



Parts		Test			
1	Main body	Polarized Rubber	Working pressure	1.5Mpa	
2	Lining	Nylon Cord Fabric	Bursting pressure	4.5Mpa	
3	Frame	Hard Steel Wire	Vacuity	86.7Kpa, 750 mmHg	
4	Flange	Mild Steel	Max. Temp	70 °C	

### 1. Single sphere

Size				Axial	Axial	Transverse	Angular
DN	L	D	F	compression	elongation	movement	Deflection
40	95	40	69	8%	4%	8%	15°
50	105	52	86	8%	5%	8%	15°
65	115	68	106	12%	6%	10%	15°
80	130	76	116	12%	6%	10%	15°
100	135	103	150	18%	10%	12%	15°
125	170	128	180	18%	10%	12%	15°
150	180	152	209	18%	10%	12%	15°
200	205	194	260	25%	14%	22%	15°
250	240	250	320	25%	14%	22%	15°
300	260	300	367	25%	14%	22%	15°

### 2. Double sphere

Size				Axial	Axial	Transverse	Angular
DN	L	D	F	compression	elongation	movement	Deflection
40	175	40	69	25%	19%	25%	39°
50	175	52	86	25%	19%	25%	30°
65	175	68	106	25%	19%	25%	30°
80	175	76	116	25%	19%	25%	30°
100	225	103	150	32%	25%	32%	30°
125	225	128	180	32%	25%	32%	30°
150	225	152	209	32%	25%	32%	30°
200	325	194	260	35%	25%	35%	30°
250	325	250	320	35%	25%	35%	30°
300	325	300	367	35%	25%	35%	30°

### 3. Twin sphere union

Size			Axial	Axial	Transverse	Angular
DN	L	Installed length	compression	elongation	movement	Deflection
20	165	150~169	22%	6%	22%	45°
25	172	155~175	22%	6%	22%	45°
32	176	160~179	22%	6%	22%	45°
40	182	165~185	22%	6%	22%	45°
50	212	196~215	22%	6%	22%	45°
65	224	207~227	22%	6%	22%	45°
80	226	209~229	22%	6%	22%	45°

Note: The dimension of "L" and dimension for flange can be changed to be suitable for the buyer's requirement.

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