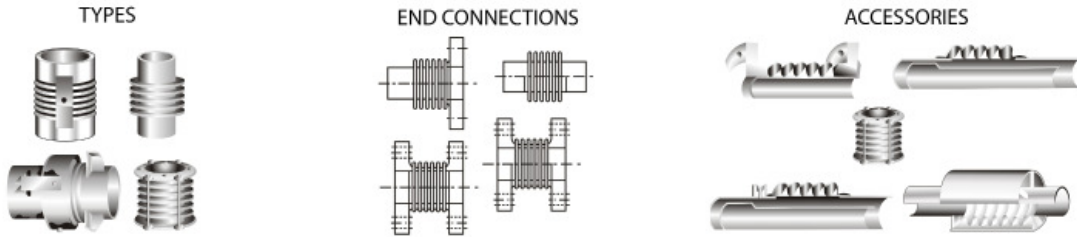


**SINGLE EXPANSION JOINTS**

**26-INCH NOMINAL DIAMETER**

Effective (Thrust) Area: 592.71 in<sup>2</sup> (3822.98 cm<sup>2</sup>)



D I A M E T E R	P R E S S U R E	O V E R A L L L E N G T H A N D W E I G H T						N O N - C O N C U R R E N T M O V E M E N T S			S P R I N G R A T E S			
		F L A N G E D E N D S		W E L D E N D S		C O M B I N A T I O N E N D S		A X I A L	L A T E R A L	A N G U L A R	A X I A L	L A T E R A L	A N G U L A R	T O R S I O N A L
		O.A.L.	WT.	O.A.L.	WT.	O.A.L.	WT.	C O M P						
		PSIG	IN	LB	IN	LB	IN	LB	IN	IN	DEG	LB/IN	LB/IN	IN-LB/DEG
KG/CM <sup>2</sup>	MM	KG	MM	KG	MM	KG	MM	MM	GRAD	KG/MM	KG/MM	N-M/GRAD	N-M/GRAD x 10 <sup>5</sup>	
26	60	12	273	16	97	14	185	3.57	0.37	10	577	9005	946	2.3301
	4.2	305	124	406	44.1	356	84.1	90.7	9.4	11	10	161	96.2	2.3697
	60	18	287	22	112	20	200	5.99	1.06	10	346	1857	568	1.3915
	4.2	457	130	559	50.9	508	90.9	152	26.9	11	6	33	57.8	1.4152
	40	24	302	28	126	26	214	9.11	2.27	10	247	663	406	0.9919
	2.8	610	137	711	57.3	660	97.3	231	57.7	11	4	12	41.3	1.0088
26	165			16	107			1.93	0.19	8	2664	46954	4371	4.2135
	11.6			406	48.6			49	4.83	9	48	840	444.5	4.2852
	165			22	130			3.37	0.57	10	1522	8761	2498	2.4077
	11.6	Customer to specify flange configuration. Weights and O.A.L. will be furnished upon receipt of this information.		559	59.1	Customer to specify flange configuration. Weights and O.A.L. will be furnished upon receipt of this information.		85.6	14.5	11	27	157	254.0	2.4487
	165			28	153			4.82	1.17	10	1066	3005	1748	1.6854
	11.6			711	69.5			122	29.7	11	19	54	177.8	1.7141
26	335			16	162			1.84	0.18	8	5343	94509	8797	4.4038
	23.5			406	73.6			46.7	4.57	9	96	1691	894.7	4.4786
	335			22	207			3.21	0.55	10	3053	17634	5027	2.5164
	23.5			559	94.1			81.5	14	11	55	316	511.2	2.5592
	335			28	251			4.59	1.11	10	2137	6049	3519	1.7615
	23.5			711	114			117	28.2	11	38	108	357.9	1.7915

**GENERAL NOTES**

1. Rated life cycle at 650°F is 3000 cycles for any one tabulated movement.
2. To combine axial, lateral and angular movements, please refer to page 43.
3. To increase cycle life or movements, please refer to graph on page 42.
4. Rated bellows extension is equal to rated axial movement. Provided bellows is precompressed the amount of design extension. Installed O.A.L. will decrease by the amount of precompression.
5. Maximum test pressure: 1.5 X rated working pressure.
6. Bellows rated for 650°F: See page 31 for appropriate flange temperature/pressure ratings.
7. Torsional spring rate data provided only for modeling expansion joints on computer stress programs. Please consult factory for allowable torsional loadings.
8. Overall lengths and weights for unrestrained expansion joints only. Consult factory for information regarding tied, hinged, or gimbal expansion joints.
9. Pressure thrust load applied to adjacent pipe anchors/equipment when unrestrained expansion joints are used.

**MATERIALS**

**BELLOWS:** A240-T304. Alternate materials available upon request. Refer to page 33.  
**FLANGES:** ASTM A105.  
 40-60 psig Series: 125 lb Lt. Wt. FF50.  
 For 165 psig and 335 psig Series: Customer to specify actual flanges required.  
 Plate flanges and angle flanges available for low pressure systems. Please refer to page 32.  
**PIPE:** ASTM A53/A106.  
 40-60 psig Series: 0.375-inch wall.  
 165 psig Series: 0.375-inch wall.  
 335 psig Series: 0.500-inch wall.  
**LINERS:** A240-T304.  
**COVERS:** Carbon steel.  
**TIE RODS, HINGES, GIMBALS:** Carbon steel