

PROCO™

STYLE

443-E

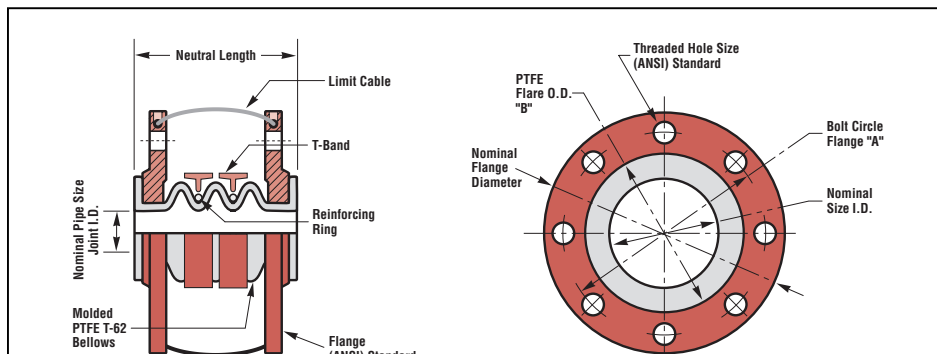


molded PTFE expansion joints

Table 4: Sizes • Movements • Spring Rates • Flange Standards • Temperatures • Vacuum • Weights

NOMINAL SIZE I.D.	NEUTRAL LENGTH INCHES	MOVEMENT CAPABILITIES BASED ON THREE 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.	70°	100°	150°	200°	250°	300°	350°	400°			Hg at Temp.
		IN	IN	DEG.	LB _f /IN	LB _f /IN	LB _f /IN																		
1.00	2.313	0.500	.375	24	130	130	260	2.81	4	1/2-13	3.125	2.000	.438	4.250	138	126	107	90	76	64	53	45	29.9" @ 400°F	3	
1.50	2.406	0.531	.375	20	80	70	110	5.09	4	1/2-13	3.875	2.875	.469	5.000	138	126	107	90	76	64	53	45	29.9" @ 400°F	5	
2.00	2.500	0.531	.406	17	70	80	160	9.11	4	5/8-11	4.750	3.625	.484	6.000	138	126	107	90	76	64	53	45	29.9" @ 400°F	8	
3.00	2.906	0.625	.469	15	140	160	190	16.91	4	5/8-11	6.000	5.000	.578	7.500	138	126	107	90	76	64	53	45	29.9" @ 400°F	14	
4.00	3.063	0.656	.500	13	220	160	190	25.40	8	5/8-11	7.500	6.188	.578	9.000	138	126	107	90	76	64	53	45	29.9" @ 400°F	19	
6.00	3.375	0.719	.531	10	350	190	540	50.24	8	3/4-10	9.500	8.500	.641	11.000	138	126	107	90	76	64	53	45	29.9" @ 300°F	30	
8.00	3.656	0.781	.594	9	450	170	750	81.48	8	3/4-10	11.750	10.625	.688	13.500	120	110	94	80	67	57	47	38	29.9" @ 125°F	39	

- 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 443-E MATERIALS OF CONSTRUCTION	
DESCRIPTION	1" THROUGH 8"
BELLOWS	PTFE T-62
FLANGES	DUCTILE IRON
REINFORCING RINGS	STAINLESS STEEL
T-BANDS	CARBON STEEL