



MASON INDUSTRIES, Inc.

MERCER RUBBER Co.

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

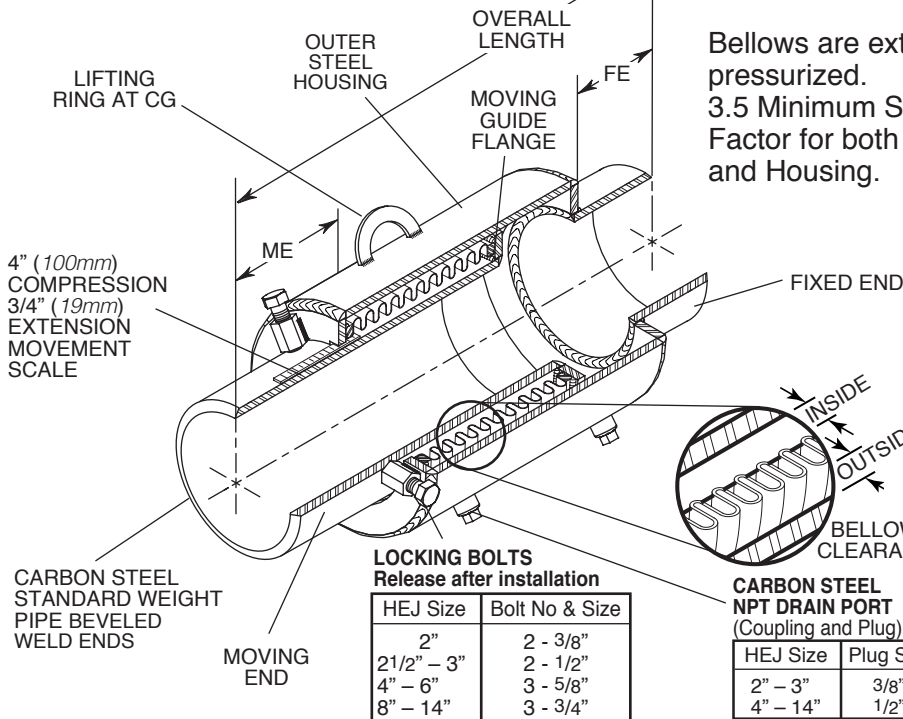
HEJW4

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

PRESSURE REDUCTION TABLE

Table with 2 columns: Temperature (°F) and Rated Pressure (psi). Rows include 200, 250, 300, 400, 500, 600, 700, and 800 degrees Fahrenheit.

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



2 PLY 304 STAINLESS STEEL BELLOWS
Sizes 2 to 6- 2 Sections
Sizes 8 to 14- 1 Section
Clearance on both sides to eliminate wear

Full Vacuum Rating- 30" (762mm) Hg

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

LOCKING BOLTS
Release after installation

Table mapping HEJ Size to Bolt No & Size. HEJ sizes range from 2" to 8"-14".

CARBON STEEL NPT DRAIN PORT
(Coupling and Plug)

Table mapping HEJ Size to Plug Size. HEJ sizes range from 2"-3" to 4"-14".

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

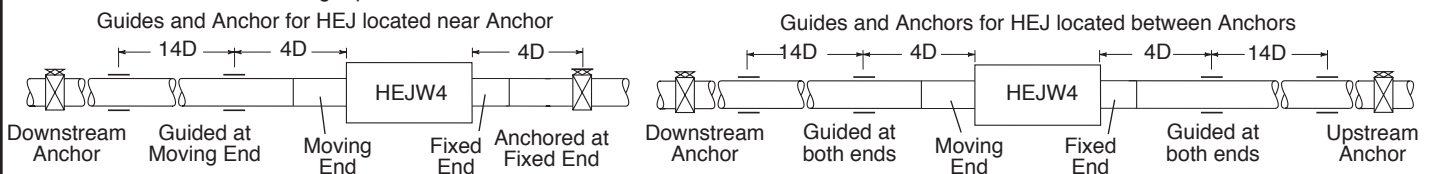
Large table with 12 columns: Type & Size, Pipe Size, Overall Length, ME Neutral Length, FE Length, Outer Housing O.D., Nominal Bellows Clearance (Inside/Outside), Spring Rate, Thrust @ 225 psi and 15.5 bar, Rated Pressure @ 70°F and 21°C, Ship Wt. (lbs/kg).

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 HEJW products in copper or brass water or steam systems, dielectric unions 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

Table with 3 columns: QTY, SIZE, TAG

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