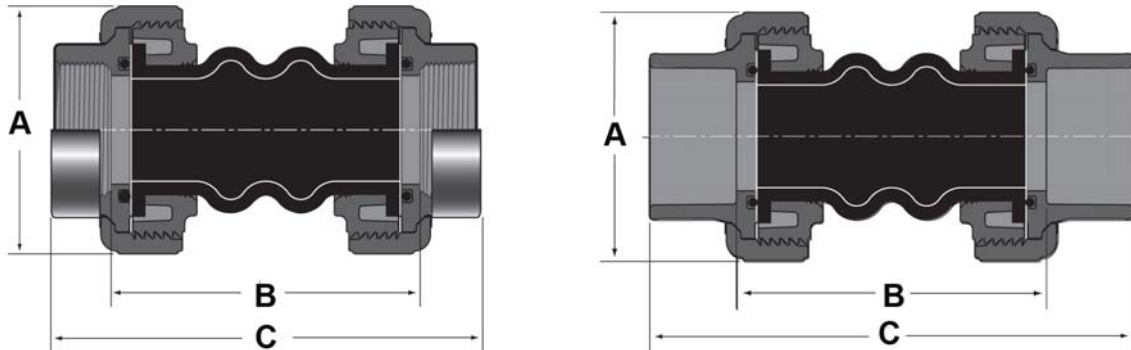




Expansion Joints Technical Elastomer Expansion Joint Overview

Technical Information



Dimensions (inches)

Size	A	B		C		MAXIMUM MOVEMENTS			
		Socket	Threaded	Socket	Threaded	COMPRESSION	EXTENSION	LATERAL	ANGULAR
3/4	2-1/4	6-7/8	7	8-7/8	8-5/16	7/8	1/4	7/8	35°
1	2-9/16	6-5/8	6-13/16	8-15/16	8-1/2	7/8	1/4	7/8	25°
1-1/4	3-1/8	6-1/2	6-11/16	9	8-7/16	7/8	1/4	7/8	25°
1-1/2	3-9/16	6-5/8	6-3/4	9-7/16	8-9/16	7/8	1/4	7/8	20°
2	4-3/16	6-1/4	6-3/8	9-5/16	8-1/4	7/8	1/4	7/8	15°
2-1/2	6-1/8	6-1/4	6-5/16	9-3/16	9	7/8	1/4	7/8	15°
3	6-1/8	6-3/16	6-3/16	10	9	7/8	1/4	7/8	15°

Maximum specified movements are non-concurrent.

General Specifications

Materials:

Union components - PVC/CPVC
Elastomers - Neoprene Tube Bellows/ Nitrile O-ring seal
EPDM Tube Bellows/ EPDM O-ring seal

Pressure Rating:

150 psi @ 73° F (1.03 MPa @23° C)

Vacuum Service:

Rated @ 26 in-Hg (88 kPa)

Maximum Service Temperature:

PVC = 140° F (60° C)

CPVC = 200° F (93° C)

Note: Pressure de-ratings apply at elevated temperatures.

Installation Considerations

Piping system must be properly aligned and anchored to prevent damage to an expansion joint of system components. Movement must not exceed maximum specified capacities.

For equipment isolation: Install Elastomer Expansion Joints just before and after the equipment generating the vibration. While vertical and perpendicular installation may be used, for optimum performance install horizontally and parallel to any rotating equipment shaft. For maximum vibration transmission reduction, the piping section beyond the rubber connector must be anchored.

Warning: Excessive noise and vibration may indicate severe problems in system design, operation, or support that cannot be compensated for through use of dampening devices. Such severe problems may also damage union components. Specific application and suitability must be evaluated and determined by the end user.

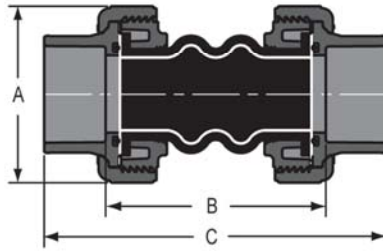
Expansion Joints Technical
Expansion Joint Dimensions



**ELASTOMER EXPANSION JOINT
 WITH NEOPRENE BELLOWS**

SOCKET x SOCKET

150 psi @ 73°F

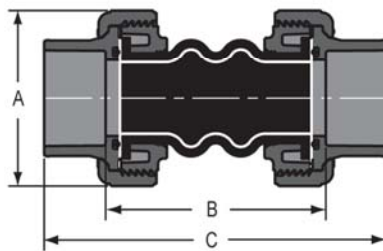


Part Number		Size	A	B	C	MAXIMUM MOVEMENTS				Approx. Wt. (LBS.)	
PVC	CPVC					COMPRESSION	EXTENSION	LATERAL	ANGULAR	PVC	CPVC
EJ02-007	--	3/4	2-1/4	6-3/8	8-3/8	7/8	1/4	7/8	35°	.50	---
EJ02-010	--	1	2-9/16	5-15/16	8-3/16	7/8	1/4	7/8	25°	.71	---
EJ02-012	--	1-1/4	3-1/8	6-1/16	8-9/16	7/8	1/4	7/8	25°	.70	---
EJ02-015	--	1-1/2	3-9/16	5-7/8	8-5/8	7/8	1/4	7/8	20°	1.07	---
EJ02-020	--	2	4-3/16	5-7/16	8-7/16	7/8	1/4	7/8	15°	1.54	---
EJ02-025	--	2-1/2	6-1/8	6-3/16	9-3/4	7/8	1/4	7/8	15°	4.49	---
EJ02-030	--	3	6-1/8	6-3/16	10	7/8	1/4	7/8	15°	4.71	---

**ELASTOMER EXPANSION JOINT
 WITH EPDM BELLOWS**

SOCKET x SOCKET

150 psi @ 73°F



Part Number		Size	A	B	C	MAXIMUM MOVEMENTS				Approx. Wt. (LBS.)	
PVC	CPVC					COMPRESSION	EXTENSION	LATERAL	ANGULAR	PVC	CPVC
EJ22-007	EJ22-007C	3/4	2-1/4	6-3/8	8-3/8	7/8	1/4	7/8	35°	.32	.39
EJ22-010	EJ22-010C	1	2-9/16	5-15/16	8-3/16	7/8	1/4	7/8	25°	.70	.81
EJ22-012	EJ22-012C	1-1/4	3-1/8	6-1/16	8-9/16	7/8	1/4	7/8	25°	.81	.84
EJ22-015	EJ22-015C	1-1/2	3-9/16	5-7/8	8-5/8	7/8	1/4	7/8	20°	1.03	1.07
EJ22-020	EJ22-020C	2	4-3/16	5-7/16	8-7/16	7/8	1/4	7/8	15°	1.54	1.61
EJ22-025	EJ22-025C	2-1/2	6-1/8	6-3/16	9-3/4	7/8	1/4	7/8	15°	4.49	4.77
EJ22-030	EJ22-030C	3	6-1/8	6-3/16	10	7/8	1/4	7/8	15°	4.81	5.04