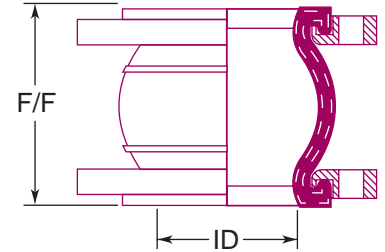


The MJ-80 single-arch expansion joint features a precision molded elastomer compound reinforced with multiple plies of nylon. The spherical shape of the arch provides a smooth, low turbulence flow which will handle process fluids with suspended solids.

Installation is easy due to the threaded Vanstone-style rings, making them easy to align. Control units are also available.

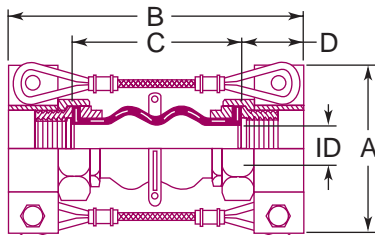


MJ-80 EXPANSION JOINT



ID	2	2-1/2	3	4	5	6	8	10	12	14	16	18
F/F	6	6	6	6	6	6	6	8	8	8	8	8
Compres.	15/16	1/2	1/2	11/16	11/16	1	1	1	1	1	1	1
Extens.	3/16	1/4	1/4	3/8	3/8	9/16	9/16	9/16	9/16	5/8	5/8	5/8
Lateral	5/16	3/8	1/2	1/2	1/2	7/8	7/8	7/8	7/8	7/8	7/8	7/8
Angular	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°
Pressure	214	214	214	214	214	214	214	214	214	114	114	114
Weight	9	13	14	18	21	27	37	55	83	100	115	122

MJ-90 EXPANSION JOINT



ID	3/4	1	1-1/4	1-1/2	2	2-1/2
A	1-1/2	2	2-1/4	3	3-3/4	4-1/2
B	6-1/2	6-3/4	6-7/8	7-1/4	8-1/4	8-3/4
C	4-3/4	4-3/4	4-3/4	4-3/4	5-3/4	5-1/2
D	3/4	1	1-1/4	1-1/4	1-1/2	1-5/8
Weight	2	3	3	4	6	9
Elongat.	13/16	13/16	13/16	13/16	13/16	13/16
Compres.	3/4	3/4	3/4	3/4	3/4	3/4
Trans.	13/16	13/16	13/16	13/16	13/16	13/16
Angular	45°	45°	45°	45°	45°	45°

MJ-90 molded elastomer expansion joints are designed to handle vibration, misalignment and movement in smaller diameter piping systems. The union ends provide a simple means of disconnecting the piping to service equipment such as pumps. The maximum angular movement of this joint is 45°.

Size	Operating Temps for MJ-70/80/90 Series Joints						Max Vacuum*
	170°F 76°C	180°F 83°C	190°F 90°C	200°F 95°C	212°F 100°C	225°F 110°C	
2" to 12" 100mm to 300mm	214 psi 1475 KPi	210 1447	195 1344	180 1240	165 1137	150 1034	16 in. HG 406mm HG
14" to 20" 350mm to 500mm	180 psi 1240 KPa	165 1137	150 1034	135 930	120 827	105 723	

*Vacuum rating based on neutral installed length without external load.

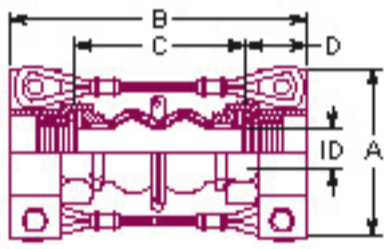


Series MJ-90 – Molded Elastomer

MJ-90 molded elastomer expansion joints are designed to handle vibration, misalignment and movement in smaller diameter piping systems. The union ends provide a simple means of disconnecting the piping to service equipment such as pumps. The maximum angular movement of this joint is 45°.

[BROCHURE](#)

Specifications



Unit:

ID	A	B	C	D	Weight	Elongation	Compression	Tranverse	Angular
3/4	1-1/2	6-1/2	4-3/4	3/4	2	13/16	3/4	13/16	45°
1	2	6-3/4	4-3/4	1	3	13/16	3/4	13/16	45°
1-1/4	2-1/4	6-7/8	4-3/4	1-1/4	3	13/16	3/4	13/16	45°
1-1/2	3	7-1/4	4-3/4	1-1/4	4	13/16	3/4	13/16	45°
2	3-3/4	8-1/4	5-3/4	1-1/2	6	13/16	3/4	13/16	45°
2-1/2	4-1/2	8-3/4	5-1/2	1-5/8	9	13/16	3/4	13/16	45°



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TOLL FREE (Canada & USA): 1.800.461.6331

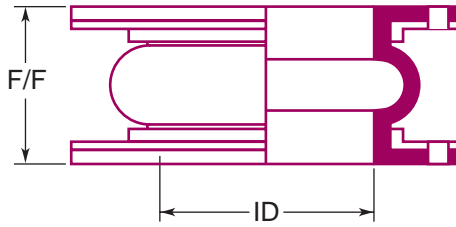
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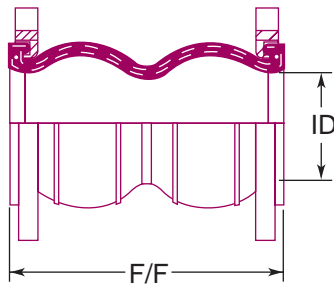
MJ-60
EXPANSION JOINT

A low cost, double-width arch, externally reinforced, moulded butyl expansion joint with twice the movement capability of standard expansion joints.

This expansion joint is commonly used in pulp and paper applications, as well as water and waste treatment. Special, hand-made versions of this joint are available in different elastomers and multiple arch types for other applications.

ID	1	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	30	36	
F/F	6	6	6	6	6	6	6	6	6	8	8	8	8	8	8	10	10	10	
Pressure	150	150	150	150	150	150	150	150	150	150	150	130	110	110	110	100	100	90	
Vacuum	26	26	20	20	20	15	15	15	15	15	10	10	10	10	10	10	26	26	
Axial																			
Comp	5/8	5/8	1-3/4	1-3/4	1-3/4	1-3/4	1-3/4	1-3/4	1-3/4	1-3/4	1-3/4	2	2	2	2	2-1/4	2-1/4	2-1/4	
Force	220	230	220	280	330	450	550	670	740	930	970	1190	1270	1430	1590	2140	2700	3300	
Elong.	1/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	7/8	7/8	7/8	7/8	1	1	1	
Force	120	130	120	150	180	250	310	370	410	520	550	670	720	810	900	1240	1565	1912	
Deflection																			
Lateral	1/4	1/4	3/4	3/4	3/4	3/4	3/4	1	1	1	1	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	
Force	160	170	160	170	190	210	250	370	450	480	570	750	870	960	1070	1150	1451	1773	
Angular	25	25	35	30	30	25	25	20	20	15	15	12	12	9	9	9	6	5	
Weight	4.0	5.0	8.0	9.0	10	14	17	19	25	34	52	60	69	78	93	113	--	--	

MJ-70
EXPANSION JOINT



The MJ-70 double-arch expansion joint features a precision moulded elastomer compound reinforced with multiple plies of nylon. The shape of the arches provide a smooth, low turbulence flow which will handle process fluids with suspended solids.

Installation is easy due to the threaded Vanstone style rings, making them easy to align. Control units are also available.



ID	2	2-1/2	3	4	5	6	8	10	12
F/F	7	7	7	9	9	9	13	13	13
Compres.	1	1	1	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2
Extens.	3/4	3/4	3/4	1	1	1	1	1	1
Lateral	1	1	1	1-1/4	1-1/4	1-1/4	1-3/8	1-3/8	1-3/8
Angular	30°	30°	30°	30°	30°	30°	30°	30°	30°
Pressure	214	214	214	214	214	214	214	214	214
Weight	10	13	15	20	26	30	46	63	115