

## JBY STAINLESS STEEL BRAIDED FLEXIBLE CONNECTOR



Item	Part Name	Material
1	Welded Flange	Mild steel (standard), SS 304, 316L(optional)
2	Wire Braid	SS 304 (standard), SS 316L (optional)
3	Flexible Tube	SS 304 (standard), SS 316L (optional)

### Application

JBY Flexible Connectors prevent stresses due to thermal expansion and contraction, isolate against transmission of pipe wall propagated vibration and noise, and compensate for misalignment to prevent pipe fatigue and reduce equipment connection stress.

JBY Connectors are highly effective for reducing objectionable noise and vibration in piping systems connected to chillers, pumps, compressors and similar pulsating equipments. JBY Connectors are ideal for piping passing settlement joint, preventing load stresses, and wearing of parts frequently cause piping and mechanical equipment to move out of normal alignment. JBY Connectors compensate these axial, lateral, torsional and angular movements.

JBY Connectors are used as an alternative to rubber flexible connectors when longer lifecycle, more reliability are required. JBY Connectors are also used when temperature, pressure, fluid or some other reason rubber connectors can not handle.

### Description

JBY Connectors consist of corrugated SS tube as the main body, SS braid as the outer reinforcing layer, and connecting joints. Joints are available with BSP, NPT, PT thread and BS, ANSI, ASME, DIN, API flanges. The length can be customized as per requirements.

### Operation Conditions

Conditions	Model	I	II	III	IV	V
Operating Pressure Mpa ( Bar )		2.5(25)	2.0(20)	1.6(16)	1.0(10)	0.6(6)
Burst Pressure Mpa ( Bar )		3.75(37.5)	3.0(30)	2.4(24)	1.5(15)	0.9(9)
Vacuum Rating Kpa ( mmHg )		7.5(75)	6.0(60)	4.8(48)	3.0(30)	1.8(18)
Applicable Temperature (Deg C)		-60 ~ 300				
Applicable Fluid		Cold / hot water, seawater, weak acids, alkalies, compressed air, etc.				

### Specification

Size DN		Working Pressure Mpa	Length mm	Axial Movement mm	Lateral Movement mm
mm	inch				
15	1/2	2.5 2.0 1.6 1.0 0.6	≥300	20	100
20	3/4		≥300		78
25	1		≥300		61
32	1(1/4)		≥300		48
40	1(1/2)		≥300		39
50	2		≥300		30
65	2(1/2)		≥300	25	25
80	3		≥300		21
100	4		≥300		17
125	5		≥300		14
150	6		≥300	40	7
200	8		≥400		20
250	10		≥400		16
300	12		≥400	45	13
350	14		≥450		11
400	16		≥450	50	8
450	18		≥550		14
500	20		≥550	55	12
600	24		≥600		11
800	32		≥800	65	10

Larger size and longer length can be customized at request

