



MASON INDUSTRIES, Inc.

MERCER RUBBER Co.

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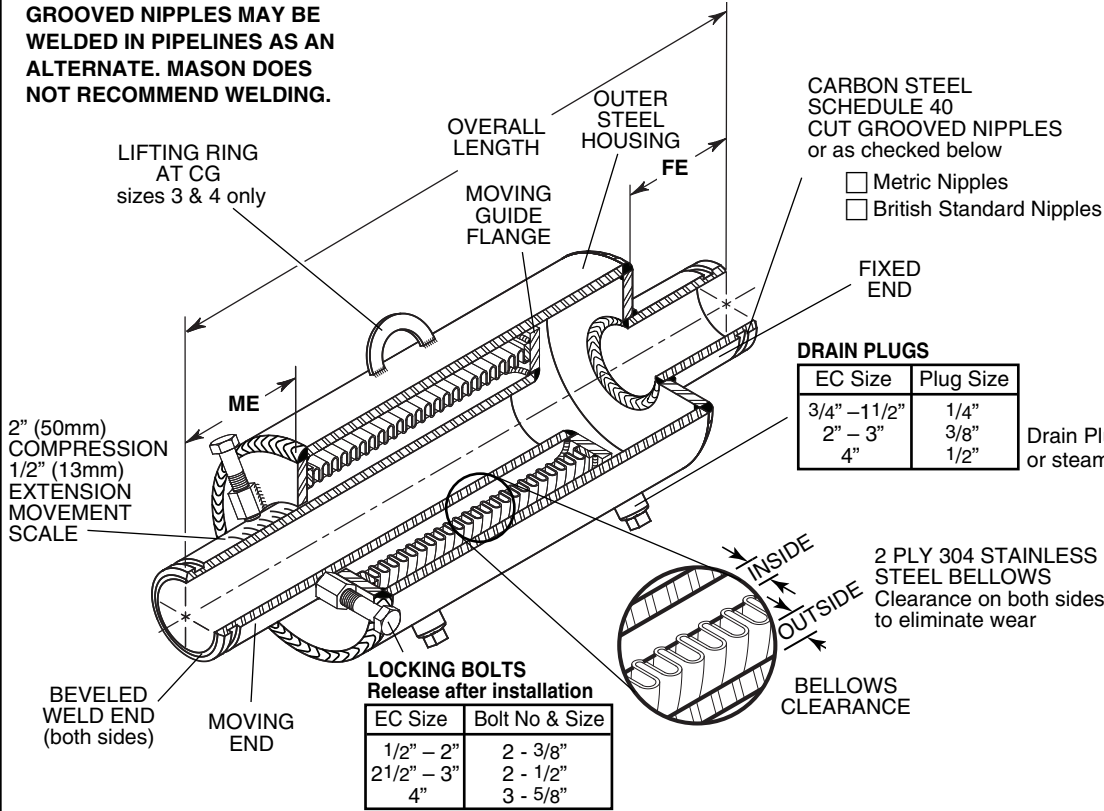


JOB NAME
CUSTOMER
CUSTOMER P.O.
MASON M.
DWG No.

ECWGN

2" (50mm) Movement
EXPANSION COMPENSATOR
WELD END GROOVED NIPPLES

GROOVED NIPPLES MAY BE WELDED IN PIPELINES AS AN ALTERNATE. MASON DOES NOT RECOMMEND WELDING.



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

CARBON STEEL SCHEDULE 40 CUT GROOVED NIPPLES or as checked below
Metric Nipples
British Standard Nipples

Table with 2 columns: EC Size, Plug Size. Rows include 3/4"-1 1/2", 2"-3", 4" and corresponding plug sizes.

Drain Plugs are often attached to drain or steam trap for blow down or drainage.

PRESSURE REDUCTION TABLE

Table with 3 columns: Temperature (°F/°C), Rated Pressure (psi/kg/cm²). Rows show pressure ratings for temperatures from 200 to 800.

2 PLY 304 STAINLESS STEEL BELLOWS
Clearance on both sides to eliminate wear

Table with 2 columns: EC Size, Bolt No & Size. Rows include 1/2"-2", 2 1/2"-3", 4" and corresponding bolt specifications.

ECWGN DIMENSIONS AND PRESSURE RATINGS (British & Metric Units) 2" (50mm) COMPRESSION, 1/2" (13mm) EXTENSION

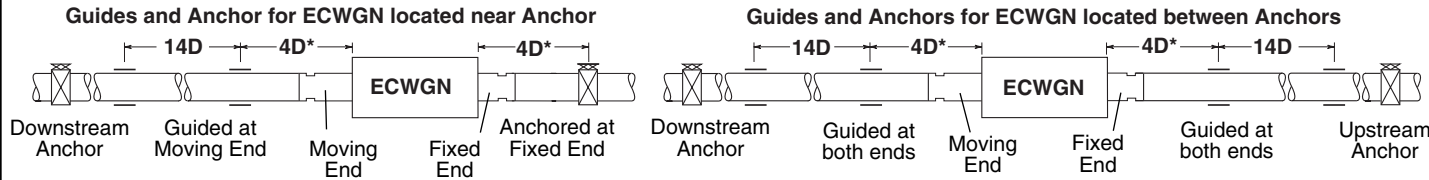
Main data table with columns for Type & Size, Pipe Size, Overall Length, ME, FE, Outer Housing O.D., Nominal Bellows Clearance, Spring Rate, Thrust, and Rated Pressure.

Lower Thrust Forces in proportion at lower pressures, i.e. 100 psi Force = 100/200 x published Thrust. Forces on Pipe Anchors must include Thrust Force and Spring Force.

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

When using ECWGN 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 3" (76mm) for Sizes 3/4" to 2 1/2"

Table with 3 columns: QTY, SIZE, TAG

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