



# Expansion Joints



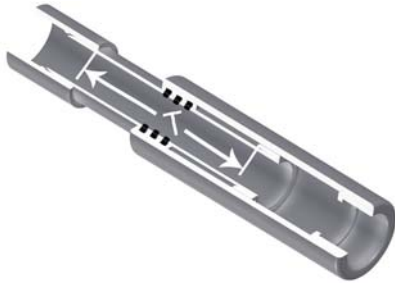
## **PRODUCT**

Contact Spears® for any Information not found.

Expansion Joints Product  
**Fabricated Expansion Joints**



**Fabricated Expansion Joints**  
**Triple O-ring Sealed Telescoping Design**  
 Available with 6" and 12" Travel



- Compact Installation - Eliminates Need For Expansion Loops
- EPDM or FKM Pressure O-ring Seal with Dual "Wiper" O-ring for Extended Life
- Support Piston Eliminates Binding, Minimizes Alignment Problems
- Excellent For Use as a Repair Coupling
- WHEN USED AS A REPAIR COUPLING MUST BE THRUST BLOCKED

Part Number	Size	Travel - T	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Fabricated Expansion Joints - PVC**

**6" Travel with EPDM O-rings**

1/2" - 2" 235 psi @ 73°F (23°C)  
 2-1/2" - 12" 150 psi @ 73°F (23°C)  
 14" 100 psi @ 73°F (23°C)

826-005X6	1/2	6	10	0	085	346.85
826-007X6	3/4	6	6	0	085	372.87
826-010X6	1	6	5	0	085	377.07
826-012X6	1-1/4	6	4	0	085	438.28
826-015X6	1-1/2	6	4	0	085	464.75
826-020X6	2	6	2	0	085	519.86
826-025X6	2-1/2	6	1	0	085	592.97
826-030X6	3	6	1	0	085	615.53
826-040X6	4	6	1	0	085	660.58
826-060X6	6	6	1	0	085	1088.31
826-080X6	8	6	1	0	085	1498.29
826-100X6	10	6	1	0	085	1759.42
826-120X6	12	6	1	0	085	3117.49
826-140X6	14	6	1	0	085	3561.02

FKM O-rings available on special order. Add a "V" preceding the dash (-) separator, e.g. 826V-005X6.

Part Number	Size	Travel - T	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Fabricated Expansion Joints - PVC**

**12" Travel with EPDM O-rings**

1/2" - 2" 235 psi @ 73°F (23°C)  
 2-1/2" - 12" 150 psi @ 73°F (23°C)  
 14" 100 psi @ 73°F (23°C)

826-005X12	1/2	12	10	0	085	390.15
826-007X12	3/4	12	6	0	085	412.62
826-010X12	1	12	5	0	085	494.45
826-012X12	1-1/4	12	4	0	085	540.24
826-015X12	1-1/2	12	4	0	085	500.58
826-020X12	2	12	2	0	085	590.49
826-025X12	2-1/2	12	1	0	085	992.01
826-030X12	3	12	1	0	085	762.86
826-040X12	4	12	1	0	085	857.00
826-060X12	6	12	1	0	085	1248.40
826-080X12	8	12	1	0	085	1673.73
826-100X12	10	12	1	0	085	2046.25
826-120X12	12	12	1	0	085	3277.51
826-140X12	14	12	1	0	085	3637.97

FKM O-rings available on special order. Add a "V" preceding the dash (-) separator, e.g. 826V-005X12



**Fabricated Expansion Joints - CPVC**

**6" Travel with FKM O-rings**

1/2" - 2" 235 psi @ 73°F (23°C)  
 2-1/2" - 12" 150 psi @ 73°F (23°C)  
 14" 100 psi @ 73°F (23°C)

826-005X6C	1/2	6	10	0	085	428.86
826-007X6C	3/4	6	6	0	085	469.29
826-010X6C	1	6	5	0	085	507.25
826-012X6C	1-1/4	6	4	0	085	532.79
826-015X6C	1-1/2	6	4	0	085	580.67
826-020X6C	2	6	2	0	085	735.79
826-025X6C	2-1/2	6	1	0	085	873.13
826-030X6C	3	6	1	0	085	1014.33
826-040X6C	4	6	1	0	085	1496.00
826-060X6C	6	6	1	0	085	1608.16
826-080X6C	8	6	1	0	085	3050.62
826-100X6C	10	6	1	0	085	3894.48
826-120X6C	12	6	1	0	085	5166.35
826-140X6C	14	6	1	0	085	11035.19

EPDM O-rings available on special order. Add an "E" preceding the dash (-) separator, e.g. 826E-005X6C





Expansion Joints Product

**Fabricated Expansion Joints & Elastomer Expansion Joints**

**Fabricated Expansion Joints**

Part Number	Size	Travel - T	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Fabricated Expansion Joints - CPVC**

**12" Travel with FKM O-rings**

1/2" - 2" 235 psi @ 73°F (23°C)  
 2-1/2" - 12" 150 psi @ 73°F (23°C)  
 14" 100 psi @ 73°F (23°C)

826-005X12C	1/2	12	10	0	085	436.79
826-007X12C	3/4	12	6	0	085	500.89
826-010X12C	1	12	5	0	085	534.34
826-012X12C	1-1/4	12	4	0	085	598.07
826-015X12C	1-1/2	12	4	0	085	670.72
826-020X12C	2	12	2	0	085	856.13
826-025X12C	2-1/2	12	1	0	085	1296.08
826-030X12C	3	12	1	0	085	1041.60
826-040X12C	4	12	1	0	085	1725.41
826-060X12C	6	12	1	0	085	1900.77
826-080X12C	8	12	1	0	085	3639.19
826-100X12C	10	12	1	0	085	4263.44
826-120X12C	12	12	1	0	085	6099.73
826-140X12C	14	12	1	0	085	14521.31

EPDM O-rings available on special order. Add an "E" preceding the dash (-) separator, e.g. 826E-005X12C

**Elastomer Expansion Joints**

**PVC & CPVC Schedule 80 Elastomer Expansion Joint**



Designed to allow for the expansion, contraction, lateral and angular movement of a piping system. Aids in noise and vibration dampening.

- Convenient, Double Union End Connections with Strong, Buttress Thread Union Nuts
- Internal Nylon Cord Reinforced Elastomer Bellows Tube
- Chemically Resistant Neoprene Elastomer with Optional EPDM Tube Available
- Double Spherical Arch Bellows Provides Improved Movement Capability
- Pressure rated to 150 psi @ 73°F (23°C)
- Suitable for Vacuum Service
- Available in Socket or Spears® Special Reinforced (SR) Female Plastic Thread End Connectors, IPS Sizes 3/4" through 3"

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Elastomer Expansion Joint - PVC**

**PVC with Neoprene Bellows Socket**



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ02-007	3/4	10	0	085	219.22
EJ02-010	1	10	0	085	248.58
EJ02-012	1-1/4	15	0	085	264.84
EJ02-015	1-1/2	10	0	085	326.05
EJ02-020	2	8	0	085	399.54
EJ02-025	2-1/2	4	0	085	565.20
EJ02-030	3	2	0	085	776.92

**Elastomer Expansion Joints - PVC**

**PVC with EPDM Bellows Socket**



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ22-007	3/4	10	0	085	223.69
EJ22-010	1	10	0	085	253.62
EJ22-012	1-1/4	15	0	085	273.03
EJ22-015	1-1/2	10	0	085	331.71
EJ22-020	2	8	0	085	407.69
EJ22-025	2-1/2	4	0	085	576.71
EJ22-030	3	2	0	085	792.75

**Elastomer Expansion Joint - PVC**

**PVC with Neoprene Bellows SR Fipt - Stainless Steel Collar**



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ01-007SR	3/4	10	0	085	222.29
EJ01-010SR	1	10	0	085	253.15

Expansion Joints Product  
**Elastomer Expansion Joints & Repair Couplings**



**Elastomer Expansion Joints**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Elastomer Expansion Joint - PVC (continued)**

**PVC with Neoprene Bellows SR Fipt - Stainless Steel Collar**

EJ01-012SR	1-1/4	15	0	085	275.34
EJ01-015SR	1-1/2	10	0	085	351.51
EJ01-020SR	2	8	0	085	422.31
EJ01-025SR	2-1/2	4	0	085	615.41
EJ01-030SR	3	2	0	085	827.63

**Elastomer Expansion Joint - PVC**

**PVC with EPDM Bellows SR Fipt - Stainless Steel Collar**



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ21-007SR	3/4	10	0	085	226.80
EJ21-010SR	1	10	0	085	258.33
EJ21-012SR	1-1/4	15	0	085	280.99
EJ21-015SR	1-1/2	10	0	085	358.65
EJ21-020SR	2	8	0	085	430.94
EJ21-025SR	2-1/2	4	0	085	624.47
EJ21-030SR	3	2	0	085	844.52

**Elastomer Expansion Joint - CPVC**

**CPVC with EPDM Bellows Socket**



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ22-007C	3/4	10	0	085	228.13
EJ22-010C	1	10	0	085	260.29
EJ22-012C	1-1/4	15	0	085	284.41
EJ22-015C	1-1/2	10	0	085	348.42
EJ22-020C	2	8	0	085	434.86
EJ22-025C	2-1/2	4	0	085	635.46
EJ22-030C	3	2	0	085	863.16

**Elastomer Expansion Joint - CPVC**

**CPVC with EPDM Bellows SR Fipt - Stainless Steel Collar**

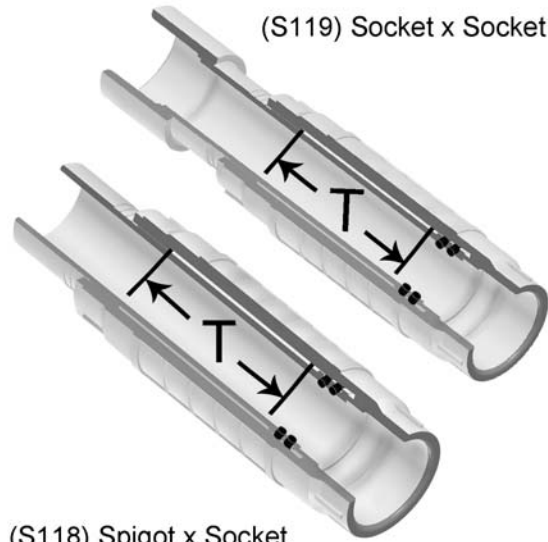


150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ21-007CSR	3/4	10	0	085	230.72
EJ21-010CSR	1	10	0	085	265.32
EJ21-012CSR	1-1/4	15	0	085	293.19
EJ21-015CSR	1-1/2	10	0	085	373.71
EJ21-020CSR	2	8	0	085	493.97
EJ21-025CSR	2-1/2	4	0	085	686.02
EJ21-030CSR	3	2	0	085	913.68

**Repair Couplings**

(S119) Socket x Socket



(S118) Spigot x Socket

- Multi-function Telescoping Design
- Regular and Short configurations
- Socket x Socket Configuration for Pipe Repair or Use as a Short-Stroke Expansion Joint
- Spigot x Socket Configuration for Replacing Damaged Fittings
- Both Configurations can be Easily Modified for Opposite Use
- Double O-ring Seal in EPDM or high-grade FKM
- 1/2" - 2" Pressure Rated to 235 PSI @ 73°F (23°C)
- 2-1/2" - 4" Pressure Rated to 200 PSI @ 73°F (23°C)
- 6" Pressure Rated to 150 PSI @ 73°F (23°C)
- NSF® Certified for Potable Water Use

Part Number	Size	Travel - T	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Repair Coupling - Spigot x Socket**

**PVC White with EPDM O-ring**



Can be used as short-stroke Expansion Joint

S118-05	1/2	3	25	0	025	6.16
S118-07	3/4	4	30	0	025	7.00
S118-10	1	4	15	0	025	8.07



## Repair Couplings & Short Repair Couplings

### Repair Couplings

Part Number	Size	Travel - T	Std Pk	Mstr Ctn	Prod Code	MSRP
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#### Repair Coupling - Spigot x Socket (continued)

PVC White with EPDM O-ring

S118-12	1-1/4	4	25	0	025	15.22
S118-15	1-1/2	4	25	0	025	16.58
S118-20	2	4	12	0	025	25.64
S118-25	2-1/2	6	5	0	025	37.20
S118-30	3	6	4	0	025	46.47
S118-40	4	6	2	0	025	81.33
S118-60	6	6	1	0	025	199.00

Unit Must Be Thrust Blocked  
T = Repair Coupling Travel



### Repair Coupling - Socket x Socket

PVC White with EPDM O-ring

Can be used as short-stroke Expansion Joint

S119-05	1/2	3	30	0	025	6.16
S119-07	3/4	4	24	0	025	7.00
S119-10	1	4	20	0	025	8.07
S119-12	1-1/4	4	10	0	025	15.22
S119-15	1-1/2	4	16	0	025	16.58
S119-20	2	4	10	0	025	25.64
S119-25	2-1/2	6	5	0	025	37.20
S119-30	3	6	4	0	025	46.47
S119-40	4	6	2	0	025	81.33
S119-60	6	6	1	0	025	199.00

Unit Must Be Thrust Blocked  
T = Repair Coupling Travel

### Short Repair Couplings

Space Saving, Compact Version of Standard Repair Coupling  
Requires 1/3 less Space



### Repair Coupling - Short, Spigot x Socket

PVC White with EPDM O-ring

SH118-05	1/2	2	36	0	025	6.16
SH118-07	3/4	2-1/4	30	0	025	7.00
SH118-10	1	2	35	0	025	8.07
SH118-12	1-1/4	2-1/2	25	0	025	15.22
SH118-15	1-1/2	2-3/4	32	0	025	16.58
SH118-20	2	3-1/4	15	0	025	25.64

Unit Must Be Thrust Blocked  
T = Repair Coupling Travel

Part Number	Size	Travel - T	Std Pk	Mstr Ctn	Prod Code	MSRP
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### Repair Coupling - Short, Socket x Socket

PVC White with EPDM O-ring

SH119-05	1/2	2	40	0	025	6.16
SH119-07	3/4	2	30	0	025	7.00
SH119-10	1	2	30	0	025	8.07
SH119-12	1-1/4	2-1/2	20	0	025	15.22
SH119-15	1-1/2	2-3/4	21	0	025	16.58
SH119-20	2	3-1/4	12	0	025	25.64

Unit Must Be Thrust Blocked  
T = Repair Coupling Travel

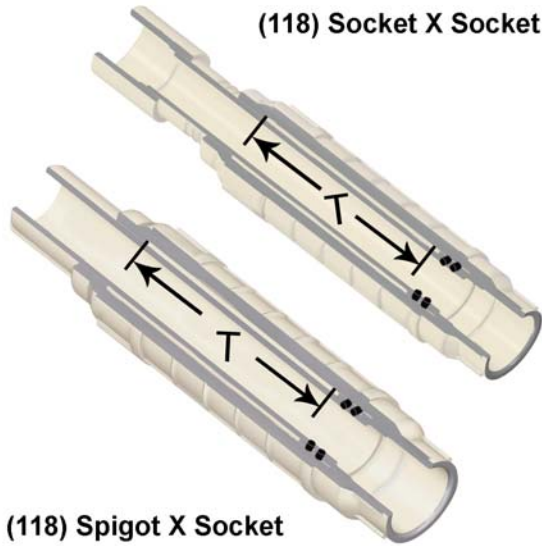




Expansion Joints Product  
**CTS CPVC Expansion Joint/Repair Coupling**



**CTS CPVC Expansion Joint/Repair Coupling**



Part Number	Size	Travel - T	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Expansion Joint/Repair Couplings - Socket x Socket**

**CPVC With EPDM O-Rings**

NSF® Certified Lead Free

CTS119-07	3/4	2-17/32	30	0	027	15.51
CTS119-10	1	3-29/32	24	0	027	17.60

**Unit Must Be Thrust Blocked  
 T = Repair Coupling Travel**



**(118) Spigot X Socket**

- Multi-function Telescoping Design
- Socket x Socket Configuration for Pipe Repair or Use as an Expansion Joint
- Spigot x Socket Configuration for Replacing Damaged Fittings
- Both Configurations can be Easily Modified for Opposite Use
- Double O-ring Seal in EPDM
- Pressure Rated to 100 PSI @ 180°F (82°C)
- NSF® Certified for Potable Water Use

Part Number	Size	Travel - T	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Expansion Joint/Repair Couplings - Socket x Spigot**

**CPVC With EPDM O-Rings**

NSF Certified Lead Free

CTS118-07	3/4	3-29/32	30	0	027	15.51
CTS118-10	1	3-29/32	24	0	027	17.60

**Unit Must Be Thrust Blocked  
 T = Repair Coupling Travel**

