



MASON INDUSTRIES, Inc.

MERCER RUBBER Co.

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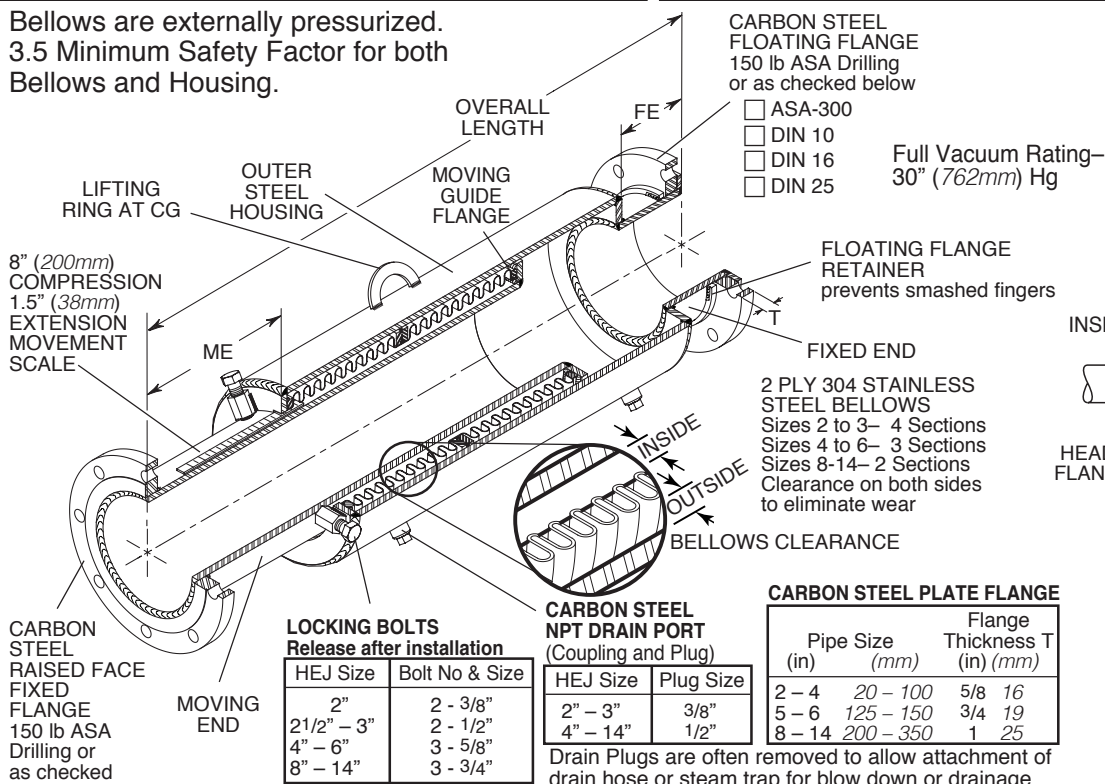


JOB NAME _____
 CUSTOMER _____
 CUSTOMER P.O. _____
 MASON M. _____
 DWG No. _____

HEJFFL8

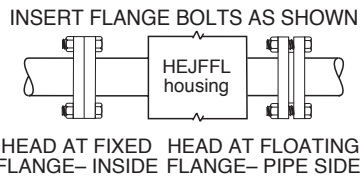
8" (200mm) Movement
**HOUSED
 EXPANSION JOINT
 with CARBON STEEL
 FIXED and FLOATING
 FLANGES**

Bellows are externally pressurized.
 3.5 Minimum Safety Factor for both
 Bellows and Housing.



FLANGE BOLT and NUT REQUIREMENT (by Others)

HEJFFL8 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	24	7/8 x 4 1/4
12	24	7/8 x 4 1/4
14	24	1 x 4 1/2



PRESSURE REDUCTION TABLE

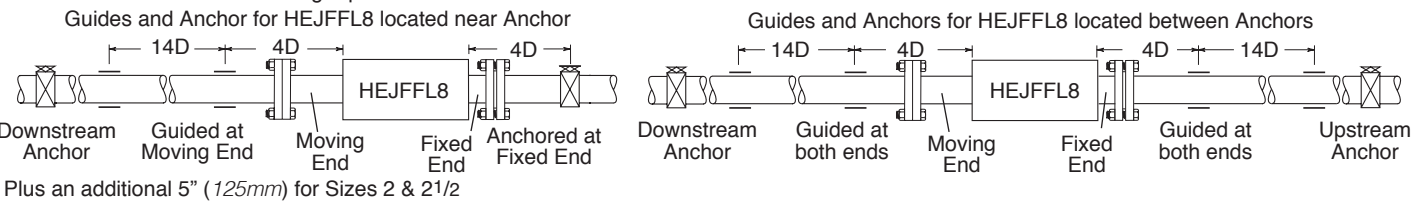
Temperature (°F) (°C)	Rated Pressure (psi) (kg/cm²)
200 93	205 14.4
250 121	198 13.9
300 149	191 13.4
400 204	176 12.4
500 260	173 12.2
600 316	171 12.0
700 371	167 11.7
800 427	Not Recommended

HEJFFL8 DIMENSIONS AND PRESSURE RATINGS (American & Metric Units) 8" (200mm) COMPRESSION, 1.5" (38mm) EXTENSION

Type & Size	Pipe Size (in) (mm)	Overall Length (in) (mm)		ME Moving End Neutral Length (in) (mm)		FE Fixed End Length (in) (mm)		Outer Housing O.D. (in) (mm)	Nominal Bellows Clearance (in) (mm)		Spring Rate (lbs/in) (kg/cm)	Thrust @ 225 psi (15.5 bar) (lbs) (kg)		Rated Pressure @ 70°F (21°C) (psi) (kg/cm²)	Ship Wt. (lbs) (kg)						
		(in) (mm)	(in) (mm)	(in) (mm)	(in) (mm)	(in) (mm)	(in) (mm)		(in) (mm)	(in) (mm)		(in) (mm)	(in) (mm)								
HEJFFL8-2	2 50	43	1092	107/8	276	31/8	79	59/16	141	0.39	10	0.39	10	83	15	2500	1134	225	16	95	43
HEJFFL8-2 1/2	2 1/2 65	43	1092	107/8	276	31/8	79	59/16	141	0.25	6	0.25	6	118	21	2700	1225	225	16	112	51
HEJFFL8-3	3 80	43	1092	107/8	276	31/8	79	65/8	168	0.32	8	0.33	8	120	22	3900	1769	225	16	136	62
HEJFFL8-4	4 100	43	1092	107/8	276	31/8	79	85/8	219	0.49	12	0.35	9	150	27	6900	3130	225	16	190	77
HEJFFL8-5	5 125	47	1194	127/8	327	41/8	105	95/8	244	0.39	10	0.41	10	200	36	9500	4309	225	16	200	91
HEJFFL8-6	6 150	47	1194	127/8	327	41/8	105	103/4	273	0.39	10	0.39	10	250	45	12600	5715	225	16	325	125
HEJFFL8-8	8 200	47	1194	127/8	327	41/8	105	123/4	384	0.39	10	0.39	10	300	54	19000	8618	225	16	370	145
HEJFFL8-10	10 250	47	1194	127/8	327	41/8	105	16	406	0.53	13	0.53	13	400	72	30000	13608	225	16	510	231
HEJFFL8-12	12 300	47	1194	127/8	327	41/8	105	18	457	0.42	11	0.41	10	588	105	40000	18144	225	16	650	295
HEJFFL8-14	14 350	50	1270	127/8	327	41/8	105	20	508	0.43	11	0.42	11	700	125	64000	29030	225	16	770	349

Lower 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)
 HEJ's installed in piping systems must be anchored on both sides of the joint. HEJ's installed in unanchored piping must have control rods.
 When using HEJFFL 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"



QTY	SIZE	TAG	QTY	SIZE	TAG