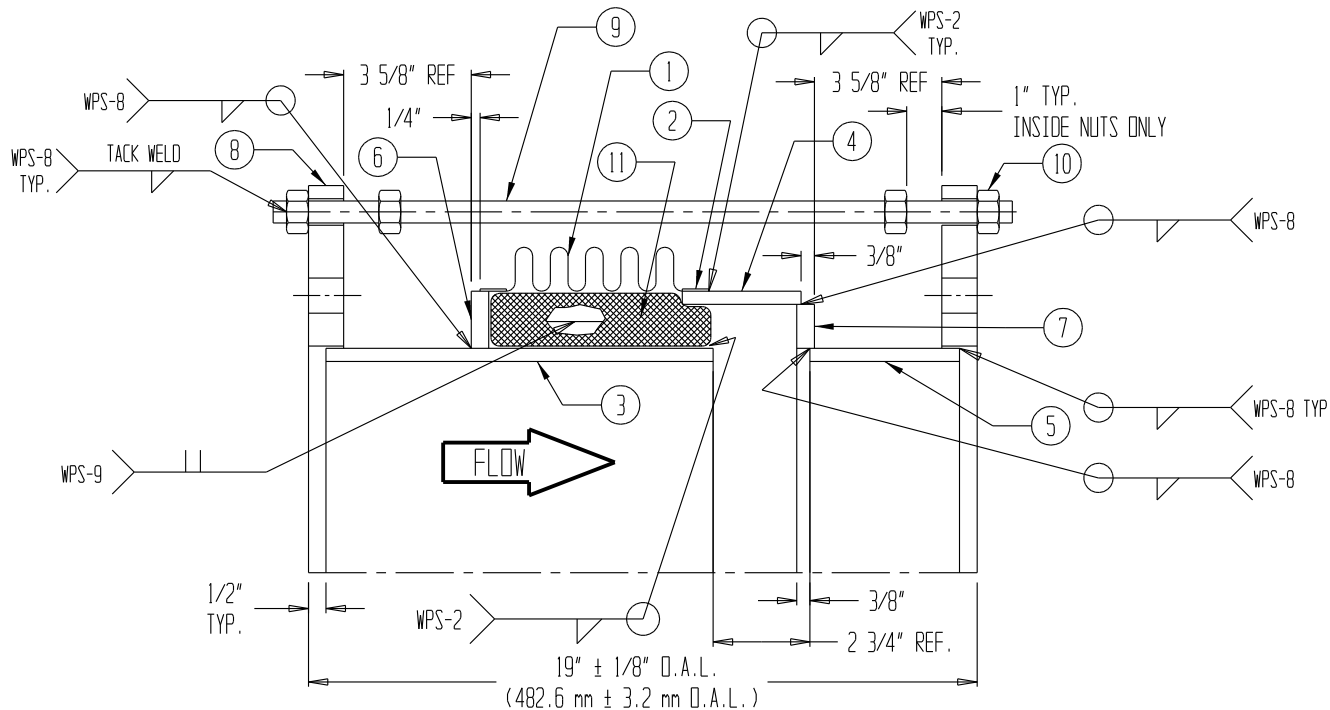


MF-045240, Sh 1 of 1

- NOTES: 1. ALL MATING PIPING MUST BE PROPERLY ANCHORED AND GUIDED  
2. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED  
3. DESIGNED IN ACCORDANCE WITH THE STANDARDS OF THE EXPANSION JOINT MANUFACTURERS ASSOCIATION.  
4. PAINT PER MICROFLEX STANDARD MS-3017  
5. ALL INTERNAL CST SHALL BE CARBURIZED TO 300 BHN PRIOR TO WELDING BELLOWS.  
6. MARK FLOW ARROW ON EXTERIOR OF EXPANSION JOINT.



### DESIGN DATA

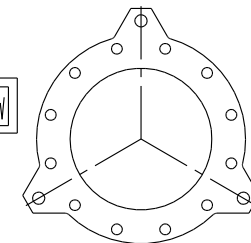
FLOW MEDIUM: AIR AND ASH	AXIAL COMPRESSION: 2" (50.4 mm)
DESIGN PRESS: 19 PSIG (1.31 BARG)	AXIAL EXTENSION: NONE
DESIGN TEMP: 250° F (121°C)	LATERAL DEFLECTION: NONE
RATED CYCLE LIFE: 3,500	ANGULAR ROTATION: NONE
TEST PRESS: 29 PSIG (2 BARG)	
APPROX WEIGHT: 208 LBS (95 kg)	
FLOW VELOCITY: 3600 FT/MIN (1098 m/s)	

MICROFLEX P/N: 1101-01-0120-045240  
CUSTOMERS P/N: SP 228925

TAGGING:

**MICROFLEX INC. MF-045240**  
**TAG ITEM NO: 027**  
**CONTRACT: 21116701**  
**SP 228925**

END VIEW



11	1	KADWOOL: 1 1/2" THK X 6 1/4" WIDE X 54" LONG - WRAP W/ SST MESH	KADWOOL		0066-00-0015-048300
10	12	LIMIT ROD NUTS: 5/8" - 11 UNC (HVV HEX)	A 194 GR2H CST		0082-12-0006-194011
9	3	LIMIT RODS: 5/8" - 11 UNC x 21" LONG	A 193 B7 ST		0081-42-0006-000011
8	2	TIE ROD PLATE FLANGE SPECIAL: 12" SIZE, S.O.F.F., DIN 300, PN 10 PER MS-4787	A 36 CST	MS-4787	0003-12-0100-048120
7	1	RING: 12 13/16" I.D. X 15 3/16" O.D. X 1/2" THK, INTERNALLY CARBURIZE	A 36 CST	SEE NOTE #5	0037-12-1503-1213008
6	1	RING: 12 13/16" I.D. X 16" O.D. X 1/2" THK	A 36 CST		0037-12-1600-1213008
5	1	PIPE: 12" SCH STD (.375" WALL) X 4-1/4" LONG - SQ. CUT, INTERNALLY CARBURIZE	A 53 GRB CST	SEE NOTE #5	0040-12-0120-STD103
4	1	PIPE: 16" SCH STD (.375" WALL) X 3 3/8" LONG - SQ. CUT, INTERNALLY CARBURIZE	A 53 GRB CST	SEE NOTE #5	0040-12-0160-STD103
3	1	PIPE: 12" SCH STD (.375" WALL) X 11" LONG - SQ. CUT, INTERNALLY CARBURIZE	A 53 GRB CST	SEE NOTE #5	0040-12-0120-STD103
2	2	NECK BANDS: .036" THK X 3/4" WIDE	A 240 304 SST		
1	1	BELLOWS: 16" I.D. X 18 1/2" O.D. X 1 PLY @ .018" THK, 5 CONS, 5" BFL, 3/4" NKS	A 240 304 SST		0506-01-0160-001805
ITEM	QTY	DESCRIPTION	MATERIAL	COMMENTS	PART NUMBER

B			
A			
LTR	DATE	DESCRIPTION	BY
REVISIONS			
TOLERANCES (EXCEPT AS NOTED)	DECIMAL ±.010"	FRACTIONAL ±1/16"	ANGULAR ±2.5°
<b>Microflex® inc</b> P.O. BOX 730068 • ORMOND BEACH, FL 32173-0068 1800 U.S. 1 NORTH • ORMOND BEACH, FL 32174 PHONE (386) 677-8100 • FAX (386) 672-7623 FLEXIBLE METAL HOSE • BELLOWS • EXPANSION JOINTS			
FACTORY ORDER NUMBER	SCALE	DATE	DRAWN BY
123621	N/A	8/22/11	GKP
TITLE	12" SINGLE EJ W/ LIMIT RODS		
JOB	DIAMOND POWER SPECIALTY		
DRAWING NUMBER	MF-045240	SHEET	REV
		1 of 1	0

211167-01-027-V101