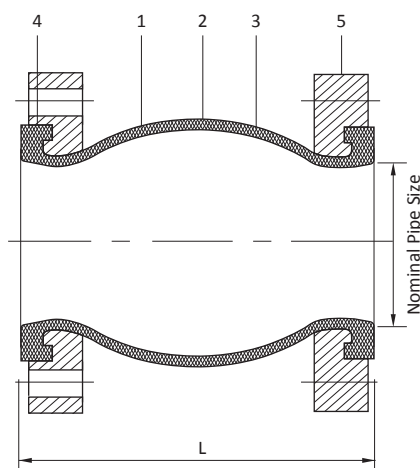


## Single Sphere Expansion Joints



### Parts List & Materials

No.	Parts Name	Materials
1	Cover	EPDM
2	Reinforcing Fabric	Nylon
3	Tube	EPDM
4	Retain Rings	Steel
5	Flange	Carbon Steel

### Features

- Minimal axial dimensions
- Limited weight
- Low warping forces
- High-resistance to work
- High-capacity acoustic damping

### Product Specification

	10	16	25
Working Pressure (bar)	10	16	25
Burst Pressure (bar)	30	48	55
Vacuum (mmHg)	400	650	750

### Main Dimensions

GB										ANSI 150												
DN	NPS	Length L (mm)		No. of Bolt N	Bolt Hole Dia. Center Circle D0 (mm)	Bolt Hole Dia. Center Circle D1 (mm)	Axial Displacement (mm)		Lateral Displacement (mm)	Angle of deflection (a1+a2)	DN	NPS	Length L (mm)		No. of Bolt N	Bolt Hole Dia. Center Circle D0 (mm)	Bolt Hole Dia. Center Circle D1 (mm)	Axial Displacement (mm)		Lateral Displacement (mm)	Angle of deflection (a1+a2)	
		Stretch	Compression				Stretch	Compression														
32	1 1/4"	95		4	17.5	100	6	9	9	15°	25	1"	152	130	14	4	16	79.4	+9.5	-13	±13	±15°
40	1 1/2"	95		4	17.5	110	6	10	9	15°	32	1 1/4"	152	130	16	4	16	89	+9.5	-13	±13	±15°
50	2"	105		4	17.5	125	7	10	10	15°	40	1 1/2"	152	130	16	4	16	98.5	+9.5	-13	±13	±15°
65	2 1/2"	115		4	17.5	145	7	13	11	15°	50	2"	152	130	16	4	19	121	+9.5	-13	±13	±15°
80	3"	135	130	8	17.5	160	8	15	12	15°	65	2 1/2"	152	130	18	4	19	139.5	+9.5	-13	±13	±15°
100	4"	150	135	8	17.5	180	10	19	13	15°	80	3"	152	130	18	4	19	153	+9.5	-13	±13	±15°
125	5"	165	160	8	17.5	210	12	19	14	15°	100	4"	152	130	18	8	19	190	+9.5	-16	±13	±15°
150	6"	180	185	8	22	240	12	20	22	15°	125	5"	152	130	20	8	22.5	216	+9.5	-16	±13	±15°
200	8"	190	200	8	22	295	16	25	22	15°	150	6"	152	130	22	8	22.5	242	+9.5	-16	±13	±15°
250	10"	230	240	12	22	350	16	25	22	15°	200	8"	152	130	22	8	22.5	298	+9.5	-16	±13	±15°
300	12"	245	260	12	22	400	16	25	22	15°	250	10"	152	130	24	12	25.5	362	+13	-16	±13	±15°
350	14"	265		16	26	460	16	25	22	15°	300	12"	203	130	24	12	25.5	432	+13	-19	±19	±15°
400	16"	265		16	26	515	16	25	22	15°	350	14"	203	200	26	12	28.5	476	+13	-19	±19	±15°
450	18"	265		20	26	565	16	25	22	15°	400	16"	203	200	28	16	28.5	540	+13	-19	±19	±15°
500	20"	265		20	30	620	16	25	22	15°	450	18"	203	200	30	16	32	578	+13	-19	±19	±15°
600	24"	265		20	26	725	16	25	22	15°	500	20"	203	200	30	20	32	34	+13	-19	±19	±15°
700	28"	260		24	30	810	16	25	22	10°	600	24"	254	260	32	20	35	749.5	+13	-19	±19	±15°
800	32"	260		24	30	920	16	25	22	10°	800	32"	254	260	36	24	30	920	+13	-19	±19	±15°
900	36"	260		24	30	1020	16	25	22	10°												
1000	40"	260		28	30	1120	16	25	22	10°												