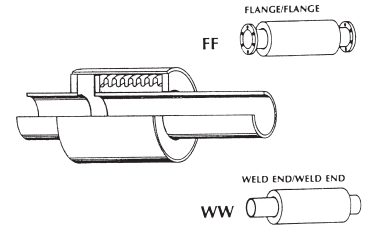




**ENGINEERED FLEXIBLE PRODUCTS, INC.**

5331 Quam Ave., N.E.  
St. Michael, MN 55376



## Metal Expansion Joints - Externally Pressurized

### Externally Pressurized Expansion Joint – Construction

**FITTINGS** – Flanges or beveled weld ends are standard.

**INTERNAL & EXTERNAL GUIDES** – Insures proper guiding of pipe inside joint.

**DRAIN** – For draining liquids or location for installing a steam trap.

**BELLOWS** – Single or multi-ply. 304SS is standard.

**INTERNAL LINER** – Carbon steel pipe liner prevents turbulence.

**COVER** – Excellent protection and is designed for full line pressure.

### Available Styles and Options:

- Single or dual bellows
- 150# or 300# pressure ratings (with appropriate 150# or 300# drilled flanges)
- Standard T-304 SS bellows or specify 316SS, 321SS, Inco 600, or Inco 625
- Anchor base is standard on dual units and optional on single units
- Ends can be flange x flange, weld x weld, or flange x weld

### Externally Pressurized

Externally pressurized expansion joints are designed for use in straight pipe runs to accommodate for high pressure and large thermal expansion and contraction. External pressure is applied to the bellows via a gap between the internal flange and housing. This keeps the bellows from becoming unstable, thus, allowing a longer bellows to be manufactured.

### Externally Pressurized

SIZE	O.A.L.										EFFECTIVE AREA IN <sup>2</sup>	SHELL O.D. IN.
	SINGLE					DOUBLE						
	AXIAL MOVE	FF	WT.	WW	WT.	AXIAL MOVE	FF	WT.	WW	WT.		
<b>2"</b>	4	24-7/8	34	24-1/4	26	8	43-1/4	70	39-1/2	60	16	6-5/8
<b>2-1/2"</b>	4	25-1/8	40	24-1/2	29	8	43-1/4	79	39-1/2	65	16	6-5/8
	8	38-5/8	58	38	47	16	75-1/4	126	71-1/2	112		
<b>3"</b>	4	23-7/8	51	23-1/4	38	8	41-1/4	98	37-1/2	82	16	6-5/8
	8	38-3/8	75	37-3/4	62	16	71-1/4	154	67-1/2	138		
<b>4"</b>	4	23-7/8	66	24-1/4	59	8	42-1/2	153	38-3/4	127	35	8-5/8
	8	37-7/8	110	37-1/4	94	16	73-3/4	242	70	216		
<b>5"</b>	4	25	112	24-1/4	91	8	40-1/4	200	36	170	35	10-3/4
	8	38-1/4	165	37-1/2	144	16	64-3/4	286	60-1/2	296		
<b>6"</b>	4	25-1/2	138	24-3/4	115	8	40-1/4	222	36-1/4	184	54	10-3/4
	8	38-1/2	200	37-3/4	177	16	64-3/4	316	60-3/4	278		
<b>8"</b>	4	28-1/4	198	27-1/4	153	8	42-1/2	320	38-1/4	260	88	12-3/4
	8	42	283	41	238	16	69	490	64-3/4	430		
<b>10"</b>	4	27	240	26	186	8	45-1/4	450	40-1/2	364	118	14-1/2
	8	40-1/4	342	39-1/4	238	16	78	706	73-1/4	620		
<b>12"</b>	4	27	308	26	226	8	47-1/4	583	42-1/4	455	163	16-3/4
	8	39-3/4	428	38-3/4	346	16	81-3/4	907	76-3/4	779		
<b>14"</b>	4	28-1/4	491	24-1/2	293	8	47-1/2	709	42-1/4	529	196	18
	8	45-1/2	671	41-3/4	473	16	82	1069	76-3/4	889		
<b>16"</b>	4	28-3/4	547	24-1/2	329	8	48	774	42-1/4	574	354	24
	8	46	749	41-3/4	530	16	82-1/2	1176	76-3/4	976		
<b>18"</b>	4	29	652	24-1/2	364	8	48-1/4	893	42-1/4	663	354	24
	8	46-1/4	875	41-3/4	588	16	82-3/4	1341	76-3/4	1081		
<b>20"</b>	4	29-3/4	766	24-1/2	400	8	49	1054	42-1/4	724	501	28
	8	47	1012	41-3/4	696	16	83-1/2	1544	76-3/4	1214		
<b>24"</b>	4	30-1/4	961	24-1/2	472	8	49-1/2	1292	42-1/4	852	583	30
	8	47-1/2	1250	41-3/4	761	16	84	1870	76-3/4	1430		