

PROCO™

STYLE

442-E

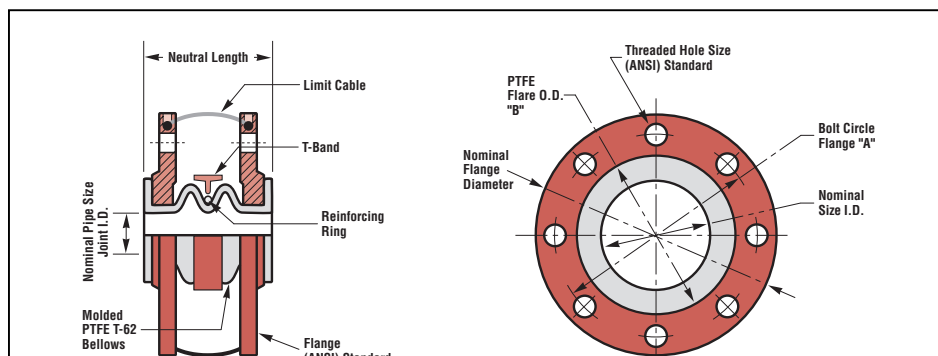


molded PTFE expansion joints

Table 2: Sizes • Movements • Spring Rates • Flange Standards • Temperatures • Vacuum • Weights

NOMINAL SIZE I.D.	NEUTRAL LENGTH INCHES	MOVEMENT CAPABILITIES BASED ON TWO CONVOLUTION DESIGN ¹			SPRING RATE CAPABILITY ²				EXPANSION JOINT FLANGE DRILLING						PRESSURE AT TEMPERATURE (PSIG) @ °F								VACUUM RATING ³	WEIGHT / LBS
		± AXIAL (Δx) MOVEMENT	LATERAL (Δy) DEFLECTION	ANGULAR DEFLECTION	COMPRESSION SPRING RATE	EXTENSION SPRING RATE	LATERAL SPRING RATE	THRUST FACTOR	# HOLES	THREADED HOLE SIZE	BOLT CIRCLE FLANGE "A"	PTFE FLARE O.D. "B"	FLANGE THICKNESS	NOMINAL FLANGE O.D.										
															IN	IN	DEG.	LB _f /IN	LB _f /IN	LB _f /IN	70°	100°		
1.00	1.750	0.344	.250	16	140	144	120	2.76	4	1/2-13	3.125	2.000	.438	4.250	185	170	148	130	115	100	84	68	29.9" @ 425°F	3
1.50	1.813	0.344	.250	13	240	200	240	4.60	4	1/2-13	3.875	2.875	.469	5.000	185	170	148	130	115	100	84	68	29.9" @ 425°F	4
2.00	1.875	0.344	.281	12	430	350	440	7.07	4	5/8-11	4.750	3.625	.484	6.000	185	170	148	130	115	100	84	68	29.9" @ 425°F	7
3.00	2.188	0.406	.313	10	650	320	350	15.90	4	5/8-11	6.000	5.000	.578	7.500	185	170	148	130	115	100	84	68	29.9" @ 425°F	10
4.00	2.281	0.438	.313	9	360	280	630	23.75	8	5/8-11	7.500	6.188	.578	9.000	185	170	148	130	115	100	84	68	29.9" @ 400°F	17
6.00	2.531	0.469	.375	7	460	350	720	50.24	8	3/4-10	9.500	8.500	.641	11.000	185	170	148	130	115	100	84	68	29.9" @ 400°F	27
8.00	2.750	0.531	.406	6	300	230	800	81.48	8	3/4-10	11.750	10.625	.688	13.500	164	150	129	112	100	87	73	60	29.9" @ 250°F	35
10.00	2.969	0.563	.438	5	1280	870	1000	108.38	12	7/8-9	14.250	12.750	.734	16.000	164	150	129	112	100	87	73	60	29.9" @ 250°F	52
12.00	3.094	0.594	.469	5	380	240	1000	176.63	12	7/8-9	17.000	15.000	.813	19.000	70	59	48	40	35	30	26	22	29.9" @ 75°F	107

- NOTES: 1. Movements are non-concurrent and based from Neutral Length with Limit Cables installed.
 2. Spring Rate Capability is based on 1" of movement at zero pressure conditions.
 3. Vacuum Rating is based from fully extended position.



SERIES 442-E MATERIALS OF CONSTRUCTION	
DESCRIPTION	1" THROUGH 12"
BELLOWS	PTFE T-62
FLANGES	DUCTILE IRON
REINFORCING RINGS	STAINLESS STEEL
T-BANDS	CARBON STEEL

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