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MERCER RUBBER Co.
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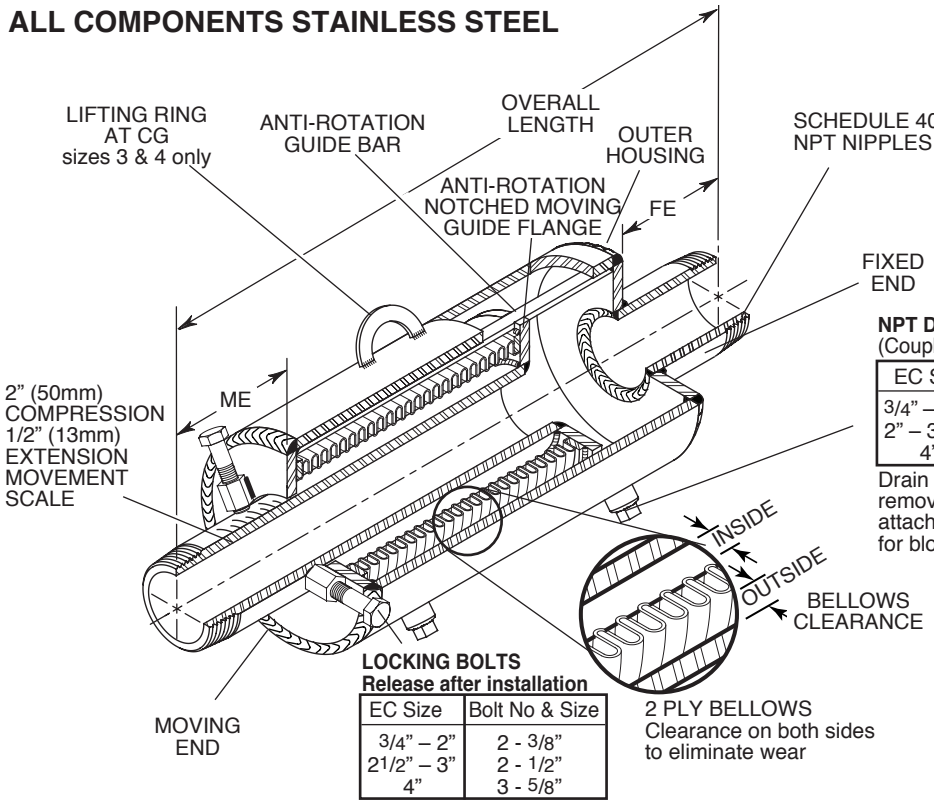
Mercer- 631/582-1524 • Info@Mercer-Rubber.com
FAX 631/348-0279

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

ECMN-SS-NSF

2" (50mm) Movement SS EXPANSION COMPENSATORS with THREADED NIPPLES

ALL COMPONENTS STAINLESS STEEL



LOCKING BOLTS
Release after installation

EC Size	Bolt No & Size
3/4" – 2"	2 - 3/8"
2 1/2" – 3"	2 - 1/2"
4"	3 - 5/8"

2 PLY BELLOWS
Clearance on both sides to eliminate wear

NPT DRAIN PORT
(Coupling and Plug)

EC Size	Plug Size
3/4" –1 1/2"	1/4"
2" – 3"	3/8"
4"	1/2"

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

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

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

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

Full Vacuum Rating– 30" (*762mm*) Hg

ECMN-SS-NSF DIMENSIONS AND PRESSURE RATINGS (American & Metric Units) 2" (50mm) COMPRESSION, 1/2" (13mm) 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 Inside (in)	*(mm)*	Outside (in)	*(mm)*	Spring Rate (lbs/in)	*(kg/cm)*	Thrust @ 200 psi (lbs)	*13.8 bar (kg)*	Rated Pressure @70°F (psi)	@21°C *(kg/cm²)*	Ship Wt. (lbs)	*(kg)*
3/4	*20*	12 1/2	*318*	3 3/4	*95*	1 5/8	*41*	2 7/8	*73*	0.10	*3*	0.43	*11*	89	*16*	350	*159*	200	*14*	7	*3*
1	*25*	12 1/2	*318*	3 3/4	*95*	1 5/8	*41*	3 1/2	*89*	0.13	*3*	0.55	*14*	95	*17*	500	*227*	200	*14*	9	*4*
1 1/4	*32*	13	*330*	4	*102*	1 7/8	*48*	4	*102*	0.15	*4*	0.47	*12*	103	*18*	800	*363*	200	*14*	10	*5*
1 1/2	*40*	13	*330*	4	*102*	1 7/8	*48*	4 1/2	*114*	0.17	*4*	0.46	*12*	106	*19*	1100	*499*	200	*14*	13	*6*
2	*50*	13 1/2	*343*	4 1/8	*105*	2 1/8	*54*	5 1/4	*133*	0.17	*4*	0.52	*13*	110	*20*	1600	*726*	200	*14*	17	*8*
2 1/2	*65*	14 1/4	*362*	4 3/8	*111*	2 1/4	*57*	6 1/4	*159*	0.24	*6*	0.53	*14*	126	*23*	2400	*1089*	200	*14*	24	*11*
3	*80*	14 3/4	*375*	4 1/2	*114*	2 1/2	*64*	6 5/8	*168*	0.32	*8*	0.37	*9*	140	*25*	3500	*1588*	200	*14*	33	*15*
4	*100*	14 3/4	*375*	4 1/2	*114*	2 1/2	*64*	8 5/8	*219*	0.33	*8*	0.81	*21*	150	*27*	5200	*2359*	200	*14*	50	*23*

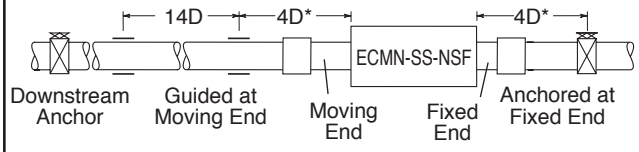
Lower Thrust Forces in proportion at lower pressures, i.e. 100 psi Force = 100/200 x published Thrust. Forces on Pipe Anchors must include Thrust Force and Spring Force. Spring Force is determined by multiplying the joint Spring Rate by its Thermal Movement. (in/mm)

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.

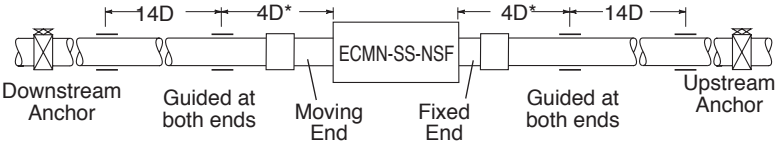
When using ECMN-SS-NSF products in copper or brass water systems, dielectric unions must be used on each end to prevent leakage from galvanic action.

GUIDE SPACING – Referencing Pipe Diameter "D"

Guides and Anchor for ECMN-SS-NSF located near Anchor



Guides and Anchors for ECMN-SS-NSF located between Anchors



*Plus an additional 3" (*76mm*) for Sizes 3/4" to 2 1/2"

QTY	SIZE	TAG

QTY	SIZE	TAG

Certification Form S-5041 07/2013	DWN	CHKD	DATE	DWG No.