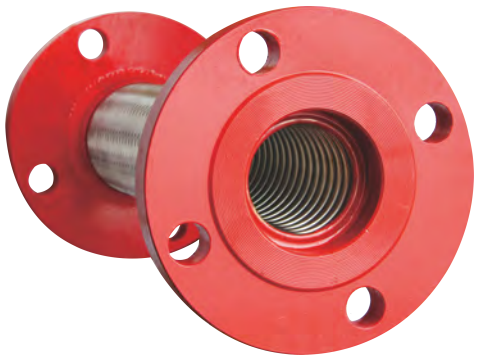
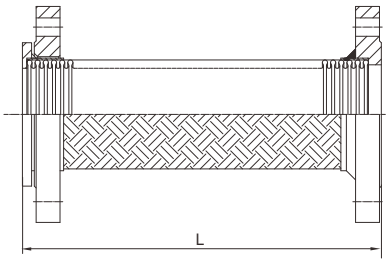
Flanged flexible joint (Braided)

Braided flexible joint is made by SS bellows and wire braid, and it is flexible unit installed in piping system to absorb vibration and shock, reduce noise, and compensate misalignment.



- Certificate: FM Approved
- Standard: EJMA
- Connection: Flanged as ANSI B16.5 Class 150, EN 1092-1 PN16
- Temperature: Max 350° C
- W. pressure: 230 / 300 psi (As FM)
- Surface: Red / blue / green painting



Main parts and material

Bellows	SS 304, annular type	**Wire braid**	SS 304
Flanges	Carbon steel, or SS	**Collar ring**	SS 304

Available size (Source 1 with WP 230psi)

Size		Total length (mm)	Lateral allowable movement (mm)	Connection	Working pressure (psi)	Ref. No.
Inch	DN					
2"	50	300	18	Class 150 / PN16	230	U7101
2-1/2"	65	300	16	Class 150 / PN16	230	U7102
3"	80	300	14	Class 150 / PN16	230	U7103
4"	100	300	12	Class 150 / PN16	230	U7104
5"	125	300	12	Class 150 / PN16	230	U7105
6"	150	300	12	Class 150 / PN16	230	U7106
8"	200	300	8	Class 150 / PN16	230	U7107
10"	250	300	8	Class 150 / PN16	230	U7108
12"	300	300	7	Class 150 / PN16	230	U7109
14"	350	300	6	Class 150 / PN16	230	U7110
16"	400	300	6	Class 150 / PN16	230	U7111

Flanged flexible joint (Braided)

Available size (Source 1 with WP 230psi)

Size		Total length (mm)	Lateral allowable movement (mm)	Connection	Working pressure (psi)	Ref. No.
Inch	DN					
20"	500	300	5	Class 150 / PN16	230	U7112
24"	600	300	5	Class 150 / PN16	230	U7113

Note:

1. For total length, it is available with 200mm, 400mm, 800mm, 1000mm, 4000mm, etc.
2. For flanged connection, it is available with ANSI B16.1 Class 125 / 250, B16.42 Class 150 / 300, EN 1092-2 PN10 / PN16 / PN25, etc.
3. Other sizes also available as per customer inquiry.

Available size (Source 2 with WP 300psi)

Size		Total length (mm)	Lateral allowable movement (mm)	Connection	Working pressure (psi)	Ref. No.
Inch	DN					
1"	25	230	/	Class 150 / PN16	300	U7121
1-1/4"	32	230	/	Class 150 / PN16	300	U7122
1-1/2"	40	230	/	Class 150 / PN16	300	U7123
2"	50	230	/	Class 150 / PN16	300	U7124
2-1/2"	65	230	26	Class 150 / PN16	300	U7125
3"	80	230	22	Class 150 / PN16	300	U7126
4"	100	230	17	Class 150 / PN16	300	U7127
5"	125	280	22	Class 150 / PN16	300	U7128
6"	150	280	18	Class 150 / PN16	300	U7129
8"	200	300	16	Class 150 / PN16	300	U7130
10"	250	330	17	Class 150 / PN16	225	U7131
12"	300	350	14	Class 150 / PN16	300	U7132
14"	350	350	12	Class 150 / PN16	300	U7133
16"	400	400	14	Class 150 / PN16	300	U7134

Note:

1. For total length, it is available with 200mm, 400mm, 800mm, 1000mm, 4000mm, etc.
2. For flanged connection, it is available with ANSI B16.1 Class 125 / 250, B16.42 Class 150 / 300, EN 1092-2 PN10 / PN16 / PN25, etc.
3. Other sizes are available as customer request.