



### MATERIALS

Symbol	Parts Name	Material
1	Body (Outer Layer)	Special Synthetic Rubber
2	Body (Inner Layer)	Special Synthetic Rubber
3	Reinforcing Fabric	Nylon Fabric
4	Wire	Hard Steel Wire
5	Flange	Mild Steel (Galv'd)

### DIMENSIONS AND ALLOWABLE MOVEMENTS (inch)

Nominal Size		Neutral Length L	Allowable Movements in Operation				Max. Operating Pressure
mm	inch		A.C.	A.E.	L.D.	A.D.	
350	14"	10 <sup>1/2</sup>	1	5/8	3/4	15°	145
400	16"	10 <sup>1/2</sup>	1	5/8	3/4	15°	145
450	18"	8	3/4	1/2	3/4	15°	145
500	20"	8	3/4	1/2	3/4	15°	145
600	24"	10	3/4	1/2	3/4	15°	145
700	28"	10	3/4	1/2	3/4	10°	115
750	30"	10	3/4	1/2	3/4	10°	115
800	32"	10	3/4	1/2	3/4	8°	115
900	36"	10	3/4	1/2	3/4	8°	115
1000	40"	12	3/4	1/2	3/4	8°	85
1100	44"	12	3/4	1/2	3/4	6°	85
1200	48"	12	3/4	1/2	3/4	6°	85

A.C.=Axial Compression    A.E.=Axial Elongation    L.D.=Lateral Deflection    A.M.=Angular Deflection

### OPERATING CONDITIONS

- ✦ Operating Pressure: See Table Above
- ✦ Operating Temperature: 14° to 176°F
- ✦ Vacuum Rating: 27" / Hg
- ✦ Applicable Fluids: Water, Warm Water, Sea Water, Air & Weak Acid
- ✦ Flange Standard: DIN, ANSI, JIS & BS

### Operating Temperature against Operating Pressure

Operating Temperature °F	Ambient	122	140	158	176
Maximum Operating Pressure (psi)	145	108	90	72	58
	115	86	72	57	46
	85	64	53	42	34

### NOTES

- ✦ Higher temperatures affect movement and pressure. As temperature increases, rated values must be reduced accordingly.
- ✦ Pressures shown are recommended "operating", test pressure is 1.5 times "operating".
- ✦ Vacuum rating is based on neutral installed length without external load. Products shall not be installed "elongated" on vacuum applications.
- ✦ Expansion joints may operate in pipelines or equipments carrying fluids at evaluated temperatures and pressures. Normal precautions shall be taken to make sure these parts are installed correctly and inspected regularly. Precautions shall be taken to protect personnel in the event of leakage or splash.
- ✦ For other kinds of applicable fluids, except the above, to which the rubber joint becomes applicable, please kindly consult your supplier or manufacturer.

