

SSB HOSE LTD

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STYLE

TEJ2BD

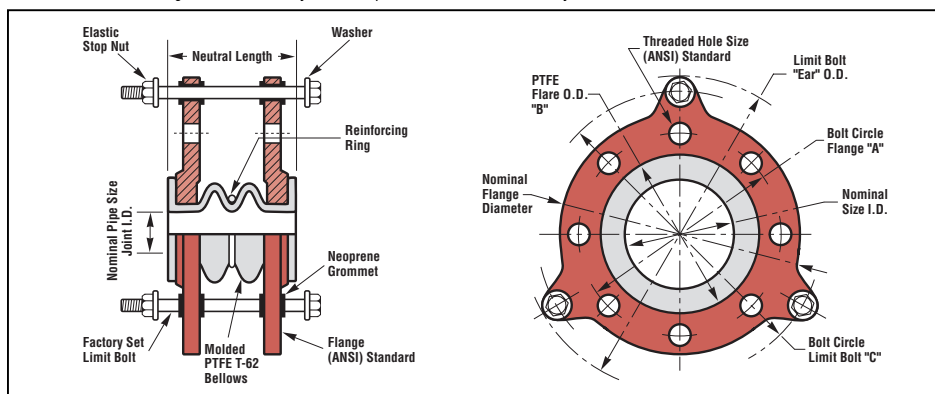


molded PTFE expansion joints

Table 1: 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.	LIMIT BOLT DIAMETER	BOLT CIRCLE LIMIT BOLT "C"											LIMIT BOLT "EAR" O.D.
		IN	IN	DEG.	LB _f /IN	LB _f /IN	LB _f /IN											70°	100°	150°	200°	250°	300°	350°	400°	Hg at Temp.	
1.00	1.375	0.250	.125	7	104	80	104	2.76	4	1/2- 13	3.125	2.000	.313	4.250	.250	5.125	6.000	185	170	148	130	115	100	84	68	29.9" @ 425°F	2
1.25	1.375	0.250	.125	7	61	137	400	2.25	4	1/2- 13	3.500	2.520	.394	4.630	.250	5.196	6.850	185	170	148	130	115	100	84	68	CF	5
1.50	1.375	0.250	.125	7	320	180	224	4.60	4	1/2- 13	3.875	2.875	.344	5.000	.250	5.875	6.750	185	170	148	130	115	100	84	68	29.9" @ 425°F	3
2.00	1.563	0.250	.125	7	512	300	240	7.07	4	5/8- 11	4.750	3.625	.438	6.000	.375	6.875	8.125	185	170	148	130	115	100	84	68	29.9" @ 425°F	7
2.50	2.250	0.313	.125	7	457	278	328	9.62	4	5/8- 11	5.500	4.125	.500	7.000	.375	8.125	9.375	185	170	148	130	115	100	84	68	29.9" @ 425°F	10
3.00	2.250	0.375	.188	7	648	320	319	15.90	4	5/8- 11	6.000	5.000	.500	7.500	.375	8.750	10.000	185	170	148	130	115	100	84	68	29.9" @ 425°F	10
4.00	2.625	0.500	.250	7	480	280	400	23.75	8	5/8- 11	7.500	6.188	.625	9.000	.375	9.875	11.125	185	170	148	130	115	100	84	68	29.9" @ 400°F	18
5.00	3.250	0.500	.250	7	440	440	320	33.17	8	3/4- 10	8.500	7.313	.750	10.000	.500	11.500	13.000	185	170	148	130	115	100	84	68	29.9" @ 400°F	24
6.00	2.750	0.500	.250	7	440	386	440	50.24	8	3/4- 10	9.500	8.500	.750	11.000	.500	12.500	14.000	185	170	148	130	115	100	84	68	29.9" @ 400°F	29
8.00	4.000	0.500	.250	7	450	390	480	83.49	8	3/4- 10	11.750	10.625	.938	13.500	.500	14.750	16.250	164	150	129	112	100	87	73	60	29.9" @ 250°F	47
10.00	5.250	0.500	.250	7	760	600	580	108.38	12	7/8- 9	14.250	12.750	1.000	16.000	.500	17.500	19.000	164	150	129	112	100	87	73	60	29.9" @ 250°F	64
12.00	6.000	0.500	.250	7	1300	420	700	176.63	12	7/8- 9	17.000	15.000	1.000	19.000	.625	20.500	22.000	70	59	48	40	35	30	26	22	29.9" @ 75°F	115
14.00	6.313	0.750	.375	7	320	1056	1256	233.59	12	1- 8	18.750	16.250	1.188	21.000	1.420	24.172	27.313	70	59	48	40	35	30	26	22	10.0" @ 212°F	126
16.00	7.000	1.000	.375	7	297	1096	1256	259.68	16	1- 8	21.250	18.500	1.188	23.500	1.420	27.563	31.500	70	59	48	40	35	30	26	22	10.0" @ 212°F	159
18.00	7.938	1.000	.375	7	440	1941	1370	321.90	16	1 1/8- 8	22.750	21.000	1.188	25.000	1.420	29.000	32.906	70	59	48	40	35	30	26	22	9.0" @ 212°F	174
20.00	9.000	1.000	.375	7	—	—	—	374.57	20	1 1/8- 8	25.000	23.000	1.188	27.500	1.420	31.500	35.438	70	59	48	40	35	30	26	22	6.0" @ 212°F	183
24.00	6.313	0.625	.375	7	—	—	—	538.36	20	1 1/4- 7	29.500	27.250	1.344	32.000	1.420	35.906	39.844	70	59	48	40	35	30	26	22	4.0" @ 212°F	238

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



SERIES TEJ2BD MATERIALS OF CONSTRUCTION		
DESCRIPTION	1" THROUGH 12"	14" THROUGH 24"
BELLOWS	PTFE T-62	PTFE T-62
FLANGES	DUCTILE IRON	ZINC PLATED CARBON STEEL
REINFORCING RINGS	STAINLESS STEEL	STAINLESS STEEL
LIMIT BOLTS	CARBON STEEL	CARBON STEEL
NUTS	CARBON STEEL	CARBON STEEL
GROMMETS	NEOPRENE	NEOPRENE
WASHERS	CARBON STEEL	CARBON STEEL

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STYLE

TEJ2E



molded PTFE expansion joints

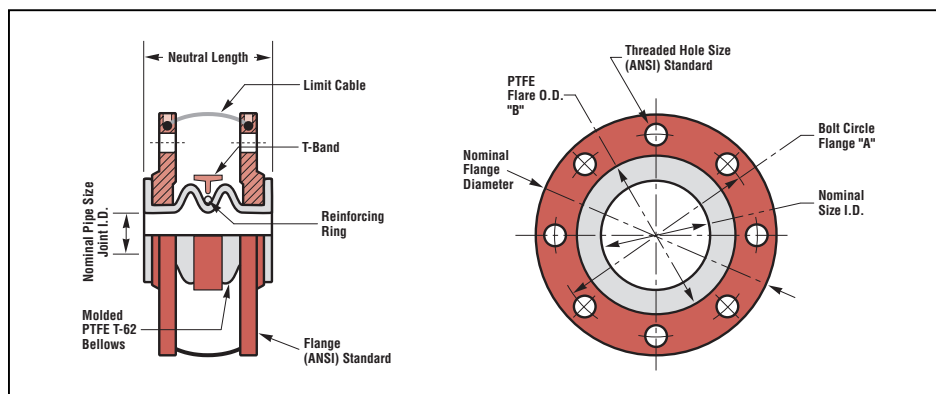
Table 2: Sizes • Movements • Spring Rates • Flange Standards • Temperatures • Vacuum • Weights

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°	150°	200°	250°	300°	350°	400°	Hg at Temp.		
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 TEJ2E MATERIALS OF CONSTRUCTION	
DESCRIPTION	1" THROUGH 12"
BELLOWS	PTFE T-62
FLANGES	DUCTILE IRON
REINFORCING RINGS	STAINLESS STEEL
T-BANDS	CARBON STEEL
LIMIT CABLES	MIL-W-8342

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STYLE TEJ3BD

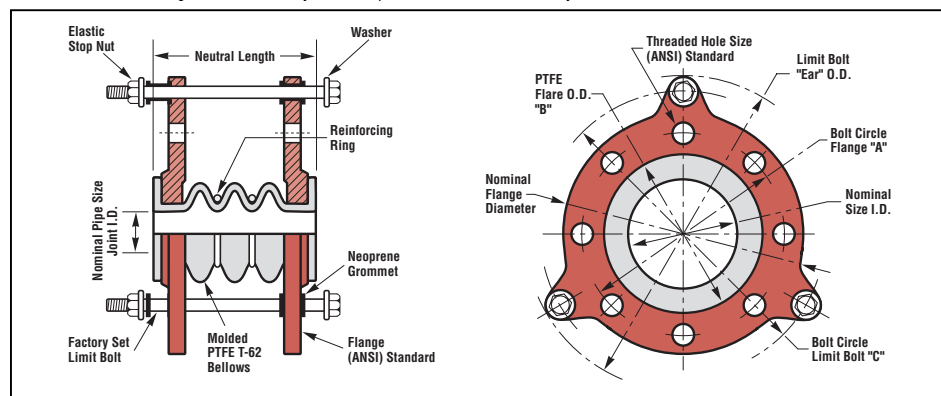


molded PTFE expansion joints

Table 3: 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.	LIMIT BOLT DIAMETER	BOLT CIRCLE LIMIT BOLT "C"	LIMIT BOLT "EAR" O.D.									Hg at Temp.	
		IN	IN	DEG.	LB _f /IN	LB _f /IN	LB _f /IN											70°	100°	150°	200°	250°	300°	350°	400°		
1.00	1.750	0.500	.250	14	190	82	96	2.81	4	1/2- 13	3.125	2.000	.313	4.250	.250	5.125	6.000	138	126	107	90	115	64	53	45	29.9" @ 400°F	2
1.25	1.810	0.500	.250	14	40	120	314	2.25	4	1/2- 13	3.500	2.520	.394	4.630	.250	5.196	6.850	128	120	96	85	72	56	42	36	CF	5
1.50	2.000	0.500	.250	14	84	66	108	5.09	4	1/2- 13	3.875	2.875	.344	5.000	.250	5.875	6.750	138	126	107	90	115	64	53	45	29.9" @ 400°F	4
2.00	2.750	0.750	.375	14	69	76	109	9.11	4	5/8- 11	4.750	3.625	.438	6.000	.375	6.875	8.125	138	126	107	90	115	64	53	45	29.9" @ 400°F	8
2.50	3.188	0.750	.375	14	91	97	160	11.41	4	5/8- 11	5.500	4.125	.500	7.000	.375	8.125	9.375	138	126	107	90	115	64	53	45	29.9" @ 400°F	11
3.00	3.625	1.000	.500	14	124	125	194	16.91	4	5/8- 11	6.000	5.000	.500	7.500	.375	8.750	10.000	138	126	107	90	115	64	53	45	29.9" @ 400°F	13
4.00	3.625	1.000	.500	14	220	155	264	25.40	8	5/8- 11	7.500	6.188	.625	9.000	.375	9.875	11.125	138	126	107	90	115	64	53	45	29.9" @ 400°F	19
5.00	4.000	1.000	.500	14	320	210	324	34.45	8	3/4- 10	8.500	7.313	.750	10.000	.500	11.500	13.000	138	126	107	90	115	64	53	45	29.9" @ 300°F	25
6.00	4.000	1.125	.563	14	289	187	266	50.24	8	3/4- 10	9.500	8.500	.750	11.000	.500	12.500	14.000	138	126	107	90	115	64	53	45	29.9" @ 300°F	30
8.00	6.000	1.125	.563	14	178	218	423	83.49	8	3/4- 10	11.750	10.625	.938	13.500	.500	14.750	16.250	120	110	94	80	100	57	47	38	29.9" @ 125°F	48
10.00	7.000	1.188	.500	14	420	531	857	128.55	12	7/8- 9	14.250	12.750	1.000	16.000	.500	17.500	19.000	82	70	64	52	46	39	34	30	19.0" @ 212°F	60
12.00	7.875	1.188	.625	14	743	542	857	144.72	12	7/8- 9	17.000	15.000	1.000	19.000	.625	20.500	22.000	82	70	64	52	46	40	34	30	10.0" @ 212°F	77
14.00	8.500	1.250	.688	14	239	628	970	233.59	12	1- 8	18.750	16.250	1.188	21.000	1.420	24.172	27.313	82	70	64	52	46	40	34	30	10.0" @ 212°F	132
16.00	9.188	1.375	.750	14	245	571	970	259.68	16	1- 8	21.250	18.500	1.188	23.500	1.420	27.563	31.500	82	70	64	52	46	40	34	30	10.0" @ 212°F	165
18.00	11.063	1.188	.750	14	—	—	1085	321.90	16	1 1/8- 8	22.750	21.000	1.188	25.000	1.420	29.000	32.906	60	58	48	42	36	30	28	26	9.0" @ 212°F	201
20.00	12.875	1.188	1.000	14	—	—	1142	374.57	20	1 1/8- 8	25.000	23.000	1.188	27.500	1.420	31.500	35.438	60	58	48	42	36	30	28	26	6.0" @ 212°F	243
24.00	11.875	1.000	.750	14	—	—	—	538.36	20	1 1/4- 7	29.500	27.250	1.344	32.000	1.420	35.906	39.844	60	58	48	42	36	30	28	26	4.0" @ 212°F	309

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



SERIES TEJ3BD MATERIALS OF CONSTRUCTION		
DESCRIPTION	1" THROUGH 12"	14" THROUGH 24"
BELLOWS	PTFE T-62	PTFE T-62
FLANGES	DUCTILE IRON	ZINC PLATED CARBON STEEL
REINFORCING RINGS	STAINLESS STEEL	STAINLESS STEEL
LIMIT BOLTS	CARBON STEEL	CARBON STEEL
NUTS	CARBON STEEL	CARBON STEEL
GROMMETS	NEOPRENE	NEOPRENE
WASHERS	CARBON STEEL	CARBON STEEL

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STYLE TEJ3E

molded PTFE expansion joints

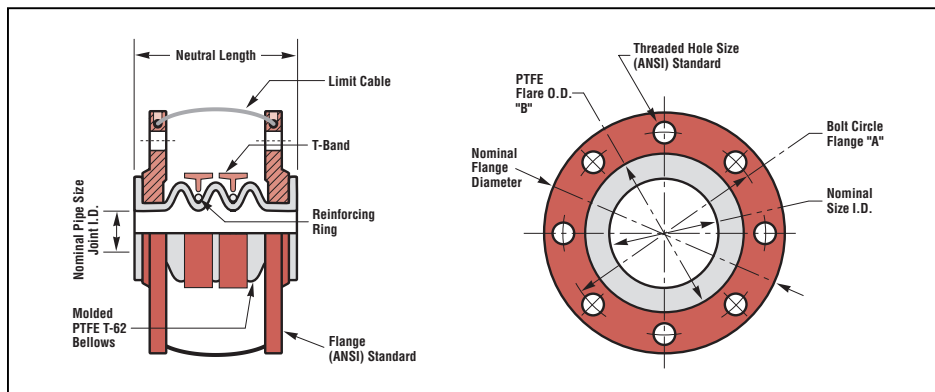
Table 4: Sizes • Movements • Spring Rates • Flange Standards • Temperatures • Vacuum • Weights

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.										
		IN	IN	DEG.	LB _p /IN	LB _p /IN	LB _p /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 TEJ3E MATERIALS OF CONSTRUCTION	
DESCRIPTION	1" THROUGH 8"
BELLOWS	PTFE T-62
FLANGES	DUCTILE IRON
REINFORCING RINGS	STAINLESS STEEL
T-BANDS	CARBON STEEL
LIMIT CABLES	MIL-W-8342

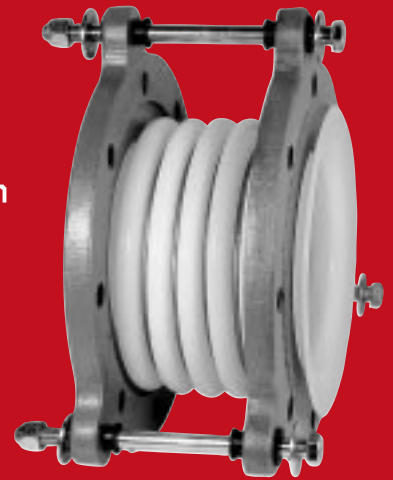
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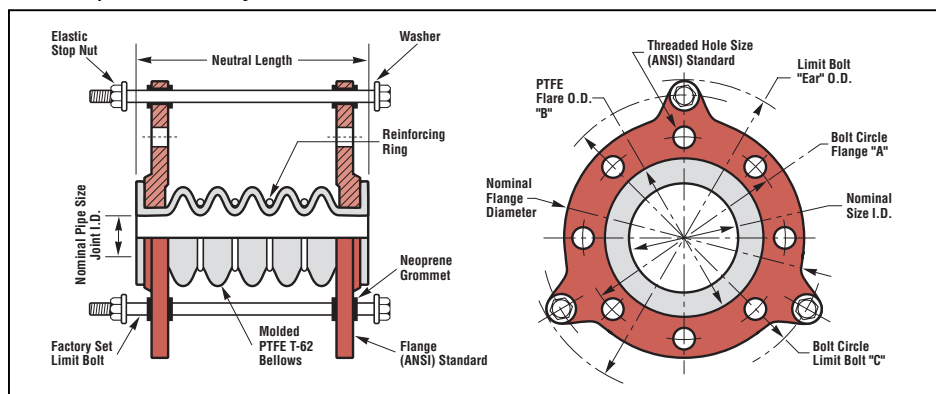
STYLE TEJ5BD

molded PTFE expansion joints

Table 5: 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.	LIMIT BOLT DIAMETER	BOLT CIRCLE LIMIT BOLT "C"											LIMIT BOLT "EAR" O.D.
		IN	IN	DEG.	LB _p /IN	LB _p /IN	LB _p /IN											70°	100°	150°	200°	250°	300°	350°	400°	Hg at Temp.	
1.00	3.000	0.500	.500	20	30	44	22	2.81	4	1/2- 13	3.125	2.000	.313	4.250	.250	5.125	6.000	72	61	46	40	34	29	27	24	NOT DESIGNED	2
1.25	2.670	0.394	.470	20	36	114	171	2.25	4	1/2- 13	3.500	2.520	.394	4.630	.250	5.196	6.850	62	56	42	36	30	26	22	22		5
1.50	3.500	0.750	.500	20	75	83	46	5.09	4	1/2- 13	3.875	2.875	.344	5.000	.250	5.875	6.750	72	61	46	40	34	29	27	24		5
2.00	4.000	1.000	.500	20	60	47	50	9.11	4	5/8- 11	4.750	3.625	.438	6.000	.375	6.875	8.125	72	61	46	40	34	29	27	24	DESIGNED	9
2.50	4.600	0.980	.510	20	116	319	285	10.08	4	5/8- 11	5.500	4.125	.500	7.000	.375	8.125	9.375	62	56	42	36	30	26	22	22		11
3.00	5.000	1.000	.500	20	55	60	170	16.91	4	5/8- 11	6.000	5.000	.500	7.500	.375	8.750	10.000	72	61	46	40	34	29	27	24		14
4.00	5.250	1.250	.625	20	72	60	80	25.40	8	5/8- 11	7.500	6.188	.625	9.000	.375	9.875	11.125	72	61	46	40	34	29	27	24	FOR VACUUM	20
5.00	6.000	1.250	.625	20	140	388	400	32.33	8	3/4- 10	8.500	7.313	.750	10.000	.500	11.500	13.000	62	56	42	36	30	26	22	22		26
6.00	6.000	1.250	.625	20	190	130	195	50.24	8	3/4- 10	9.500	8.500	.750	11.000	.500	12.500	14.000	72	61	46	40	34	29	27	24		31
8.00	8.000	1.250	.625	20	304	388	457	76.07	8	3/4- 10	11.750	10.625	.938	13.500	.500	14.750	16.250	48	42	34	30	26	22	22	22	SERVICE	49
10.00	8.750	1.250	.625	20	458	388	457	128.55	12	7/8- 9	14.250	12.750	1.000	16.000	.500	17.500	19.000	48	42	34	30	26	22	22	22		64
12.00	9.000	1.375	.688	20	529	445	457	144.72	12	7/8- 9	17.000	15.000	1.000	19.000	.625	20.500	22.000	48	42	34	30	26	22	22	22		88
14.00	12.790	1.375	.688	20	203	371	514	233.59	12	1- 8	18.750	16.250	1.188	21.000	1.420	24.172	27.313	48	42	34	30	26	22	22	22	SERVICE	143
16.00	13.500	1.625	1.000	20	180	383	514	259.68	16	1- 8	21.250	18.500	1.188	23.500	1.420	27.563	31.500	48	42	34	30	26	22	22	22		179
20.00	20.470	1.625	1.000	20	185	371	571	374.57	20	1 1/8- 8	25.000	23.000	1.188	27.500	1.420	31.500	35.438	48	42	34	30	26	22	22	22		243

NOTES: 1. Movements are non-concurrent and based from Neutral Length with Limit Bolts installed.
2. Spring Rate Capability is based on 1" of movement at zero pressure conditions.
3. Style 445-BD is not designed for Vacuum Service.



SERIES TEJ5BD MATERIALS OF CONSTRUCTION		
DESCRIPTION	1" THROUGH 12"	14" THROUGH 20"
BELLOWS	PTFE T-62	PTFE T-62
FLANGES	DUCTILE IRON	ZINC PLATED CARBON STEEL
REINFORCING RINGS	STAINLESS STEEL	STAINLESS STEEL
LIMIT BOLTS	CARBON STEEL	CARBON STEEL
NUTS	CARBON STEEL	CARBON STEEL
GROMMETS	NEOPRENE	NEOPRENE
WASHERS	CARBON STEEL	CARBON STEEL

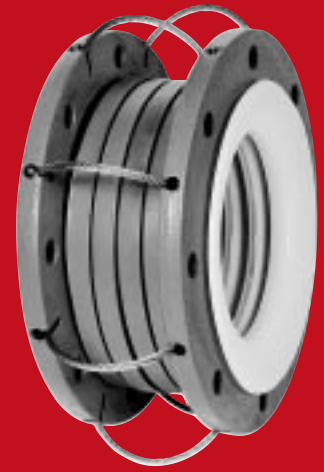
SSB HOSE LTD

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E-mail: sales@ssbhose.com



STYLE TEJ5E

molded PTFE expansion joints

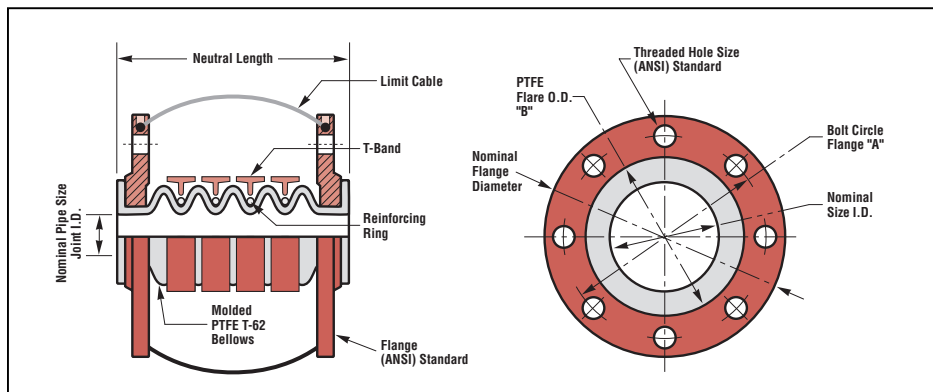
Table 6: Sizes • Movements • Spring Rates • Flange Standards • Temperatures • Vacuum • Weights

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.										
		IN	IN	DEG.	LB _p /IN	LB _p /IN	LB _p /IN								70°	100°	150°	200°	250°	300°	350°	400°	Hg at Temp.	
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 DESIGNED	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		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		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 TEJ5E MATERIALS OF CONSTRUCTION	
DESCRIPTION	1" THROUGH 6"
BELLOWS	PTFE T-62
FLANGES	DUCTILE IRON
REINFORCING RINGS	STAINLESS STEEL
T-BANDS	CARBON STEEL
LIMIT CABLES	MIL-W-8342

E-mail: sales@ssbhose.com



STYLE
TEJ-BE

molded PTFE expansion joints (TEJ-E Neutral Lengths with TEJ-BD Limit Bolts)

Table 7: Sizes • Movements • Spring Rates • Flange Standards • Temperatures • Vacuum • Weights

NOMINAL SIZE I.D.	NEUTRAL LENGTH INCHES	MOVEMENT CAPABILITIES 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.	LIMIT BOLT DIAMETER	BOLT CIRCLE LIMIT BOLT "C"	LIMIT BOLT "EAR" O.D.												
		IN	IN	DEG.	LB _F /IN	LB _F /IN	LB _F /IN																						
		70°	100°	150°	200°	250°	300°	350°	400°	Hg at Temp.																			
Style TEJ2-BE - TEJ2-E Neutral Lengths with TEJ2-BD Limit Bolts																													
1.00	1.750	0.344	.125	7	140	144	120	2.76	4	1/2- 13	3.125	2.000	.438	4.250	.250	5.125	6.000	185	170	148	130	115	100	84	68	29.9" @ 425°F	2		
1.50	1.813	0.344	.125	7	240	200	240	4.60	4	1/2- 13	3.875	2.875	.469	5.000	.250	5.875	6.750	185	170	148	130	115	100	84	68	29.9" @ 425°F	2		
2.00	1.875	0.344	.125	7	430	350	440	7.07	4	5/8- 11	4.750	3.625	.484	6.000	.375	6.875	8.125	185	170	148	130	115	100	84	68	29.9" @ 425°F	7		
3.00	2.188	0.406	.188	7	650	320	350	15.90	4	5/8- 11	6.000	5.000	.578	7.500	.375	8.750	10.000	185	170	148	130	115	100	84	68	29.9" @ 425°F	10		
4.00	2.281	0.438	.250	7	360	280	630	23.75	8	5/8- 11	7.500	6.188	.578	9.000	.375	9.875	11.125	185	170	148	130	115	100	84	68	29.9" @ 400°F	18		
6.00	2.531	0.469	.250	7	460	350	720	50.24	8	3/4- 10	9.500	8.500	.641	11.000	.500	12.500	14.000	185	170	148	130	115	100	84	68	29.9" @ 400°F	29		
8.00	2.750	0.531	.250	7	300	230	800	81.48	8	3/4- 10	11.750	10.625	.688	13.500	.500	14.750	16.250	164	150	129	112	100	87	73	60	29.9" @ 250°F	47		
10.00	2.969	0.563	.250	6	1280	870	1000	108.38	12	7/8- 9	14.250	12.750	0.734	16.000	.500	17.500	19.000	164	150	129	112	100	87	73	60	29.9" @ 250°F	64		
12.00	3.094	0.594	.250	5	380	240	1000	176.63	12	7/8- 9	17.000	15.000	0.813	19.000	.625	20.500	22.000	70	59	48	40	35	30	26	22	29.9" @ 75°F	115		
Style TEJ3-BE - TEJ3-E Neutral Lengths with TEJ3-BD Limit Bolts																													
1.00	2.313	0.500	.250	14	130	130	260	2.81	4	1/2- 13	3.125	2.000	.438	4.250	.250	5.125	6.000	138	126	107	90	76	64	53	45	29.9" @ 400°F	2		
1.50	2.406	0.531	.250	12	80	70	110	5.09	4	1/2- 13	3.875	2.875	.469	5.000	.250	5.875	6.750	138	126	107	90	76	64	53	45	29.9" @ 400°F	4		
2.00	2.500	0.531	.375	12	70	80	160	9.11	4	5/8- 11	4.750	3.625	.484	6.000	.375	6.875	8.125	138	126	107	90	76	64	53	45	29.9" @ 400°F	8		
3.00	2.906	0.625	.500	10	140	160	190	16.91	4	5/8- 11	6.000	5.000	.578	7.500	.375	8.750	10.000	138	126	107	90	76	64	53	45	29.9" @ 400°F	13		
4.00	3.063	0.656	.500	10	220	160	190	25.40	8	5/8- 11	7.500	6.188	.578	9.000	.375	9.875	11.125	138	126	107	90	76	64	53	45	29.9" @ 400°F	19		
6.00	3.375	0.719	.563	9	350	190	540	50.24	8	3/4- 10	9.500	8.500	.641	11.000	.500	12.500	14.000	138	126	107	90	76	64	53	45	29.9" @ 300°F	30		
8.00	3.656	0.781	.563	9	450	170	750	81.48	8	3/4- 10	11.750	10.625	.688	13.500	.500	14.750	16.250	120	110	94	80	67	57	47	38	29.9" @ 125°F	48		
Style TEJ5-BE - TEJ5-E Neutral Lengths with TEJ5-BD Limit Bolts																													
1.00	3.500	0.844	.500	20	50	110	50	2.81	4	1/2- 13	3.125	2.000	.438	4.250	.250	5.125	6.000	72	61	46	40	34	29	27	24	NOT DESIGNED FOR VACUUM SERVICE	2		
1.50	3.625	0.785	.500	20	75	80	50	5.09	4	1/2- 13	3.875	2.875	.469	5.000	.250	5.875	6.750	72	61	46	40	34	29	27	24		5		
2.00	3.750	0.875	.500	15	60	50	50	9.11	4	5/8- 11	4.750	3.625	.484	6.000	.375	6.875	8.125	72	61	46	40	34	29	27	24	9			
3.00	4.375	1.031	.500	17	55	60	170	16.91	4	5/8- 11	6.000	5.000	.578	7.500	.375	8.750	10.000	72	61	46	40	34	29	27	24	14			
4.00	4.563	1.094	.625	15	70	60	80	25.40	8	5/8- 11	7.500	6.188	.578	9.000	.375	9.875	11.125	72	61	46	40	34	29	27	24	20			
6.00	5.031	1.188	.625	15	190	130	195	50.24	8	3/4- 10	9.500	8.500	.641	11.000	.500	12.500	14.000	72	61	46	40	34	29	27	24	31			

NOTES: 1. Movements are non-concurrent and based from Neutral Length with Limit Bolts installed.
2. Spring Rate Capability is based on 1" of movement at zero pressure conditions.
3. Vacuum Rating is based from fully extended position. Style TEJ5-BE is not designed for Vacuum Service.

STYLE NUMBER:	STYLE TEJ-BE MATERIALS OF CONSTRUCTION						
TEJ2-BE — 1" THROUGH 12"	BELLOWS	FLANGES	REINFORCING RINGS	LIMIT BOLTS	NUTS	GROMMETS	WASHERS
TEJ3-BE — 1" THROUGH 8"	PTFE T-62	DUCTILE IRON	STAINLESS STEEL	CARBON STEEL	CARBON STEEL	NEOPRENE	CARBON STEEL
TEJ5-BE — 1" THROUGH 6"							