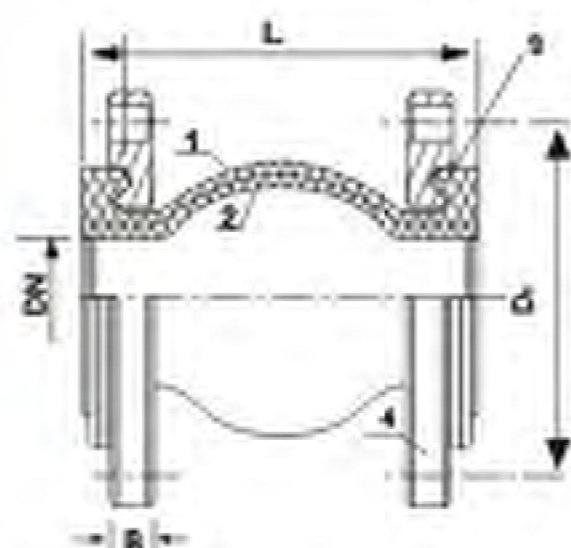
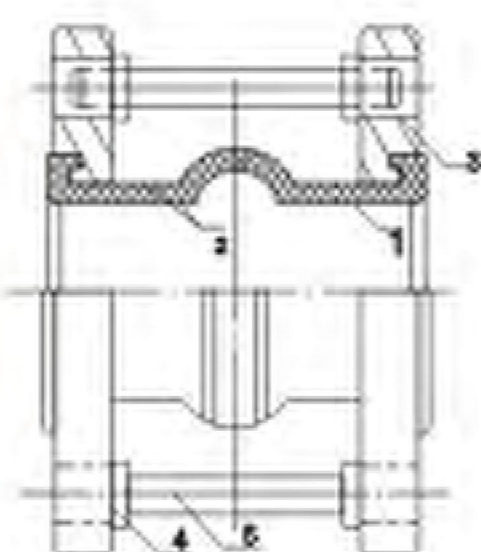


JZH1 ~ SINGLE SPHERE RUBBER FLEXIBLE CONNECTOR

JZH1-N single sphere connector with floating flanges

JZH1-W single sphere connector with restrained flanges


1. Outer rubber layer: heat resistant rubber
2. Inner rubber layer: Nylon tire cord
3. Reinforcement: steel wire
4. Flange: mild steel
5. Restrained rod: mild steel.



Flanges are available with BS, DIN, JIS, ANSI and other standard drillings.

Application

Rubber flexible connectors serve three primary functions in piping systems, to accept all directional movements, minimizing pipe stresses and compensate thermal expansion and contraction. Rubber flexible connector integrates the functions of expansion joint, flexible connector and vibration isolator into one. As expansion joints, they compensate for pipe thermal movement, eliminating the need for expansion loops which require additional material and space. As flexible connectors, the flexibility of the EPDM carcass makes them ideal flexible connectors for handling minor misalignment and offset problems. As flexible connectors, they protect piping system against harmful "start-up" and surge forces.

Rubber flexible connectors are used on both hot and chilled water circulation lines, suction and discharge sides of chiller, pumps, cooling towers, etc.

Rubber flexible connector series have four types: single sphere floating flanges, single sphere restrained flanges, twin sphere floating flanges, and twin sphere restrained flanges. Twin sphere type offers more offset to misalignment and thermal movement, more elimination to vibration and noise transmission. Restrained type offers extra protection to connectors.

Operation conditions

Conditions	Model	JZH-(I)	JZH-(II)	JZH-(III)	JZH-(IV)	JZH-(V)
Operating Pressure Mpa (Bar)		2.5(25)	2.0(20)	1.6(16)	1.0(10)	0.6(6)
Burst Pressure Mpa (Bar)		7.5(75)	6.0(60)	4.8(48)	3.0(30)	1.8(18)
Vacuum Rating Kpa (mmHg)		120(900)	100(750)	100(750)	86.7(650)	53.3(400)
Applicable Temperature		-20°C ~ +115°C				
Applicable Fluid		Cold water, hot water, seawater, weak acids, alkalies, compressed air, etc.				
Both ends can be deflected freely to allow axial and radial deflection.						

Allowable movements in operation

Model	Size (DN)		Length (mm)	Axial Movement		Transverse Movement (mm)	Angular Deflection α1+α2
	SI (mm)	IP (in)		Elongation (mm)	Compression (mm)		
JZH-25	25	1	95	6	9	9	15°
JZH-32	32	1(1/4)	95	6	9	9	15°
JZH-40	40	1(1/2)	95	6	10	9	15°
JZH-50	50	2	105	7	10	10	15°
JZH-65	65	2(1/2)	115	7	13	11	15°
JZH-80	80	3	135	8	15	12	15°
JZH-100	100	4	150	10	19	13	15°
JZH-125	125	5	165	12	19	13	15°
JZH-150	150	6	180	12	20	14	15°
JZH-200	200	8	190	16	25	22	10°
JZH-250	250	10	230	18	25	22	10°

Model	Size (DN)		Length (mm)	Axial Movement		Transverse Movement (mm)	Angular Deflection α1+α2
	SI (mm)	IP (in)		Elongation (mm)	Compression (mm)		
JZH-300	300	12	245	16	25	22	10°
JZH-350	350	14	255	16	25	22	10°
JZH-400	400	16	255	16	25	22	10°
JZH-450	450	18	255	16	25	22	10°
JZH-500	500	20	255	16	25	22	5°
JZH-600	600	24	260	16	25	22	5°
JZH-700	700	28	260	16	25	22	5°
JZH-800	800	32	260	16	25	22	5°
JZH-900	900	36	260	16	25	22	5°
JZH-1000	1000	40	260	16	25	22	5°
JZH-1200	1200	48	260	16	25	22	5°