

# Style 120 Double-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	Ring	Malleable Iron

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 oils.
Black	Butyl	Butyl	Lower impermeable; resistance offer ozone, weather, abrasion, chemical.
Yellow	Nitrile	Neoprene	Recommend for oils, greases, petrol, fats, glycos, 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)				Pressure	
Inch	mm	mm/Inch	Min-Max	Total Compressed Extended	Axial Compression	Axial Extension	Lateral Deflection	Angular Deflection	Positive P.S.I.G at 80 ° C	Negative Vacuum mm Hg
1-1/4"	32	175/7	-30-110	125-205	53	27	45	40	225(16)	400
1-1/2"	40	175/7	-30-110	125-205	53	27	45	40	225(16)	400
2"	50	175/7	-30-110	125-205	53	27	45	40	225(16)	400
2-1/2"	65	175/7	-30-110	125-205	53	27	45	40	225(16)	400
3"	80	175/7	-30-110	125-205	53	27	45	40	225(16)	400
4"	100	225/9	-30-110	175-260	53	31	40	35	225(16)	400
5"	125	225/9	-30-110	175-260	53	31	40	35	225(16)	400
6"	150	225/9	-30-110	175-260	53	31	40	35	225(16)	400
8"	200	325/13	-30-110	265-360	65	30	35	30	225(16)	400
10"	250	325/13	-30-110	265-360	65	30	35	30	225(16)	400
12"	300	325/13	-30-110	265-360	65	30	35	30	225(16)	400
14"	350	350/14	-30-110	265-360	38	28	28	20	150(10)	400
16"	400	350/14	-30-110	265-360	38	28	28	20	150(10)	400
18"	450	350/14	-30-110	265-360	38	28	28	20	150(10)	400
20"	500	350/14	-30-110	265-360	38	28	28	20	150(10)	400

## Operation Conditions

1-1/4" to 12" Burst Pressure: 60 kg/cm<sup>2</sup>, Working Pressure: 16 kg/cm<sup>2</sup>

14" to 20" Burst Pressure: 40 kg/cm<sup>2</sup>, Working Pressure: 10 kg/cm<sup>2</sup>



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