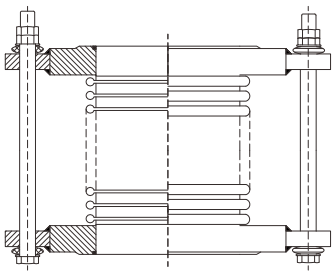
Axial stainless steel flexible joint

Flexible joint with tie rod is to continuously restrain the full bellows pressure thrust during normal operation. 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	**Tie rods**	Carbon steel, with nut, gasket and washer
Flanges	Carbon steel, or SS	**Tube ends**	Carbon steel, or SS

Available size (Source 1 with WP 230psi)

Size		Total length (mm)	Axial movement (mm)	Connection	Working pressure (psi)	Ref. No.
Inch	DN					
1-1/2"	40	350	+10, -40	Class 150 / PN16	230	U7401
2"	50	350	+10, -40	Class 150 / PN16	230	U7402
2-1/2"	65	350	+10, -40	Class 150 / PN16	230	U7403
3"	80	350	+10, -40	Class 150 / PN16	230	U7404
4"	100	350	+10, -40	Class 150 / PN16	230	U7405
5"	125	350	+10, -40	Class 150 / PN16	230	U7406
6"	150	350	+10, -40	Class 150 / PN16	230	U7407
8"	200	350	+10, -40	Class 150 / PN16	230	U7408
10"	250	350	+10, -40	Class 150 / PN16	230	U7409

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Available size (Source 1 with WP 230psi)

Size		Total length (mm)	Axial movement (mm)	Connection	Working pressure (psi)	Ref. No.
Inch	DN					
12"	300	350	+10, -40	Class 150 / PN16	230	U7410
14"	350	400	+10, -40	Class 150 / PN16	230	U7411

Note:
1. For total length, it is available with 300mm, 400mm, 500mm, 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.

Available size (Source 2 with WP 300psi)

Size		Total length (mm)	Axial movement (mm)	Connection	Working pressure (psi)	Ref. No.
Inch	DN					
1-1/4"	32	200	+5, -25	Class 150 / PN16	300	U7421
1-1/2"	40	250	+5, -30	Class 150 / PN16	300	U7422
2"	50	300	+5, -35	Class 150 / PN16	300	U7423
2-1/2"	65	300	+5, -35	Class 150 / PN16	300	U7424
3"	80	300	+10, -40	Class 150 / PN16	300	U7425
4"	100	300	+10, -40	Class 150 / PN16	300	U7426
5"	125	300	+10, -45	Class 150 / PN16	300	U7427
6"	150	350	+10, -50	Class 150 / PN16	300	U7428
8"	200	350	+10, -50	Class 150 / PN16	300	U7429
10"	250	400	+10, -55	Class 150 / PN16	300	U7430
12"	300	400	+10, -55	Class 150 / PN16	300	U7431
14"	350	400	+10, -60	Class 150 / PN16	300	U7432
16"	400	400	+10, -60	Class 150 / PN16	300	U7433

Note:
1. For total length, it is available with 300mm, 400mm, 500mm, 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.