

PROCO™

STYLE

445-E

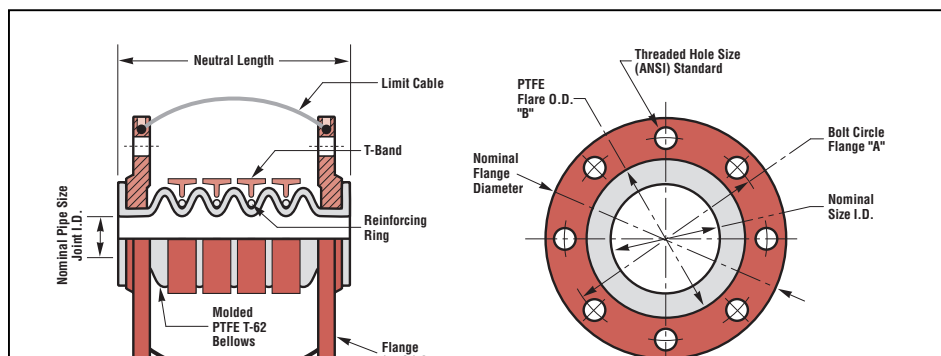


molded PTFE expansion joints

Table 6: Sizes • Movements • Spring Rates • Flange Standards • Temperatures • Vacuum • Weights

NOMINAL SIZE I.D.	NEUTRAL LENGTH INCHES	MOVEMENT CAPABILITIES BASED ON FIVE 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°
		IN	IN	DEG.	LB _p /IN	LB _p /IN	LB _p /IN																	
1.00	3.500	0.844	.625	39	50	110	50	2.81	4	1/2-13	3.125	2.000	.438	4.250	72	61	46	40	34	29	27	24	NOT	3
1.50	3.625	0.875	.656	32	75	80	50	5.09	4	1/2-13	3.875	2.875	.469	5.000	72	61	46	40	34	29	27	24	DESIGNED	7
2.00	3.750	0.875	.656	29	60	50	50	9.11	4	5/8-11	4.750	3.625	.484	6.000	72	61	46	40	34	29	27	24	FOR	10
3.00	4.375	1.031	.781	25	55	60	170	16.91	4	5/8-11	6.000	5.000	.578	7.500	72	61	46	40	34	29	27	24	VACUUM	16
4.00	4.563	1.094	.813	21	70	60	80	25.40	8	5/8-11	7.500	6.188	.578	9.000	72	61	46	40	34	29	27	24	VACUUM	23
6.00	5.031	1.188	.906	17	190	130	195	50.24	8	3/4-10	9.500	8.500	.641	11.000	72	61	46	40	34	29	27	24	SERVICE	34

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. Style 445-E is not designed for Vacuum Service.



SERIES 445-E MATERIALS OF CONSTRUCTION	
DESCRIPTION	1" THROUGH 6"
BELLOWS	PTFE T-62
FLANGES	DUCTILE IRON
REINFORCING RINGS	STAINLESS STEEL
T-BANDS	CARBON STEEL