

# RUBBER EXPANSION JOINTS, SINGLE SPHERE BELLOWS



## DESCRIPTION

Uni-Flo Single Sphere expansion joints are designed to absorb vibration and shock in pipelines. They are also designed to compensate for misalignment which may occur between pipe joints, and to allow for thermal expansion.

## DIMENSIONS

DN	(L) INSTALLED LENGTH (MM)		ALLOWABLE MOVEMENTS FROM NEUTRAL				
	Natural Length	Minimum Installed	Maximum Installed	Axial Compression	Axial Extension	Lateral Deflection	Angular Deflection
32	95	89 - 97		9	6	9	15°
40	95	89 - 97		10	6	9	15°
50	105	99 - 107		10	7	10	15°
65	115	107 - 118		13	7	12	15°
80	135	122 - 133		15	8	12	15°
100	135	122 - 140		19	10	13	15°
125	165	156 - 175		19	12	13	15°
150	180	167 - 185		20	12	14	15°
200	205	186 - 212		25	16	22	15°
250	240	221 - 247		25	16	22	15°
300	260	241 - 267		25	16	22	15°
350	265	246 - 273		25	16	22	15°
400	265	246 - 273		25	16	22	15°
450	265	246 - 273		25	16	22	15°
500	265	246 - 273		25	16	22	15°

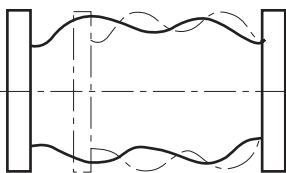
## PRESSURE RATING

DN 32 - DN 300: 16 Bar

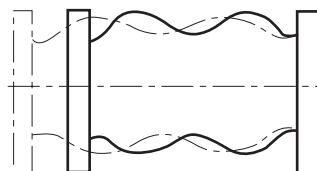
DN 350 - DN 600: 10 Bar

## MATERIALS LIST

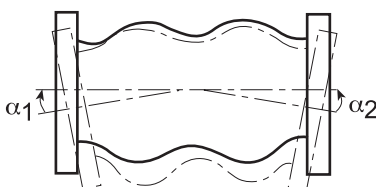
NO.	PART	MATERIAL
1	Body	EPDM
2	Lining	Nylon fabric
3	Frame	Hard steel wire
4	Flange	Galvanized Carbon Steel



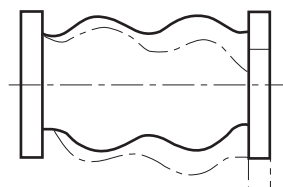
Axial Compression



Axial Stretch



Angle Of Deflection



Lateral Displacement

