



MASON INDUSTRIES, Inc.

MERCER RUBBER Co.

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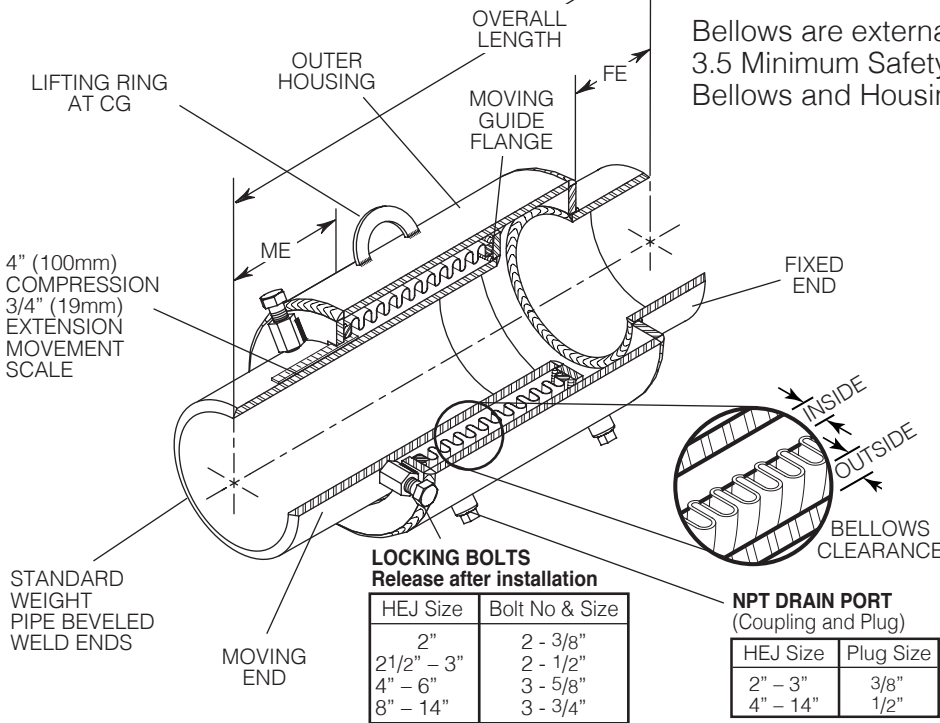


JOB NAME _____
 CUSTOMER _____
 CUSTOMER P.O. _____
 MASON M. _____
 DWG No. _____

HEJW4-SS-NSF

4" (100mm) Movement
SS HOUSED
EXPANSION
JOINT with
WELD ENDS

ALL COMPONENTS STAINLESS STEEL



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



CLASSIFIED
UL
US
WATER QUALITY
 DRINKING WATER
 SYSTEM COMPONENT
 ANNEX G of ANSI / NSF 61
 (4RV6)

2 PLY BELLOWS
 Sizes 2 to 6- 2 Sections
 Sizes 8 to 14- 1 Section
 Clearance on both sides
 to eliminate wear

Conforms to UL and ANSI/NSF 61
 Approved Temperature Range.

Full Vacuum Rating- 30" (762mm) Hg

Drain Plugs are often removed to allow
 attachment of drain hose for blow down
 or drainage.

HEJW4-SS-NSF DIMENSIONS AND PRESSURE RATINGS (American & Metric Units) 4" (100mm) COMPRESSION, 3/4" (19mm) EXTENSION

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		Spring Rate (lbs in) (kg cm)	Thrust@ 200 13.8 psi bar (lbs) (kg)	Rated Pressure @70°F @21°C (psi) (kg/cm²)	Ship Wt. (lbs) (kg)
	(in)	(mm)	(in)	(mm)	(in)	(mm)		Inside (in) (mm)	Outside (in) (mm)				
2	50	22	559	51/2 140	11/2 38	59/16 141	0.39 10	0.39 10	165 30	2500	1134	225 15	50 23
2 1/2	65	22	559	51/2 140	11/2 38	59/16 141	0.25 6	0.25 6	235 42	2700	1225	225 15	51 23
3	80	22	559	51/2 140	11/2 38	65/8 168	0.32 8	0.33 8	240 43	3900	1769	225 15	68 29
4	100	22	559	51/2 140	11/2 38	85/8 219	0.49 12	0.35 9	300 54	6900	3130	225 15	99 41
5	125	24 1/2	622	6 152	2 1/2 64	95/8 244	0.39 10	0.41 10	400 72	9500	4309	225 15	100 45
6	150	24 1/2	622	6 152	2 1/2 64	103/4 273	0.39 10	0.39 10	500 90	12600	5715	225 15	155 69
8	200	24 1/2	622	6 152	2 1/2 64	123/4 324	0.39 10	0.39 10	600 107	19000	8618	225 15	170 82
10	250	24 1/2	622	6 152	2 1/2 64	16 406	0.53 13	0.53 13	800 143	30000	13608	225 15	295 122
12	300	24 1/2	622	6 152	2 1/2 64	18 457	0.42 11	0.41 10	1175 210	40000	18144	225 15	338 139
14	350	26	660	6 152	2 1/2 64	20 508	0.43 11	0.42 11	1400 250	64000	29030	225 15	440 181

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)

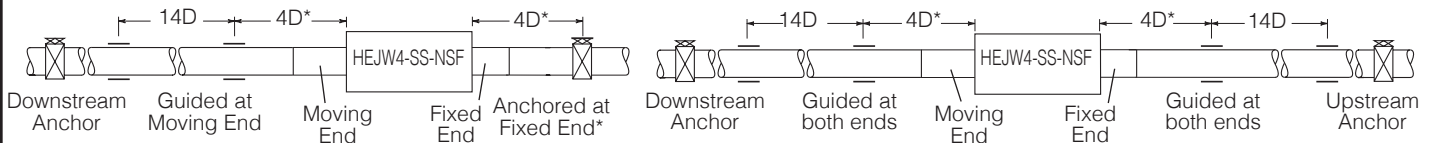
HEJ's installed in piping systems must be anchored on both sides of the joint. HEJ's installed in unanchored piping must have control rods.

When using HEJW4-SS-NSF products in copper or brass water systems, dielectric unions must be used on each end to prevent leakage from galvanic action.

GUIDE SPACING - Referencing Pipe Diameter "D"

Guides and Anchor for HEJ located near Anchor

Guides and Anchors for HEJ located between Anchors



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

QTY	SIZE	TAG

QTY	SIZE	TAG