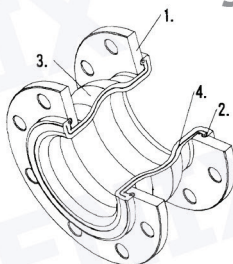


FLEXIBLE RUBBER JOINT

Single-Sphere

Model : FR-01



Materials

NO.	Partname	Material
1	Flange	Mild Steel / Stainless steel
2	Wire	Carbon steel wire
3	Elastomer	EPDM / NBR
4	Reinforcing Fabric	Nylon cord fabric

Size I.D.	1"-12"	14"-24"
Working pressure	300 PSI	150 PSI
Burst pressure	854 PSI	342 PSI
Vacuum Rating	650 mm/Hg	
Temperature	-20°C to 100°C / -23°C to 90°C	

*Optional Material Flange : Stainless steel

ALLOWABLE MOVEMENTS

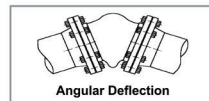
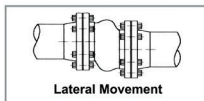
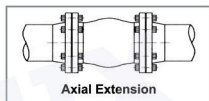
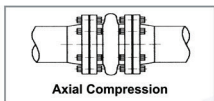


Table of Main Parameters of Normal Core Diameter, Length, Displacement Value

Normal core diameter DN		Length (L) (mm.)			Axial displacement						Lateral (mm)			Angular
(mm)	(in.)	J	A	G	Compression (mm)			Extension (mm)			J	A	G	
25	(1)	95	152.4	130	8	12.7	12	4	9.52	9	8	12.7	12	15°
32	(1.1/4)	95	152.4	130	8	12.7	12	4	9.52	9	8	12.7	12	15°
40	(1.1/2)	95	152.4	130	8	12.7	12	4	9.52	9	8	12.7	12	15°
50	(2)	105	152.4	130	8	12.7	12	5	9.52	9	8	12.7	12	15°
65	(2.1/2)	115	152.4	130	12	12.7	12	6	9.52	9	10	12.7	12	15°
80	(3)	130	152.4	130	12	15.87	12	6	9.52	9	10	12.7	12	15°
100	(4)	135	152.4	130	18	15.87	14	10	9.52	9	12	12.7	14	15°
125	(5)	170	152.4	130	18	15.87	14	10	9.52	9	12	12.7	14	15°
150	(6)	180	152.4	130	18	15.87	14	10	9.52	9	12	12.7	14	15°
200	(8)	205	152.4	130	25	15.87	14	14	9.52	9	22	12.7	14	15°
250	(10)	240	203.2	130	25	15.87	14	14	12.7	9	22	19.05	14	15°
300	(12)	260	203.2	130	25	19.05	16	14	12.7	9	22	19.05	16	15°
350	(14)	265	203.2	-	25	19.05	-	16	12.7	-	22	19.05	-	15°
400	(16)	265	203.2	-	25	19.05	-	16	12.7	-	22	19.05	-	15°
450	(18)	265	203.2	-	25	19.05	-	16	12.7	-	22	19.05	-	15°
500	(20)	265	203.2	-	25	19.05	-	16	12.7	-	22	19.05	-	15°
600	(24)	254	254	-	19	19.05	-	13	12.7	-	19	19.05	-	15°

** J = JAPANESE STANDARD, A = AMERICAN STANDARD, G = GERMAN STANDARD

NOTE :

- Standard material is EPDM. The products are not applicable to oil. Other kinds of rubber material are optional.
- Standard rated working pressure are 16 bars and 20 bars (up to 300 mm.) to 10 bars (for larger size than 300 mm.)
- Applicable fluids : Air, Compressed air, water, sea water, hot water, weak acid, alkalis, etc.
- Flange drilling : JIS, DIN, ANSI, BS and other standard drilling for your specification.