



MASON INDUSTRIES, Inc.

MERCER RUBBER Co.

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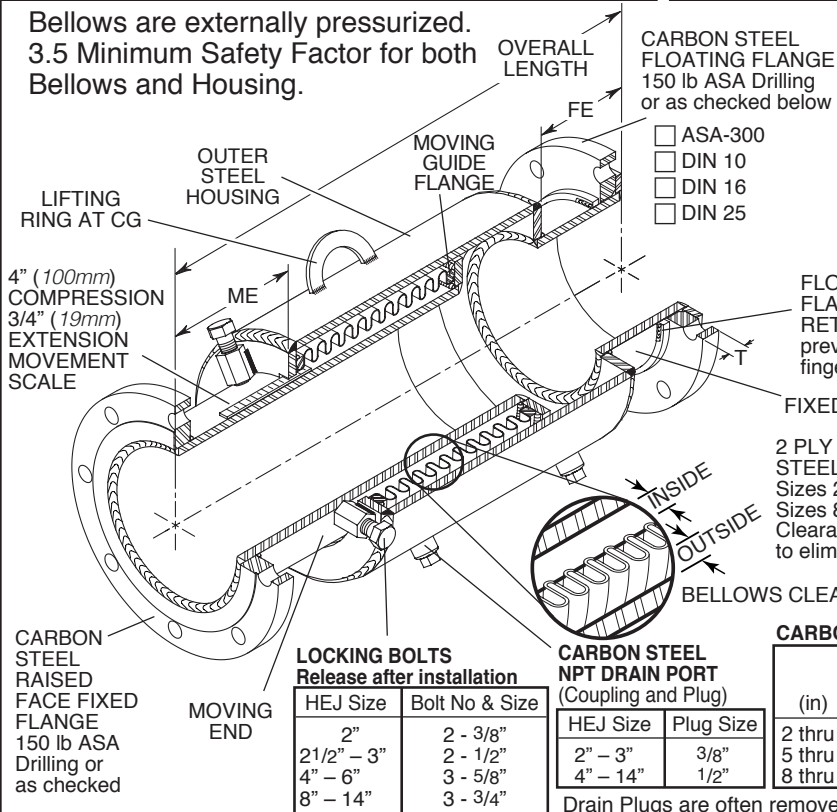


JOB NAME
CUSTOMER
CUSTOMER P.O.
MASON M.
DWG No.

HEJFFL4

4" (100mm) Movement
HOUSED
EXPANSION JOINT
with FIXED and
FLOATING FLANGES

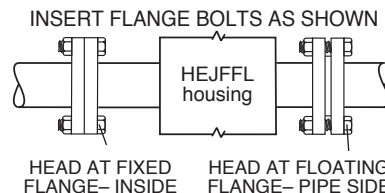
Bellows are externally pressurized.
3.5 Minimum Safety Factor for both
Bellows and Housing.



FLANGE BOLT and NUT REQUIREMENT (by Others)

Table with columns: HEJFFL4 Size, Quantity, Size & Length. Lists requirements for sizes 2, 3, 4, 5 & 6, 8, 10, 12, 14.

Full Vacuum Rating-
30" (762mm) Hg



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

PRESSURE REDUCTION TABLE

Table with columns: Temperature (°F/°C), Rated Pressure (psi/kg/cm²). Shows pressure reduction for temperatures from 200°F to 800°F.

CARBON STEEL PLATE FLANGE

Table with columns: Pipe Size (in/mm), Flange Thickness T (in/mm). Lists thickness requirements for pipe sizes from 2 to 14 inches.

Table with columns: HEJ Size, Bolt No & Size. Lists locking bolt specifications for HEJ sizes from 2 to 14 inches.

Table with columns: HEJ Size, Plug Size. Lists NPT drain port plug sizes for HEJ sizes from 2 to 14 inches.

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

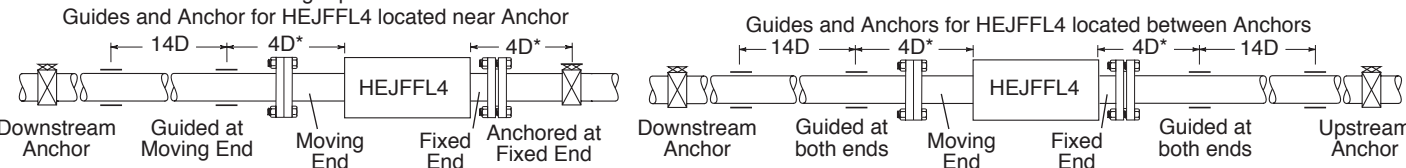
HEJFFL4 DIMENSIONS AND PRESSURE RATINGS (American & Metric Units) 4" (100mm) COMPRESSION, 3/4" (19mm) EXTENSION

Large table with columns: Type & Size, Pipe Size, Overall Length, ME, FE, Outer Housing O.D., Nominal Bellows Clearance, Spring Rate, Thrust, Rated Pressure, Ship Wt. Lists dimensions and ratings for various HEJFFL4 sizes.

*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.

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 HEJFFL4 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

Bottom section containing two empty tables for QTY, SIZE, TAG and Certification Form S-544 02/2013 with fields for DWN, CHKD, DATE, and DWG No.