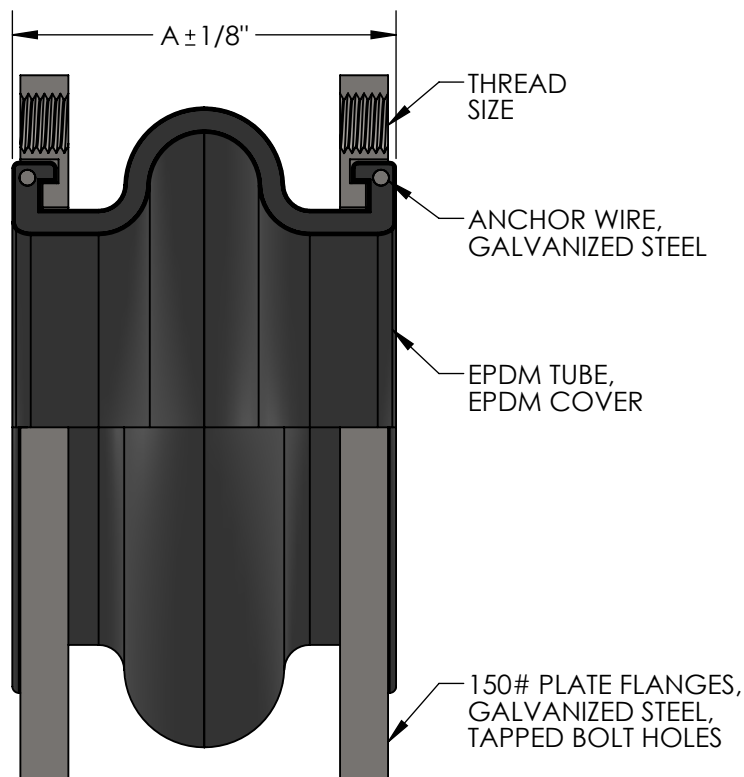


# **MODEL MSREE, STYLE "R" METRASPHERE** **EPDM EXPANSION JOINT, TAPPED BOLT HOLES**



## **MAXIMUM OPERATING CONDITIONS**

TEMPERATURE	PRESSURE (PSI)	
	1" - 12"	14" AND UP
170°	225	125
180°	200	115
190°	175	105
200°	150	95
210°	125	40
220°	100	35
230°	75	25

MAXIMUM WORKING  
TEMPERATURE 230°F

## **NOTES:**

WWW.METRAFLEX.COM FOR INSTALLATION INSTRUCTIONS.  
 JOINT MUST BE INSTALLED AT ITS NEUTRAL LENGTH.  
 BOLTS MUST BE PROPERLY TORQUED.  
 NOT SUITABLE FOR STEAM OR VACUUM APPLICATIONS.  
 IF CONNECTING PIPE IS NOT ANCHORED AND GUIDED,  
 CONTROL UNITS MUST BE USED.

TO BE FURNISHED WITH CONTROL UNITS:

☐ YES

☐ NO

QTY	PART NUMBER	PIPE SIZE		A	AXIAL COMP.	FORCE (LBS)	AXIAL EXT.	FORCE (LBS)	LATERAL OFFSET	FORCE (LBS)	ANGULAR	WEIGHT (LBS)	THREAD SIZE (UNC)
		INCH	MM										
	MSREE0100	1"	25	6"	1/2"	N/A	3/8"	N/A	1/2"	N/A	15°	5	1/2"
	MSREE0125	1-1/4"	32	6"	1/2"	N/A	3/8"	N/A	1/2"	N/A	15°	6	1/2"
	MSREE0150	1-1/2"	38	6"	1/2"	N/A	3/8"	N/A	1/2"	N/A	15°	7	1/2"
	MSREE0200	2"	50	6"	1/2"	55	3/8"	73	1/2"	55	15°	8	5/8"
	MSREE0250	2-1/2"	65	6"	1/2"	102	3/8"	68	1/2"	97	15°	13	5/8"
	MSREE0300	3"	80	6"	1/2"	136	3/8"	115	1/2"	108	15°	14	5/8"
	MSREE0400	4"	100	6"	5/8"	145	3/8"	242	1/2"	275	15°	18	5/8"
	MSREE0500	5"	125	6"	5/8"	172	3/8"	196	1/2"	308	15°	23	3/4"
	MSREE0600	6"	150	6"	5/8"	293	3/8"	563	1/2"	484	15°	28	3/4"
	MSREE0800	8"	200	6"	5/8"	372	1/2"	587	1/2"	688	15°	40	3/4"
	MSREE1000	10"	250	8"	3/4"	398	1/2"	455	3/4"	781	15°	68	7/8"
	MSREE1200	12"	300	8"	3/4"	390	1/2"	356	3/4"	842	15°	94	7/8"
	MSREE1400	14"	350	8"	3/4"	N/A	1/2"	N/A	3/4"	N/A	15°	105	1"
	MSREE1600	16"	400	8"	3/4"	N/A	1/2"	N/A	3/4"	N/A	15°	120	1"
	MSREE1800	18"	450	8"	3/4"	N/A	1/2"	N/A	3/4"	N/A	15°	125	1-1/8"
	MSREE2000	20"	500	8"	3/4"	N/A	1/2"	N/A	3/4"	N/A	15°	145	1-1/8"
	MSREE2400	24"	600	10"	3/4"	N/A	1/2"	N/A	3/4"	N/A	15°	265	1-1/4"


## **NSF 372 - LEAD FREE**

The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight. Material complies with state codes and standards, where applicable, requiring reduced lead content.

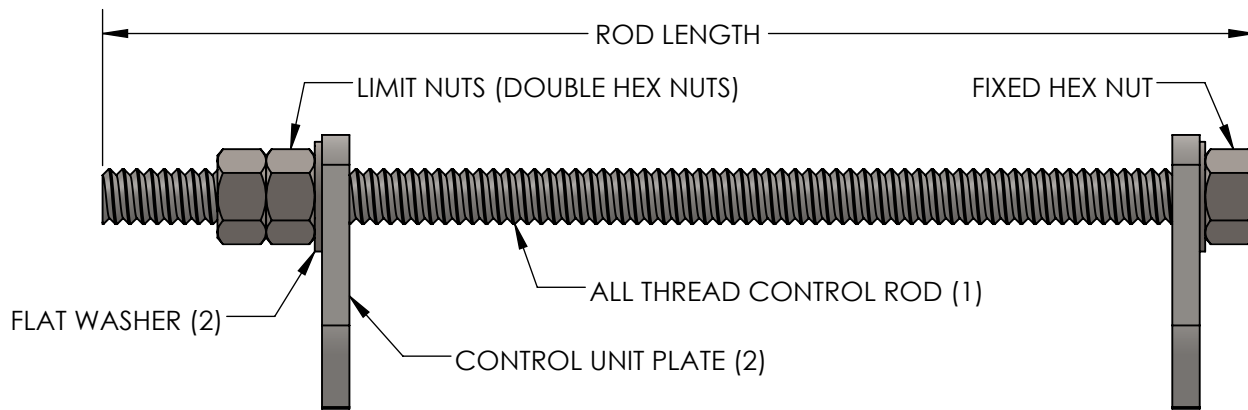
CUSTOMER: \_\_\_\_\_

PROJECT: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

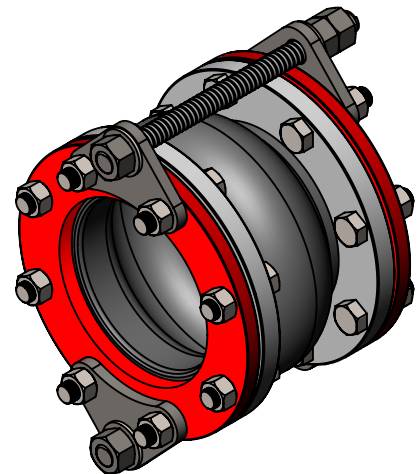
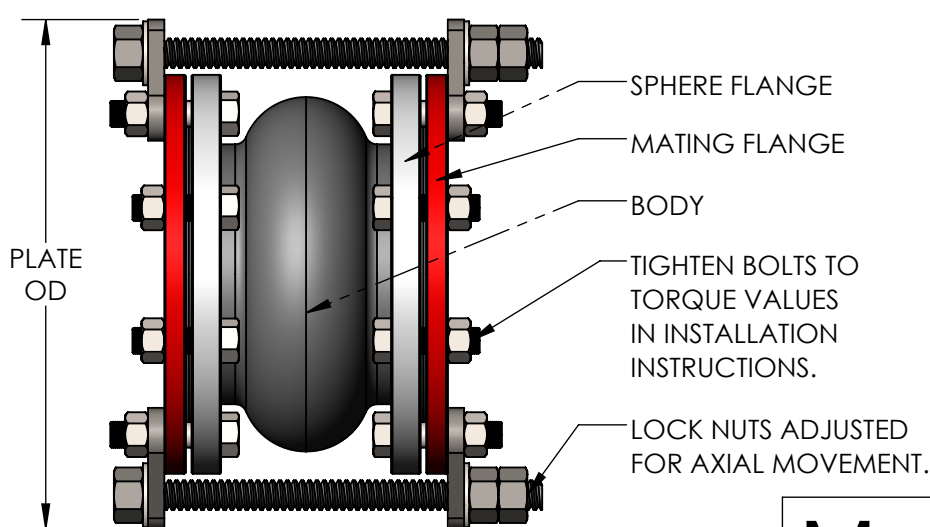
REV.	DATE
 <div style="float: right; text-align: right;">                 2323 W. HUBBARD ST.                  CHICAGO, IL 60612                  TEL: 312-738-3800                  FAX: 312-738-0415                  WWW.METRAFLEX.COM             </div>	
<b>METRASPHERE MODEL MSREE</b> EPDM EXPANSION JOINT, TAPPED BOLT HOLES	
DRAWN BY: <b>DKISH</b>	DATE: <b>1/19/2017</b>
APPROVED: <b>JC</b>	DATE: <b>1/23/2017</b>
SCALE: <b>N/A</b>	DRAWING NUMBER: <b>MSREE-1</b>

# CONTROL UNIT SELECTION CHART / DIMENSIONS FOR MODELS MSR, 100HT, 711 ONLY



CONSULT FACTORY FOR NUMBER OF CONTROL UNITS REQUIRED

PIPE SIZE	ROD TYPE	ROD THICKNESS	ROD LENGTH	PLATE TYPE	PLATE THICKNESS	PLATE OD
1"	GUSRD058X120	5/8"	12"	GUSPLT01	3/8"	8-3/8"
1-1/4"	GUSRD058X120	5/8"	12"	GUSPLT01	3/8"	8-3/4"
1-1/2"	GUSRD058X120	5/8"	12"	GUSPLT01	3/8"	9-1/8"
2"	GUSRD058X120	5/8"	12"	GUSPLT0204	3/8"	10-1/8"
2-1/2"	GUSRD058X120	5/8"	12"	GUSPLT2503	3/8"	11-1/8"
3"	GUSRD058X120	5/8"	12"	GUSPLT2503	3/8"	11-5/8"
4"	GUSRD058X120	5/8"	12"	GUSPLT0204	3/8"	13-1/8"
5"	GUSRD058X120	5/8"	12"	GUSPLT0506	1/2"	14-1/8"
6"	GUSRD058X120	5/8"	12"	GUSPLT0506	1/2"	15-1/8"
8"	GUSRD100X145	1"	14-1/2"	GUSPLT0800	1/2"	19-1/8"
10"	GUSRD100X170	1"	17"	GUSPLT1012	3/4"	21-5/8"
12"	GUSRD100X170	1"	17"	GUSPLT1012	3/4"	24-5/8"
14"	GUSRD100X170	1"	17"	GUSPLT1400	3/4"	26-5/8"
16"	GUSRD125X185	1-1/4"	18-1/2"	GUSPLT1600	3/4"	30-1/8"
18"	GUSRD125X185	1-1/4"	18-1/2"	GUSPLT1800	3/4"	31-5/8"
20"	GUSRD125X185	1-1/4"	18-1/2"	GUSPLT2000	3/4"	34-1/8"
24"	GUSRD125X215	1-1/4"	21-1/2"	GUSPLT2400	1"	38-5/8"



CUSTOMER: \_\_\_\_\_

PROJECT: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

**Metraflex**  
for pipes in motion

2323 W. HUBBARD ST.  
CHICAGO, IL 60612  
TEL: 312-738-3800  
FAX: 312-738-0415  
WWW.METRAFLEX.COM

CONTROL UNITS FOR MSR, 100HT, 711

DRAWN BY: **DKISH**

DATE: **1/5/2017**

APPROVED: **JC**

DATE: **1/6/2017**

SCALE:  
N/A

DRAWING NUMBER:  
**CONTROLUNIT-MSR100711**