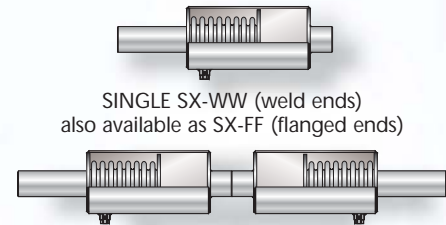


# SINGLE & DOUBLE EXTERNALLY PRESSURIZED EXPANSION JOINTS

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.



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

## SX AND DX DATA

	SINGLE
Size Range	2" to 12" NPS
Allowable Pressure Stainless Steel	Vacuum to 300 psig
Temperature Limits Stainless Steel	-20°F to 800°F. **
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.

How to order:

Example P/N

DIA	STYLE	ENDS	PRESSURE	TRAVEL
2	SX	FF	150	4

## 150 AND 300 PSIG DESIGNS AVAILABLE

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

## 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