



### 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	Union Flange	Malleable Iron (Galv'd)
5	Union Nut	Malleable Iron (Galv'd)
6	Union Screw	Malleable Iron (Galv'd)

### DIMENSIONS AND ALLOWABLE MOVEMENTS (inch)

Nominal Size		Neutral Length L	Allowable Movements in Operation			
mm	inch		A.C.	A.E.	L.D.	A.D.
20	3/4"	8	7/8	1/4	7/8	30°
25	1"	8	7/8	1/4	7/8	30°
32	1-1/4"	8	7/8	1/4	7/8	30°
40	1-1/2"	8	7/8	1/4	7/8	30°
50	2"	8	7/8	1/4	7/8	20°
65	2-1/2"	8	7/8	1/4	7/8	15°
80	3"	8	7/8	1/4	7/8	15°

A.C.=Axial Compression

A.E.=Axial Elongation

L.D.=Lateral Deflection

A.M.=Angular Deflection

### OPERATING CONDITIONS

- Operating Pressure: 150 psi / 16 Bar
- Operating Temperature: 14° to 176°F
- Vacuum Rating: 20" / Hg
- Applicable Fluids: Water, Warm Water, Sea Water, Air & Weak Acid
- Union: NPT & BSP Threaded

### Operating Temperature against Operating Pressure

Operating Temperature °F	Ambient	122	140	158	178
Maximum Operating Pressure (psi)	150	112	93	75	60
Maximum Operating Pressure (Bar)	16.0	9.6	7.5	6.2	5.0

### 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.

