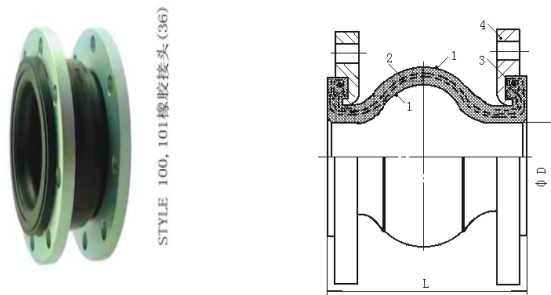


Style 101 Single-Sphere Connectors

Structure

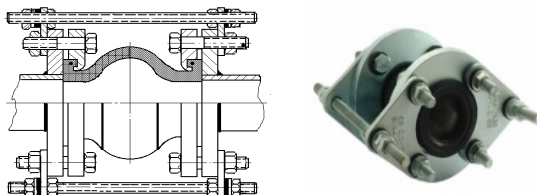
Item No	Part	Material
1	Body	CR, EPDM, IIR, NBR, CSM, VITON
2	Reinforce	Nylon Cord Fabric
3	Wire	Hard Steel Wire
4	Floating Flange	Mild Steel Zinc Plated RST 37-2

Flanges drilling: Available ANSI B 16.5, DIN 2501, JIS B 2210, BS 4504, AS 2129, ISO 7005, etc. and welcome 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 oils.
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	
					Axial	Axial	Lateral	Angular	Positive PSIG/BAR	Negative* Vacuum
Inch	mm	Inch	Min-Max	Total Compressed Extended	Compression	Extension	Deflection	Deflection	at 80 °C	mm
1-1/4"	32	6	-30-110	140-162	20	15	17	31	150(10)	660
1-1/2"	40	6	-30-110	140-162	20	15	17	30	150(10)	660
2"	50	6	-30-110	140-162	25	17	17	25	150(10)	660
2-1/2"	65	6	-30-110	140-162	25	17	17	20	150(10)	660
3"	80	6	-30-110	140-162	25	17	20	20	150(10)	660
4"	100	6	-30-110	133-165	25	17	20	20	150(10)	660
5"	125	6	-30-110	133-165	25	17	20	15	150(10)	660
6"	150	6	-30-110	133-165	25	17	20	15	150(10)	660
8"	200	6	-30-110	133-165	25	17	20	15	150(10)	660
10"	250	8	-30-110	178-219	30	20	25	10	150(10)	660
12"	300	8	-30-110	178-219	30	20	25	8	150(10)	660
14"	350	8	-30-110	178-219	30	20	25	8	150(10)	660
16"	400	8	-30-110	178-219	30	20	25	6	150(10)	660
18"	450	8	-30-110	178-219	30	20	25	6	150(10)	660
20"	500	8	-30-110	178-219	30	20	25	5	150(10)	660

Operation Conditions

Size	Working Pressure	Burst Pressure	NOTES
1-1/4" - 6"	10 kg/cm ²	60 kg/cm ²	
8" - 12"	16 kg/cm ²	50 kg/cm ²	suggest tie rod installed
14" - 20"	8 kg/cm ²	32 kg/cm ²	suggest tie rod installed

*: For vacuum applications, please contact sales for professional advice.
Pressure rating is valid if and only if vacuum ring is utilized.