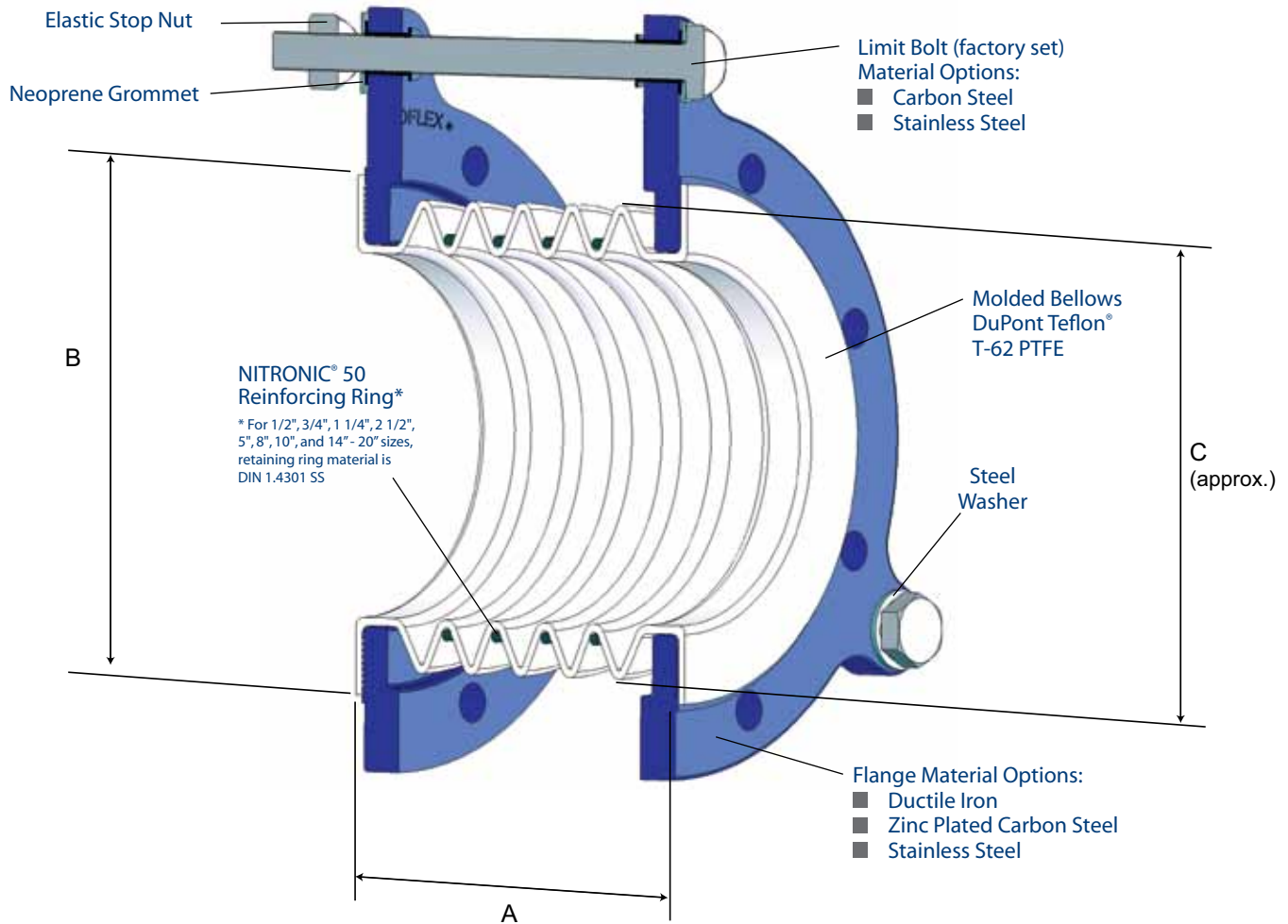
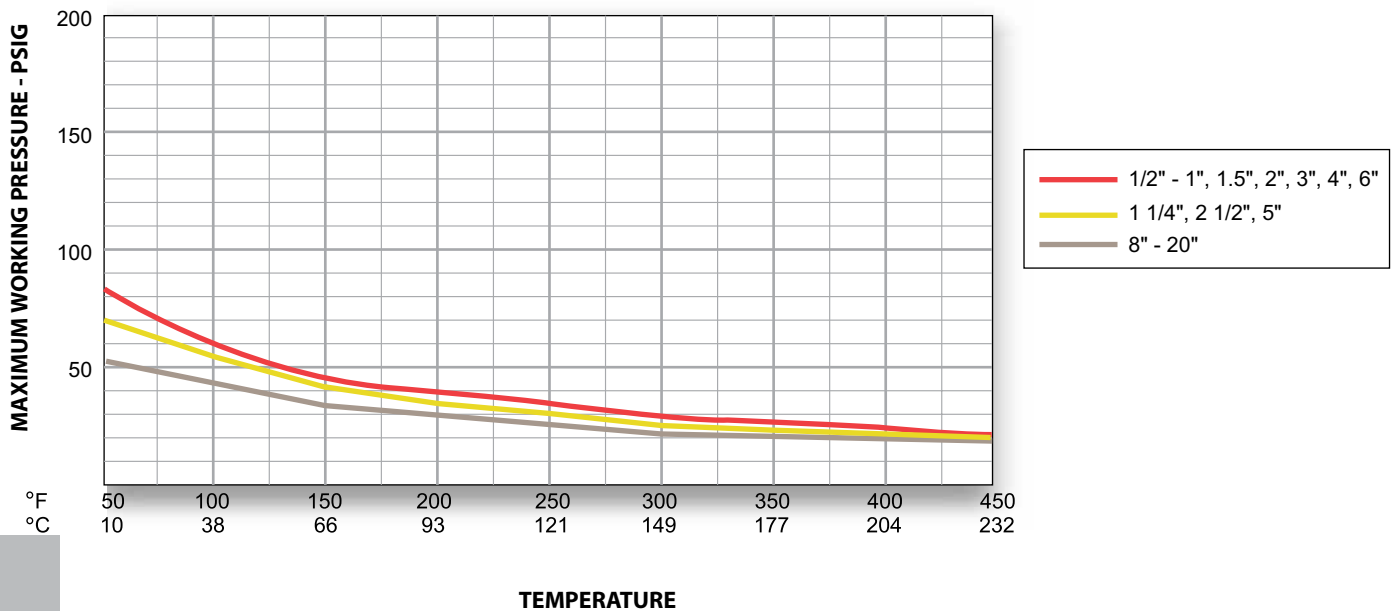


# RESISTOFLEX®

## R6906 - 5 Convoluted PTFE Expansion Joint



### NON-SHOCK WORKING PRESSURE vs. TEMPERATURE



## R6906 - 5 Convolute PTFE Expansion Joint

Nom. Size (I.D.)	Part Number	A †		B Flare Diameter	C Convolute O.D.	Maximum Misalignment + or -	Max. Angular Deflection + or -	Compression Force Spring Rate (lb <sub>f</sub> / in.)	Extension Force Spring Rate (lb <sub>f</sub> / in.)	Misalignment Force Spring Rate (lb <sub>f</sub> / in.)	Wt. (lbs.)	Vacuum Rating (In. Hg/°F)
		Neutral Length	Max. Axial Travel + or -									
1/2	R6906-008	2 1/2	7/16	1 3/8	1	5/16	20°	CF	CF	CF	3	
3/4	R6906-012		1/2	1 11/16	1 11/32	3/8					4	
1	R6906-016	3	1/2	2	1 57/64	1/2	20°	30	44	22	2	
	R6906E-016	3 1/2	27/32									
1 1/4	R6906-020	2 43/64	13/32	2 1/2	1 11/64	1/2	20°	36	114	171	5	5-Convolute Expansion Joints Are Not Rated for Vacuum Service
1 1/2*	R6906-024	3 1/2	3/4	2 7/8	2 35/64	1/2	20°	75	83	46	5	
	R6906E-024	3 5/8	7/8									
2	R6906-032	4	1	3 5/8	3 55/64	1/2	20°	60	47	50	9	
	R6906E-032	3 3/4	7/8				15°		50			
2 1/2	R6906-040	4 19/32	15/16	4 1/8	3 1/2	1/2	20°	116	319	285	11	
3	R6906-048	5	1	5	4 41/64	1/2	20°	55	60	170	14	
	R6906E-048	4 3/8	1 1/32				17°					
4	R6906-064	5 1/4	1 1/4	6 3/16	5 11/16	5/8	20°	72	60	80	20	
	R6906E-064	4 9/16	1 3/32				15°					
5*	R6906-080	6	1 1/4	7 5/16	6 5/8	5/8	20°	140	388	400	26	
6	R6906-096	6	1 1/4	8 1/2	8	5/8	20°	190	130	195	31	
	R6906E-096	5 1/32	1 3/16				15°					
8*	R6906-128	8	1 1/4	10 5/8	10 5/16	5/8	20°	304	388	457	49	
10*	R6906-160	8 3/4	1 1/4	12 3/4	11 3/4	5/8		458	388	457	64	
								529	445	457	88	
12	R6906-192	9	1 3/8	15	15	11/16		203	371	514	143	
14	R6906-224	12 51/64	1 3/8	16 1/4	17 1/4	1		180	383	514	179	
16	R6906-256	13 1/2	1 5/8	18 1/2	18 3/16			185	371	571	243	
20	R6906-320	20 15/32	1 5/8	23	21 27/32							

All Dimension in inches unless otherwise noted.

† At neutral length with limit bolts in place.

† Maximum (axial) travel is based on installation with no misalignment or angular deflection.

† This is an installation dimension not a limit bolt setting.

CF = Consult Factory

**NOTE:** Consult factory for spring rates for angular deflection.

5-Convolute expansion joints are not recommended for vacuum service. Recommended only for low-pressure applications such as weigh tank connections.

### Standard Material Offering

Size (in.)	Flange	Limit Bolt	Reinforcing Ring
1 - 12	Painted Ductile Iron	Carbon Steel	NITRONIC® 50*
1/2", 3/4", 1 1/4", 14" - 20"	Zinc Plated Carbon Steel	Carbon Steel	DIN 1.4301 Stainless Steel

\* 2 1/2", 5", 8" and 10" sizes have ductile iron flanges and DIN 1.4301 SS reinforcing rings

### Stainless

■ 316 Stainless steel flanges and limit bolts are available as an option.

