

SINGLE SPHERE RUBBER FLEXIBLE JOINT

PN 16

Fig No.: F83SJ-I



GENERAL

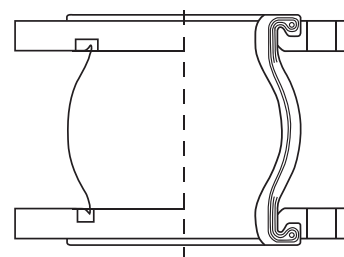
- Absorbs and reduces vibration and shock in the system
- Absorbs the stress generated by the expansion and compression of the pipe line
- Provides flexibility to the system as allowance connection and installation error
- Excellent resistance against pressure

FEATURES

- Molded and vulcanised in hydraulic presses
- Solid carbon steel internal reinforcing ring
- With BS 4504 PN16 / EN 1092-2 PN16 / ANSI CLASS 150 floating flanges (Specify on order)

APPLICATIONS

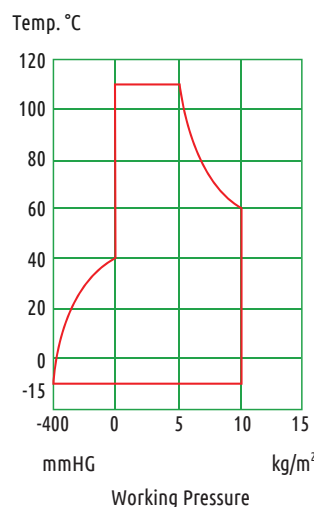
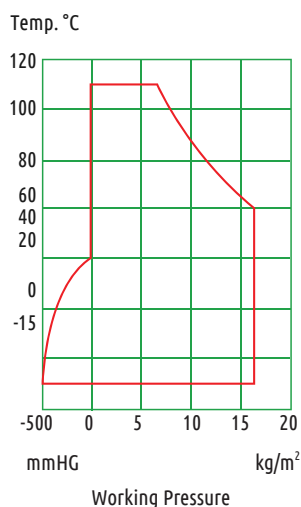
- Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, Sewerage & Water Treatment, Marine Services, General Industries
- Suitable for suction and discharge within specify working pressure

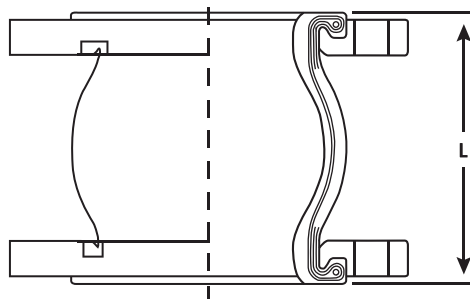


MATERIAL SPECIFICATIONS

Part	Material
Flanges	Ductile Iron (DN25 ... DN300) Carbon Steel (DN350 ... DN600)
Reinforcing Ring	Carbon Steel
Inner Rubber	EPDM
Outer Rubber	EPDM
Reinforcing Cord	Nylon
Control Rod	Mild Steel

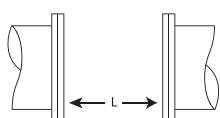
OPERATING PRESSURE & TEMPERATURE



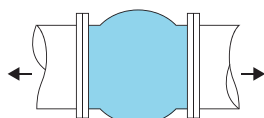


DIMENSIONS AND MOVEMENTS

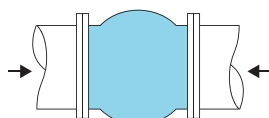
Diameter		Dimension	Pre-Gap	Allowable Movements(mm)			
mm	inch	L(mm)	L(mm)	Axial Elongation (mm)	Axial Compression (mm)	Lateral Displacement (mm)	Angle of Deflection (°)
25	1	95	90-100	6	9	9	15
32	1¼	95	90-100	6	10	9	15
40	1½	95	90-100	6	10	9	15
50	2	105	100-110	7	10	10	15
65	2½	115	110-120	8	13	12	15
80	3	130	125-135	8	15	12	15
100	4	150	130-140	8	15	12	15
125	5	170	165-175	12	19	15	15
150	6	180	175-185	12	20	15	10
200	8	195	190-200	12	20	22	10
250	10	230	225-235	16	28	22	10
300	12	245	240-250	16	28	25	10
350	14	200	260-270	16	28	25	10
400	16	200	260-270	16	28	25	10
450	18	200	260-270	16	28	25	10
500	20	200	260-270	16	28	25	10
600	24	265	260-270	16	28	25	10



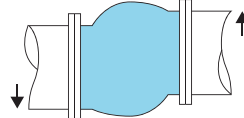
Pre-Gap



Axial Elongation



Axial Compression



Lateral Displacement



Angular Movement

SINGLE SPHERE RUBBER FLEXIBLE JOINT

PN 25

Fig No.: F83SJ-I

GENERAL

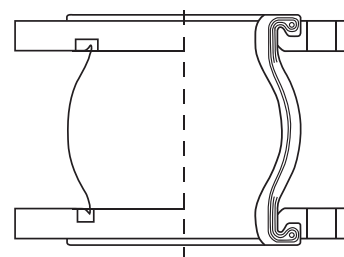
- Absorbs and reduces vibration and shock in the system
- Absorbs the stress generated by the expansion and compression of the pipe line
- Provides flexibility to the system as allowance connection and installation error
- Excellent resistance against pressure

FEATURES

- Molded and vulcanised in hydraulic presses
- Solid carbon steel internal reinforcing ring
- With BS 4504 PN25 / EN 1092-2 PN25 / ANSI CLASS 150 floating flanges (Specify on order)

APPLICATIONS

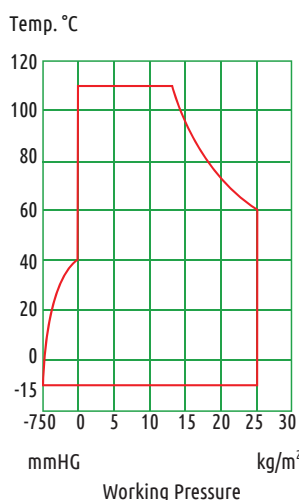
- Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, Sewerage & Water Treatment, Marine Services, General Industries
- Suitable for suction and discharge within specify working pressure



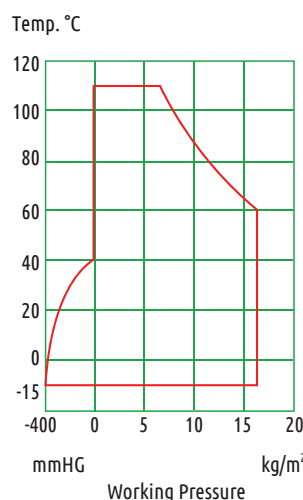
MATERIAL SPECIFICATIONS

Part	Material
Flanges	Carbon Steel
Reinforcing Ring	Carbon Steel
Inner Rubber	EPDM
Outer Rubber	EPDM
Reinforcing	Nylon
Control Rod	Mild Steel

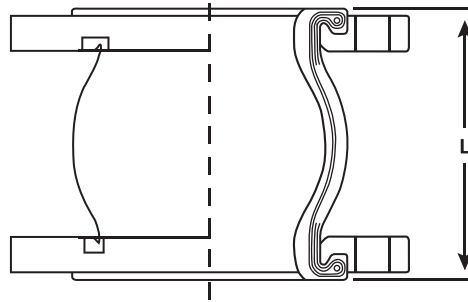
OPERATING PRESSURE & TEMPERATURE



F83SJ-I + Control Rod
DN25 ... DN300
Burst Pressure 60bar

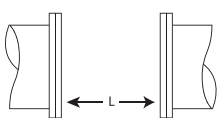


F83SJ-I + Control Rod
DN350 ... DN600
Burst Pressure 48bar

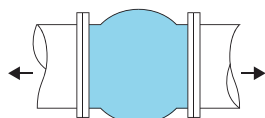


DIMENSIONS AND MOVEMENTS

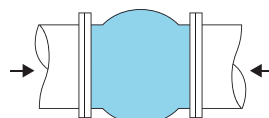
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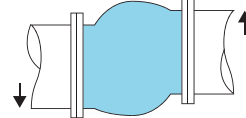
Pre-Gap



Axial Elongation



Axial Compression



Lateral Displacement



Angular Movement