

Company:

Metal & Rubber Co., Ltd. (MR FLEX)

Address:

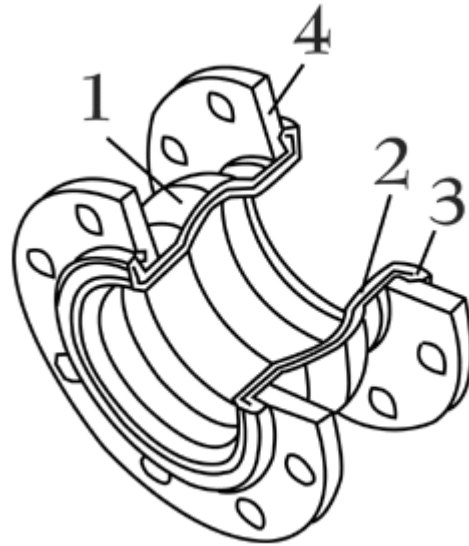
2F, No372, Tayeh Road, Peitou-112, Taipei, Taiwan

Flexible Metal & Rubber Compensators, Flange

Product Information



Series 101 single sphere with flange:



Series 101 Single-Sphere Connectors

Structure

Item No	Part	Material
1	Body	CR, EPDM, IIR, NBR, CSM, VITON
2	Reinforce	Nylon Cord Fabric
3	Wire	Hard Steel Wire
4	Floating Flange	Mild Steel Zinc Plated RST 37-2

Flanges drilling: Available ANSI B 16.5, DIN 2501, JIS B 2210, BS 4504, AS 2129, ISO 7005, etc. and other standard drilling for your specifications.

Features

- 1, Four way greater movements provide high level of installation flexibility.
- 2, Precision molded of synthetic rubber reinforced with nylon tire cord.
- 3, Excellent ability to absorb vibration and sound, withstand high pressure.
- 4, Withstand chemical corrosion, to resist acid and ozone attack.

Application

Color Code	Tube In Material	Cover out Material	Application
Blue	Neoprene	Neoprene	Excellent Aging resistance, for alkaline and acid salt solutions and aldehydes.
Red	EPDM	EPDM	Higher temp. Ozone resistance, good resilience, bends easier in lower temp, but not suitable oils.
Black	Butyl	Butyl	Lower impermeable; offer ozone, weather, abrasion, chemical resistance.
Yellow	Nitrile	Neoprene	Recommend for oils, greases, petrol, fats, glycol, alcohols, ethers and gas.
White	Nitrile	Nitrile	For drinking water or food grade white color quality up to 150 psi/10 bar at 158 ° F/70 ° C
Green	Hypalon	Hypalon	Ozone resistance sunlight stable, for strong acids, alkalis and chemicals.

Specification

Nominal Diameter	Face to Face	Temp. (° C)	Travel mm Total Com-pressed Extended	Allowable Movement (mm)				Pressure		
				Axial Com-Pression	Axial Extension	Lateral Deflection	Angular Deflection	Positive at 80° C PSIG/BAR	Vacuum mm Hg	
Inch	mm	Inch	Min-Max	Extended	Pression	Extension	Deflection	Deflection	at 80° C	mm Hg
1-1/4"	32	6	- 30 - 110	140-162	20	12	14	15°	225(16)	660
1-1/2"	40	6	- 30 - 110	140-162	20	12	14	15°	225(16)	660
2"	50	6	- 30 - 110	140-162	20	12	14	15°	225(16)	660
2-1/2"	65	6	- 30 - 110	140-162	20	12	14	15°	225(16)	660
3"	80	6	- 30 - 110	140-162	20	12	14	15°	225(16)	660
4"	100	6	- 30 - 110	133-165	20	12	14	15°	225(16)	660
5"	125	6	- 30 - 110	133-165	20	12	14	15°	225(16)	660
6"	150	6	- 30 - 110	133-165	20	12	14	15°	225(16)	660
8"	200	6	- 30 - 110	133-165	25	12	22	15°	225(16)	660
10"	250	8	- 30 - 110	178-219	25	16	22	15°	225(16)	660
12"	300	8	- 30 - 110	178-219	25	16	22	15°	225(16)	660
14"	350	8	- 30 - 110	178-219	25	16	22	15°	150 (10)	660
16"	400	8	- 30 - 110	178-219	25	16	22	15°	150 (10)	660
18"	450	8	- 30 - 110	178-219	25	16	22	15°	150 (10)	660
20"	500	8	- 30 - 110	178-219	25	16	22	15°	150 (10)	660

Operation Conditions

1" to 12" Burst Pressure : 60 Kg/cm², working pressure: 16 kg/cm²
 14" to 20" Burst Pressure : 40 kg/cm², working pressure: 10 kg/cm²

