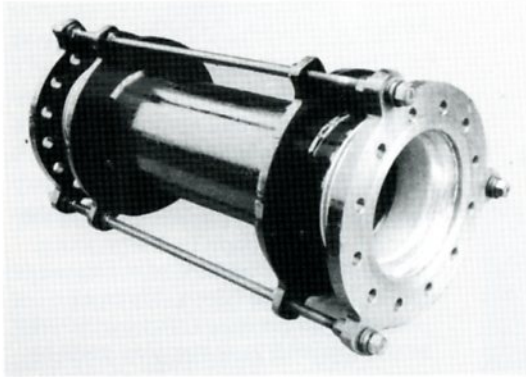


SERIES 1500

Universal Tied Expansion Joints

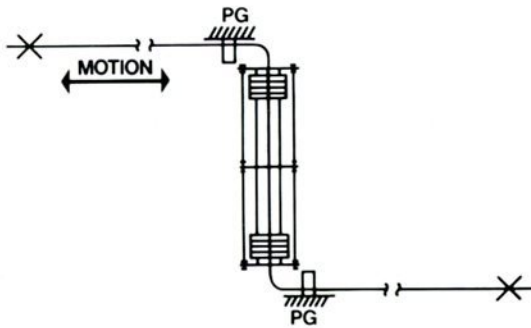
For installations requiring large lateral motions or combined axial and lateral displacements

Universal tied configurations are ideally suited for "floating" systems where thrust anchors are not practical, multiple plane lateral motions; or installations requiring combined lateral and axial motions such as piping connections to storage tanks, and seismic isolation of structures. Virtually unlimited lateral deflection can be absorbed if sufficient length can be provided.



Type 1511R

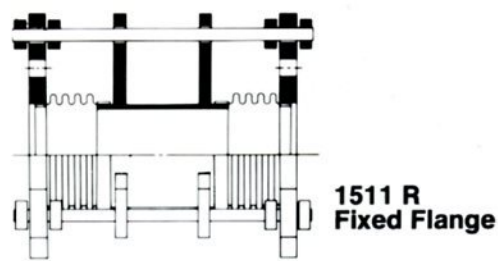
Application



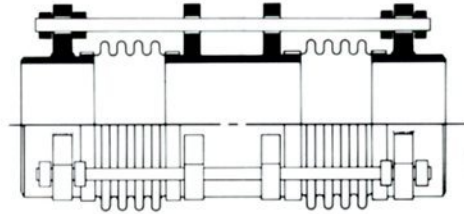
Explanation of table

The standard configurations listed are designed for 2" offset from the centerline.

ADDITIONAL OFFSET: For each additional 1" of offset add 7.25" to the overall length of the 50 and 150 PSIG rated units, and 11.5" to the 300 PSIG designs. If length must be conserved, the joints can be installed offset or "cold sprung" in one direction and as the deflection develops the offset passes through center to the opposite direction, therefore providing double the rate value.



1511 R
Fixed Flange



1512 R
Weld End

Design Pressure 50 PSIG Test Pressure 75 PSIG

Nominal size (IPS)	Size designation	Overall length (inches)	
		1511R	1512R
1-1/2	-027	18.75	23.5
2	-031	20.5	25.0
2-1/2	-035	20.5	25.0
3	-040	22.75	27.0
3-1/2	-044	22.25	26.5
4	-048	22.25	26.5
5	-055	22.25	26.5
6	-060	22.75	26.5
8	-067	23.75	29.0
10	-074	23.75	29.0
12	-080	23.75	33.5
14	-081	23.75	34.0
16	-082	23.75	33.5
18	-083	23.75	33.5
20	-084	26.75	36.5
22	-085	26.75	36.5
24	-086	26.75	36.5

Design Pressure 150 PSIG Test Pressure 225 PSIG

1-1/2	-127	20.75	25.5
2	-131	21.0	25.5
2-1/2	-135	21.5	26.0
3	-140	22.75	27.0
3-1/2	-144	21.75	26.0
4	-148	21.75	26.0
5	-155	22.75	27.0
6	-160	22.25	27.5
8	-167	23.75	29.0
10	-174	23.75	29.0
12	-180	24.75	33.5

Design Pressure 300 PSIG Test Pressure 450 PSIG

1-1/2	-327	30.25	35.0
2	-331	31.0	35.5
2-1/2	-335	31.0	35.5
3	-340	32.75	37.0
3-1/2	-344	29.75	34.0
4	-348	29.75	34.0
5	-355	31.25	35.5
6	-360	31.25	36.5
8	-367	35.25	40.0
10	-374	35.75	41.5
12	-380	35.75	47.0
1	2	3	4

Maximum Temperature 750°F

Ordering Instructions:

The basic specification must include the style identification, 1511R or 1512R, followed by the size designation for the rated pressure from column 2. Other specifications should include the OAL and required lateral travel.

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