

SINGLE & DOUBLE EXTERNALLY PRESSURIZED EXPANSION JOINTS

Externally pressurized expansion joints are designed for use in straight pipe runs to accommodate high pressure and large amounts of thermal expansion and contraction. Pressure is applied to the bellows external surface via a gap between the inner guide ring and outer pipe shell. The stabilizing effect of external pressure permits use of a longer bellows with larger movement capability than a comparable internally pressurized design.

This rugged construction fully encases the bellows, assuring a high level of safety and durability. A convenient drain port is included that allows removal of condensate and sediment in steam service applications.

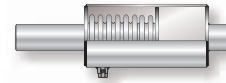
How to order:
Example P/N

DIA	STYLE	ENDS	PRESSURE	PRESSURE
2	SX	FF	150	4

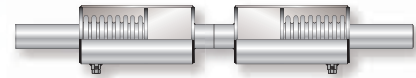
SX AND DX DATA

	SINGLE
Size Range	2" to 12" NPS
Allowable Pressure Stainless Steel Bellows	Vacuum to 300 psig
Temperature Limits Stainless Steel Bellows	-20F to 800F. **
Axial Traverse	To 8" (SX) . . . To 16" (DX)

* For sizes larger than 12" consult factory for information.
** With special alloys, temperatures of minus 300°F. to plus 1600°F. can be handled.



SINGLE SX-WW (weld ends)
also available as SX-FF (flanged ends)



Dual with Anchor Base DX-WW (weld ends)
also available as DX-FF (flanged ends)

150 AND 300 PSIG DESIGNS AVAILABLE

Size (ins.)	Axial Mmt.	Single (SERIES SX)				Single (SERIES SX)					Axial Sp. Rate (lbs/in.)	Effective Area (ins. ²)	Shell O.D. (ins.)
		FF OAL	Wt.	WW OAL	Wt.	Axial Mmt.	FF OAL	Wt.	WW OAL	Wt.			
2	4	27	39	26	29	8	53	73	52	63	570	19	6 5/8
2 1/2	4	27	47	26	33	8	53	85	52	71	570		
	8	47	103	46	89	16	93	157	92	185	285	19	6 5/8
3	4	27	65	26	49	8	53	119	52	105	570		
	8	47	113	46	97	16	93	200	92	200	285	19	6 5/8
4	4	27	112	26	86	8	53	208	52	180	792		
	8	47	170	46	144	16	93	230	92	300	396	35	8 5/8
5	4	27	140	26	110	8	53	265	52	230	792		
	8	47	214	46	184	16	93	333	92	378	396	35	8 5/8
6	4	27	176	26	138	8	53	330	52	285	890		
	8	47	262	46	224	16	93	505	92	455	445	54	10 3/4
8	4	29	250	28	190	8	57	460	56	390	1296		
	8	49	342	48	282	16	97	644	96	574	649	88	12 3/4
10	4	29	312	28	226	8	57	563	56	462	1434		
	8	49	462	48	376	16	97	863	96	762	717	118	14 1/2
12	4	29	387	28	259	8	57	676	56	530	1105		
	8	49	563	48	435	16	97	1028	96	882	553	163	16 3/4

MATERIALS OF CONSTRUCTION

- **BELLOWS**
A 240-304
Other Materials Available
- **FLANGES**
A-105/A516-70
2" thru 12" 150 lb.
& 300 lb.
R.F.S.O. B16.5
- **PIPE/SHELL**
A53/106 Gr. B
or A516-70
2" thru 10" Sch. 40
12" Std. Wall .375" thk.
- **RINGS**
A285 GR. C or A516-70
- **ANCHOR BASE**
Carbon Steel
(Standard on NDX)
- **DRAIN, VENT PORTS**
Carbon Steel