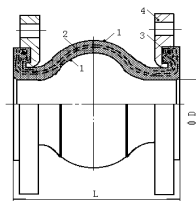


Style 115 Single-Sphere Connectors

Structure

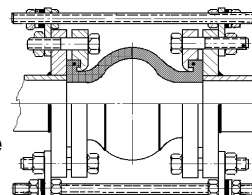
Item No	Part	Material
1	Body	CR, EPDM, IIR, NBR, CSM, VITON
2	Reinforce	Nylon Cord Fabric
3	Wire	Hard Steel Wire
4	Floating Flange	Mild Steel Zinc Plated RST 37-2
5	Spiral RING	SUS 304



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 cord.
- 3, Excellent ability to absorb vibration and sound, withstand high pressure
- 4, Withstand chemical corrosion, to resist acid and ozone attack.
- 5, Easy to install, use floating flanges.



Application

Colour 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. good ozone resistance, resilience, bend easier lower temp, but not suitable for
Black	Butyl	Butyl	Lower impermeable; resistance offer to ozone, weather, abrasion, chemical.
Yellow	Nitrile	Neoprene	Recommend for oils, greases, petrol, fats, glycols, alcohols, ethers and gas.
White	Nitrile	Nitrile	For drinking water or food grade white color quality up to 150 psi/10bar at 158F/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	Allowable Movement (mm)				Pressures		
				Total Compressed	Compression	Extension	Lateral Deflection	Angular Deflection	Positive PSIG(BAR)	Negative* Vacuum
Inch	mm	mm	Min-Max	Extended	mm	mm	mm	mm	at 80 °C	mm
1"	25	130	-30-110	113-135	13	10	13	37	225(16)	660
1-1/4"	32	130	-30-110	113-135	13	10	13	31	225(16)	660
1-1/2"	40	130	-30-110	113-135	13	10	13	27	225(16)	660
2"	50	130	-30-110	113-135	10	10	13	20	225(16)	660
2-1/2"	65	130	-30-110	113-135	13	10	13	17	225(16)	660
3"	80	130	-30-110	113-135	13	10	13	14	225(16)	660
4"	100	130	-30-110	113-135	19	13	13	14	225(16)	660
5"	125	130	-30-110	113-135	19	13	13	11	225(16)	660
6"	150	130	-30-110	113-135	19	13	13	9	225(16)	660
8"	200	130	-30-110	113-135	19	13	13	7	225(16)	660
10"	250	130	-30-110	113-135	25	16	19	7	225(16)	660
12"	300	130	-30-110	113-135	25	16	19	6	225(16)	660

Operation Conditions

Size	Working Pressure	Burst Pressure	NOTES
1-1/4" - 6"	16 kg/cm ²	60 kg/cm ²	
8" - 12"	16 kg/cm ²	60 kg/cm ²	suggest tie rod installed
8" - 12"	16 kg/cm ²	50 kg/cm ²	tie rod installed request

*: For vacuum applications, please contact sales for professional advice.

Pressure rating is valid if and only if vacuum ring is utilized.