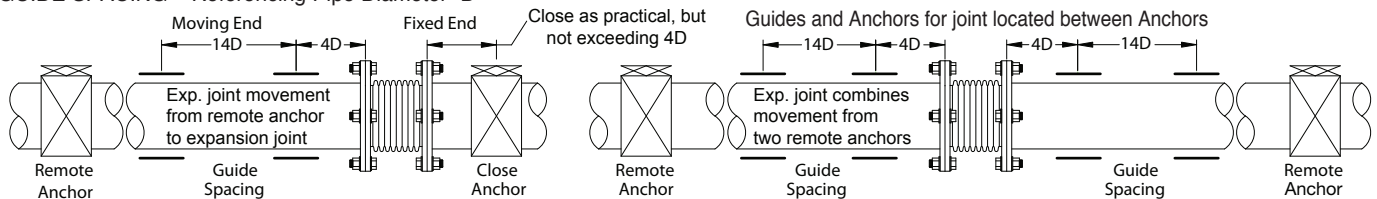
EJFFL50 Size	Quantity	Size & Length
2 & 2 1/2	8	5/8 x 3
3	8	5/8 x 3 1/4
4	16	5/8 x 3 1/4
5 & 6	16	3/4 x 3 1/2
8	16	3/4 x 4
10 & 12	24	7/8 x 4 1/4
14 & 16	24	1 x 4 1/2

EJFFL50 DIMENSIONS AND PRESSURE RATINGS 2" (50mm) AXIAL MOVEMENT, 1/4" (6mm) LATERAL DEFLECTION

Type & Size	Pipe Size (in) (mm)	Overall Length (in) (mm)	Axial Spring Rate (lbs/in) (kg/cm)		Lateral Spring Rate (lbs/in) (kg/cm)		Thrust ¹ @ 50 psi (lbs) (kg/cm ²)		Rated Pressure @70°F @21°C (psi) (kg/cm ²)		Ship Wt. (lbs) (kg)			
EJFFL50-2	2	51	21	533	638	114	849	152	1414	641	50	3	11	5
EJFFL50-2 1/2	2 1/2	64	21	533	638	114	849	152	1414	641	50	3	11	5
EJFFL50-3	3	76	21	533	638	114	849	152	1414	641	50	3	12	5
EJFFL50-4	4	100	21	533	638	114	849	152	1414	641	50	3	12	5
EJFFL50-5	5	125	14 1/4	362	638	114	849	152	1414	641	50	3	15	7
EJFFL50-6	6	150	15 1/4	387	883	158	1396	249	1924	873	50	3	19	9
EJFFL50-8	8	200	15 1/2	394	1123	201	3659	653	3181	1443	50	3	35	16
EJFFL50-10	10	250	15 3/4	400	1065	190	6407	1144	4752	2155	50	3	45	20
EJFFL50-12	12	305	17 3/4	451	1356	242	7786	1390	6637	3010	50	3	63	29
EJFFL50-14	14	356	18 1/2	470	1414	253	9451	1688	8836	4008	50	3	81	37
EJFFL50-16	16	406	19	483	1813	324	18155	3242	11349	5148	50	3	104	46

¹Lower Thrust Forces in proportion at lower pressures, i.e. 100 psi Force = 100/225 x published Thrust. Forces on Pipe Anchors must include Thrust Force and Spring Force. Spring Force is determined by multiplying the joint Spring Rate by its Thermal Movement. (in/mm) EJ's installed in piping systems must be anchored on both sides of the joint. EJ's installed in unanchored piping must have control rods. When using EJFFL products in copper or brass water or steam systems, dielectric flanges must be used on each end to prevent leakage from galvanic action.

GUIDE SPACING – Referencing Pipe Diameter "D"



*Plus an additional 5" (125mm) for Sizes 2 & 2 1/2

QTY	SIZE	TAG

QTY	SIZE	TAG