



# **Compression, Repair & GripLoc™ Fittings**



## **ENGINEERING GUIDE**

Contact Spears® for any Information not found.

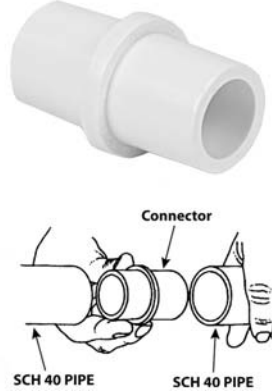
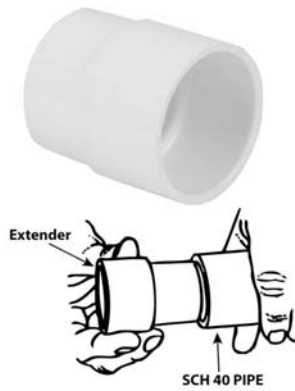


## Schedule 40 Repair Fittings

Schedule 40 Pipe Repair Fittings Allows Difficult Broken Pipe Repair To Be Made Easily

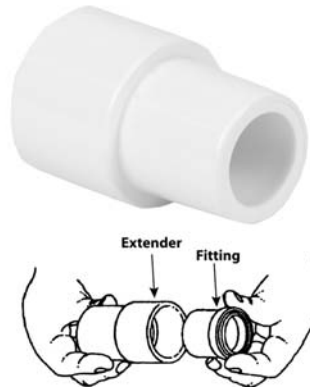
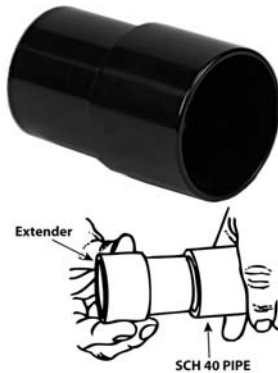
Pipe Extenders

Inside Connectors



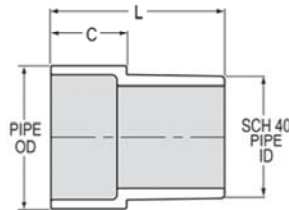
Pipe Extenders, Class 200

Extender Fittings



### Pipe Extenders, Schedule 40

Pipe O.D. Spigot x Pipe I.D. Spigot



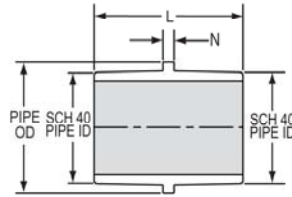
| Part Number | Size  | C      | L       | Approx. Wt. (Lbs.) |
|-------------|-------|--------|---------|--------------------|
| S0301-05    | 1/2   | 13/16  | 1-5/8   | .01                |
| S0301-07    | 3/4   | 13/16  | 1-11/16 | .02                |
| S0301-10    | 1     | 1      | 2       | .04                |
| S0301-12    | 1-1/4 | 1-3/32 | 2-7/32  | .07                |
| S0301-15    | 1-1/2 | 1-1/4  | 2-1/2   | .10                |
| S0301-20    | 2     | 1-1/4  | 2-7/8   | .16                |
| S0301-25    | 2-1/2 | 1-7/8  | 3-3/4   | .32                |
| S0301-30    | 3     | 2      | 4       | .46                |
| S0301-40    | 4     | 2-1/8  | 4-1/4   | .72                |



## Repair Fittings

### Pipe Inside Connectors, Schedule 40

Pipe I.D. Spigot x Pipe I.D. Spigot

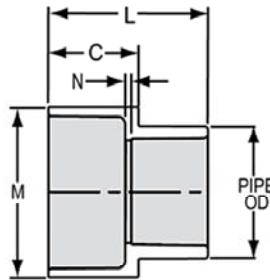


| Part Number              | Size  | L       | N    | Approx. Wt. (Lbs.) |
|--------------------------|-------|---------|------|--------------------|
| <a href="#">S0302-10</a> | 1     | 2-3/16  | 3/16 | .04                |
| <a href="#">S0302-15</a> | 1-1/2 | 2-11/16 | 3/16 | .10                |
| <a href="#">S0302-20</a> | 2     | 2-11/16 | 3/16 | .14                |
| <a href="#">S0302-30</a> | 3     | 4       | 1/4  | .45                |
| <a href="#">S0302-40</a> | 4     | 4-1/4   | 1/4  | .67                |

### Fitting Extenders, Schedule 40

Spigot (Socket) x Socket O.D.

Spigot End also functions as next size down Socket

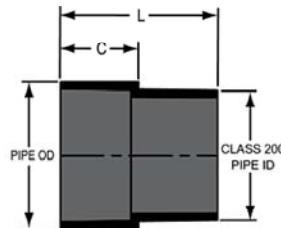


| Part Number              | Size  | C     | L     | M      | N   | Approx. Wt. (Lbs.) |
|--------------------------|-------|-------|-------|--------|-----|--------------------|
| <a href="#">S0303-15</a> | 1-1/2 | 1-5/8 | 2-7/8 | 2-9/16 | 1/8 | .20                |
| <a href="#">S0303-20</a> | 2     | 1-5/8 | 2-7/8 | 3-1/16 | 1/8 | .26                |

### Pipe Extenders, Class 200

Pipe O.D. Spigot x Pipe I.D. Spigot

Fits Class 200 Pipe I.D.



| Part Number              | Size  | C      | L      | Approx. Wt. (Lbs.) |
|--------------------------|-------|--------|--------|--------------------|
| <a href="#">S0304-10</a> | 1     | 1      | 2      | .02                |
| <a href="#">S0304-12</a> | 1-1/4 | 1-1/16 | 2-3/16 | .04                |
| <a href="#">S0304-15</a> | 1-1/2 | 1-1/4  | 2-1/2  | .06                |
| <a href="#">S0304-20</a> | 2     | 1-1/4  | 2-1/2  | .09                |

## Schedule 40 Fittings Technical Repair Couplings Dimensions & Information



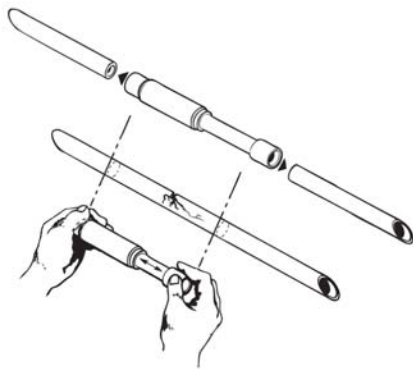
(S118) Spigot x Socket

(S119) Socket x Socket

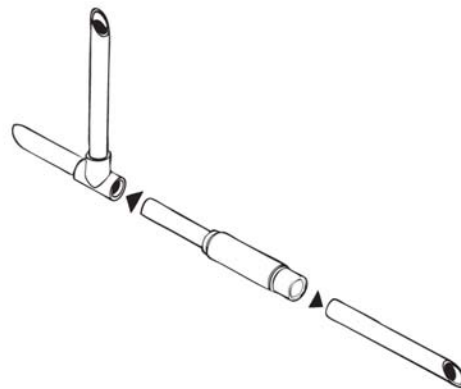
- Multi-function Telescoping Design
- Socket x Socket Configuration for Pipe Repair or Use as a Short-Stroke Expansion Joint
- Spigot x Socket Configuration for Replacing Damaged Fittings
- Both Configurations can be Easily Modified for Opposite Use
- Available in PVC White
- Double O-ring Seal in EPDM 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

### Versatile Repair Capability

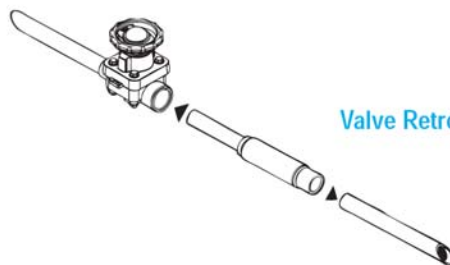
Spears® Repair Couplings provide a variety of system repair and alteration solutions. Use Socket x Socket configurations for quick pipe damage repair - can also be used as a short-stroke expansion joint to compensate for thermal expansion & contraction. Spigot x Socket configurations are excellent for lateral and riser add-ons, damaged fitting replacement, or for installing valves in existing piping systems. Order the wrong configuration? Simply cut coupling from Socket shaft end to function as a spigot or add a coupling to Spigot shaft end for Socket connections.



Pipe Damage Repair  
Or Use as Expansion Joint



Lateral Add-on Or Fitting Replacement



Valve Retrofit Installation



Schedule 40 Fittings Technical  
**Repair Couplings Dimensions & Information**

**Repair Coupling -  
 Spigot x Socket**

PVC White with EPDM O-ring

Can be used as short-stroke Expansion Joint



Pressure Rating  
 1/2'- 2" 235 psi @ 73° F  
 2-1/2" - 4" 200 psi @ 73° F  
 6" & up 150 psi @ 73° F

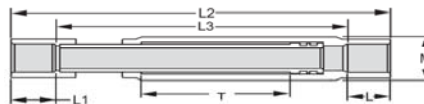
| Part Number | Size  | L      | L2       | L3       | M       | T       | Approx. Wt. (Lbs.) |
|-------------|-------|--------|----------|----------|---------|---------|--------------------|
| S118-05     | 1/2   | 11/16  | 6-1/4    | 5-9/16   | 1-7/16  | 2-7/8   | .24                |
| S118-07     | 3/4   | 3/4    | 7-5/8    | 6-7/8    | 1-3/4   | 4       | .44                |
| S118-10     | 1     | 15/16  | 8-1/2    | 7-9/16   | 2-1/16  | 4-1/16  | .67                |
| S118-12     | 1-1/4 | 1      | 8-13/16  | 7-13/16  | 2-7/16  | 4-1/16  | .87                |
| S118-15     | 1-1/2 | 1-1/8  | 9-3/16   | 8-1/16   | 2-11/16 | 3-13/16 | 1.01               |
| S118-20     | 2     | 1-3/16 | 9-15/16  | 8-3/4    | 3-1/4   | 4-5/16  | 1.59               |
| S118-25     | 2-1/2 | 1-3/4  | 13-5/8   | 11-7/8   | 3-15/16 | 5-9/16  | 3.48               |
| S118-30     | 3     | 1-7/8  | 13-11/16 | 11-13/16 | 4-5/8   | 5-9/16  | 4.29               |
| S118-40     | 4     | 2-1/4  | 14-13/16 | 12-9/16  | 5-3/4   | 6-3/16  | 6.82               |
| S118-60     | 6     | 3      | 17-3/16  | 14-3/16  | 8-7/16  | 6-5/8   | 14.72              |

Unit Must Be Thrust Blocked

**Repair Coupling -  
 Socket x Socket**

PVC White with EPDM O-ring

Can be used as short-stroke Expansion Joint



Pressure Rating  
 1/2'- 2" 235 psi @ 73° F  
 2-1/2" - 4" 200 psi @ 73° F  
 6" & up 150 psi @ 73° F

| Part Number | Size  | L      | L1    | L2       | L3      | M       | T       | Approx. Wt. (Lbs.) |
|-------------|-------|--------|-------|----------|---------|---------|---------|--------------------|
| S119-05     | 1/2   | 11/16  | 7/8   | 7-3/8    | 5-13/16 | 1-7/16  | 2-7/8   | .27                |
| S119-07     | 3/4   | 3/4    | 1     | 8-3/4    | 7       | 1-3/4   | 4       | .49                |
| S119-10     | 1     | 15/16  | 1-1/8 | 9-11/16  | 7-5/8   | 2-1/16  | 4-1/16  | .76                |
| S119-12     | 1-1/4 | 1      | 1-1/4 | 10-3/16  | 7-15/16 | 2-7/16  | 4-1/16  | 1.01               |
| S119-15     | 1-1/2 | 1-1/8  | 1-3/8 | 10-11/16 | 8-3/16  | 2-11/16 | 3-13/16 | 1.15               |
| S119-20     | 2     | 1-3/16 | 1-1/2 | 11-5/8   | 8-15/16 | 3-1/4   | 4-5/16  | 1.86               |
| S119-25     | 2-1/2 | 1-3/4  | 1-3/4 | 15-9/16  | 12-1/16 | 3-15/16 | 5-9/16  | 3.86               |
| S119-30     | 3     | 1-7/8  | 1-7/8 | 15-3/4   | 12      | 4-5/8   | 5-9/16  | 4.94               |
| S119-40     | 4     | 2-1/4  | 2-1/4 | 17-1/4   | 12-3/4  | 5-3/4   | 6-3/16  | 7.71               |
| S119-60     | 6     | 3      | 3     | 20-1/2   | 14-1/2  | 8-7/16  | 6-5/8   | 18.06              |

Unit Must Be Thrust Blocked



## Short Repair Couplings

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



(SH118) Spigot x Socket

(SH119) Socket x Socket

- Compact Telescoping Design
- 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
- Available in PVC White, Sizes 1/2" - 2"
- EPDM Double O-ring Seal
- Pressure Rated to 235 PSI @ 73°F (23°C)
- NSF® Certified for Potable Water Use

### Repair Coupling - Short, Spigot x Socket

PVC White with EPDM O-ring



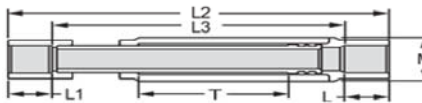
Pressure Rating  
235 psi @ 73° F

| Part Number | Size  | L      | L2      | L3      | M       | T       | Approx. Wt. (Lbs.) |
|-------------|-------|--------|---------|---------|---------|---------|--------------------|
| SH118-05    | 1/2   | 11/16  | 4-7/8   | 4-3/16  | 1-7/16  | 1-15/16 | .20                |
| SH118-07    | 3/4   | 3/4    | 5-3/8   | 4-11/16 | 1-3/4   | 2-3/16  | .31                |
| SH118-10    | 1     | 15/16  | 5-3/4   | 4-13/16 | 2-1/16  | 2       | .42                |
| SH118-12    | 1-1/4 | 1      | 6-5/8   | 5-5/8   | 2-7/16  | 2-1/2   | .60                |
| SH118-15    | 1-1/2 | 1-1/8  | 6-15/16 | 5-13/16 | 2-11/16 | 2-1/2   | .74                |
| SH118-20    | 2     | 1-3/16 | 8-5/16  | 7-1/8   | 3-1/4   | 3       | 1.19               |

**Unit Must Be Thrust Blocked**

### Repair Coupling - Short, Socket x Socket

PVC White with EPDM O-ring



Pressure Rating  
235 psi @ 73° F

| Part Number | Size  | L      | L1    | L2     | L3      | M       | T       | Approx. Wt. (Lbs.) |
|-------------|-------|--------|-------|--------|---------|---------|---------|--------------------|
| SH119-05    | 1/2   | 11/16  | 7/8   | 5-7/8  | 4-1/4   | 1-7/16  | 1-15/16 | .24                |
| SH119-07    | 3/4   | 3/4    | 1     | 6-9/16 | 5-13/16 | 1-3/4   | 2-3/16  | .36                |
| SH119-10    | 1     | 15/16  | 1-1/8 | 7      | 4-15/16 | 2-1/16  | 2       | .51                |
| SH119-12    | 1-1/4 | 1      | 1-1/4 | 8      | 5-3/4   | 2-7/16  | 2-1/2   | .74                |
| SH119-15    | 1-1/2 | 1-1/8  | 1-3/8 | 8-3/8  | 5-7/8   | 2-11/16 | 2-1/2   | .88                |
| SH119-20    | 2     | 1-3/16 | 1-1/2 | 10     | 7-5/16  | 3-1/4   | 3       | 1.46               |

**Unit Must Be Thrust Blocked**



## PVC Compression Couplings

**Multi-Featured Design • PVC White and Industrial PVC Gray • Easy-Thread Compression Nut • Converts to Spigot Coupling**



Excellent for quick connections, system modifications and repairs. Spears® redesigned Compression Coupling provides improved function, broader application and increased versatility. Standard PVC White units have been a long standing choice for Irrigation and Pool & Spa applications. PVC Gray Industrial unit provides broader range of Industrial and Chemical processing applications. Compression nut features strong Buttress threads engineered for easier tightening during installation. New body design has pipe-spigot dimensions allowing unit to be used to convert a socket fitting to a compression fitting. Available in IPS sizes 1/2" through 6".

- **PVC White & PVC Gray Industrial Construction**

Heavy bodied, chemical and corrosion resistant PVC white or new PVC Gray Industrial units provide for a broad range of applications.

- **Elastomer Compression Gaskets**

PVC White unit or PVC Gray Industrial unit is offered with Elastomer gaskets.

- **Strong, Buttress Threaded Compression Nuts**

Revised Nut design features increased strength of Buttress thread plus greater ease of Nut installation onto Body. Superior to standard pipe or square-cut ACME type threads.

- **Full Service Pressure Rating**

1/2" - 2 1/2" = 200 psi, 3" - 6" = 150 psi internal pressure rating @ 73°F.

- **NSF® Certified for Potable Water Use**

Compression Couplings are certified by NSF International for use in potable water systems.

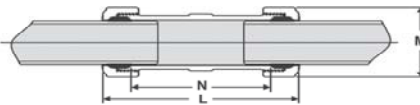
- **Spigot Conversion Capability**

Convert socket-outlet plastic pipe fitting to compression-outlet fitting. Simply cut the Compression Coupling in half next to center holding ribs. Body now functions as a spigot for solvent weld attachment to fitting socket (for Compression Couplings through 2" only).

### Compression Coupling, PVC White

Buna-N Gasket

Dimensions Also Applicable to S110-XXG



| Part Number | Size | L     | M       | N      | Approx. Wt. (Lbs.) |
|-------------|------|-------|---------|--------|--------------------|
| S110-05     | 1/2  | 5     | 1-13/16 | 3-3/8  | .18                |
| S110-07     | 3/4  | 5-3/8 | 2-1/8   | 3-9/16 | .28                |

Schedule 40 Fittings Technical  
**Compression Couplings Dimensions & Information**

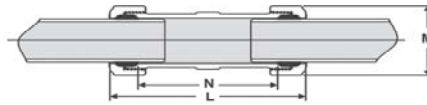


**Compression Coupling, PVC  
 White**

(Continued)

Buna-N Gasket

Dimensions Also Applicable to  
 S110-XXG



| Part Number | Size  | L      | M       | N       | Approx. Wt.<br>(Lbs.) |
|-------------|-------|--------|---------|---------|-----------------------|
| S110-10     | 1     | 5-3/4  | 2-1/2   | 3-3/4   | .41                   |
| S110-12     | 1-1/4 | 6      | 2-15/16 | 4-3/32  | .51                   |
| S110-15     | 1-1/2 | 6-3/4  | 3-5/16  | 4-21/32 | .83                   |
| S110-20     | 2     | 7-9/32 | 3-15/16 | 5-3/32  | 1.21                  |
| S110-25     | 2-1/2 | 8-7/8  | 4-15/16 | 5-7/8   | 2.61                  |
| S110-30     | 3     | 9-5/16 | 5-1/2   | 6-3/16  | 3.20                  |
| S110-40     | 4     | 11-1/2 | 6-3/4   | 7-3/4   | 5.74                  |
| S110-60     | 6     | 11-3/4 | 9-3/8   | 7-7/8   | 9.14                  |

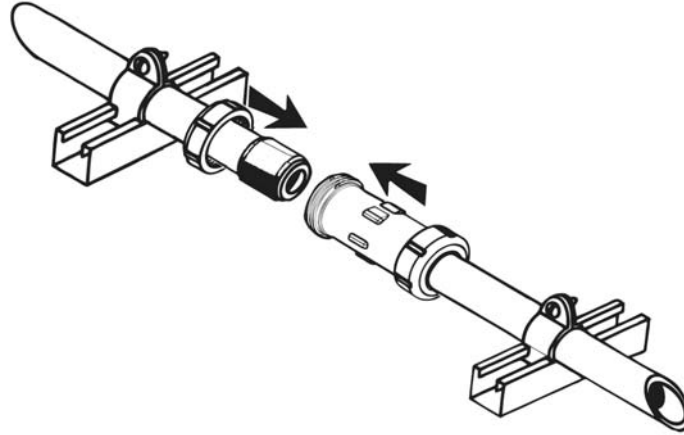




Schedule 40 Fittings Technical  
**Compression Couplings Dimensions & Information**

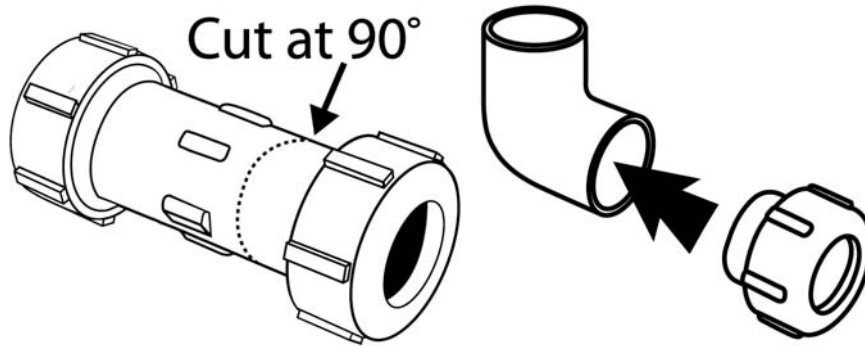
**Easy Installation**

Spears® Compression Couplings easily install by simply sliding nut over pipe, slip on gasket, then insert into body and tighten nuts.



**Convert Fittings to Compression Outlet**

Socket type fittings 3/4" through 2-1/2" can be easily converted to compression outlets sizes 1/2" through 2" by simply cutting the Compression Coupling at the center holding ribs and solvent welding the spigot body into a fitting socket.



| Compression Coupling Size (in.) | Body Spigot Size (in.) |
|---------------------------------|------------------------|
| 1/2                             | 3/4                    |
| 3/4                             | 1                      |
| 1                               | 1-1/4                  |
| 1-1/4                           | 1-1/2                  |
| 1-1/2                           | 2                      |
| 2                               | 2-1/2                  |
| 2-1/2                           | 3                      |

**Important Installation Note**

**WARNING:** The compression joints provide a positive seal but do not restrain pipe from thrusts and movement under pressure. Use of compression joint requires blocking connecting pipe to prevent any movement. Failure to do so can result in system failure or severe personal injury. Use in cold water/fluid applications only.

**WARNING:** Do not use any lubricants for assembly. Certain oils or lubricants can cause stress cracking in plastics.



## Compression Male Adapters

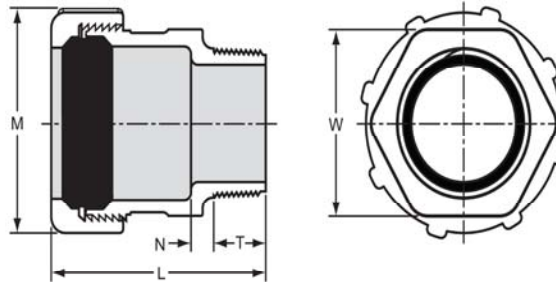


- Quickly Adapts Pipe to MIPT Thread
- Easy-Thread Compression Nut
- PVC White with Elastomer Gasket
- 200 psi Pressure Rating
- NSF® Certified for Potable Water Use

Uses same Nut Wrench sets available for Compression Couplings

### Compression Male Adapters, PVC

Elastomer Gasket  
 Uses Regular Compression Coupling Nut  
 Wrenches



| Part Number | Size  | L       | M       | N     | T     | W       | Approx. Wt. (Lbs.) |
|-------------|-------|---------|---------|-------|-------|---------|--------------------|
| S130-05     | 1/2   | 2-11/16 | 1-13/16 | 1/4   | 11/16 | 1-1/8   | .10                |
| S130-07     | 3/4   | 2-15/16 | 2-1/8   | 5/16  | 11/16 | 1-3/8   | .16                |
| S130-10     | 1     | 3-1/4   | 2-1/2   | 5/16  | 7/8   | 1-11/16 | .23                |
| S130-12     | 1-1/4 | 3-7/16  | 2-15/16 | 5/6   | 7/8   | 2       | .31                |
| S130-15     | 1-1/2 | 3-9/16  | 3-5/16  | 3/8   | 29/32 | 2-3/8   | .44                |
| S130-20     | 2     | 3-7/8   | 3-7/8   | 13/32 | 15/16 | 3       | .67                |



## GripLoc™ Compression Couplings



### GripLoc™ Compression Coupling

Tightening nut compresses special stainless steel Gripper Ring to firmly grip pipe and prevent potential pull-out. Compressed Gland Ring ensures positive O-ring seal against pipe.

### GripLoc™ Compression Couplings

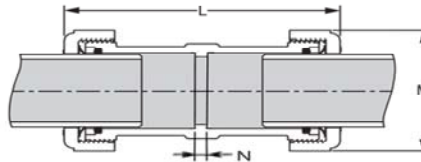
WARNING: DO NOT INSERT FINGERS

For Cold Water Only - EPDM Gasket

1/2" - 2" Pressure Rated to 235 psi

3" - 4" Pressure Rated to 150 psi

Hand Tighten ONLY - No Nut Wrenches Required



| Part Number | Size  | L       | M       | N    | Approx. Wt. (Lbs.) |
|-------------|-------|---------|---------|------|--------------------|
| S112-05     | 1/2   | 4-13/16 | 1-13/16 | 1/8  | .19                |
| S112-07     | 3/4   | 5-1/8   | 2-1/8   | 1/8  | .31                |
| S112-10     | 1     | 5-7/16  | 2-1/2   | 1/8  | .45                |
| S112-12     | 1-1/4 | 6       | 2-15/16 | 1/8  | .55                |
| S112-15     | 1-1/2 | 6-11/16 | 3-5/16  | 1/8  | .90                |
| S112-20     | 2     | 7-5/16  | 3-7/8   | 1/8  | 1.30               |
| S112-30     | 3     | 8-11/16 | 5-1/2   | 3/16 | 3.09               |
| S112-40     | 4     | 11      | 6-11/16 | 3/16 | 5.86               |



## GripLoc™ Compression Adapters

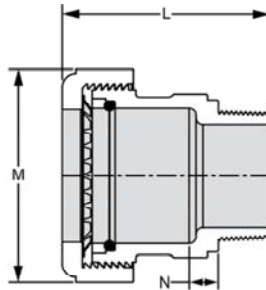


**GripLoc™ Compression Male Adapters**

**GripLoc™ Compression Female Adapters**

### GripLoc™ Compression Male Adapter

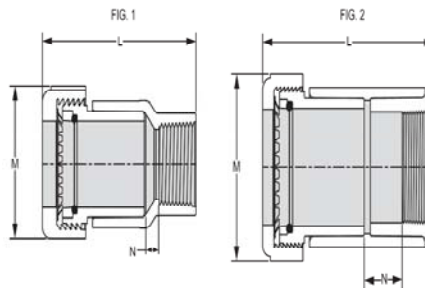
WARNING: DO NOT INSERT FINGERS  
 Mipt x EPDM GripLoc™ Gasket  
 For Cold Water Only  
**Hand Tighten ONLY - No Nut Wrenches Required**



| Part Number | Size  | L       | M       | N     | Approx. Wt. (Lbs.) |
|-------------|-------|---------|---------|-------|--------------------|
| S135-05     | 1/2   | 2-9/16  | 1-13/16 | 1/4   | .12                |
| S135-07     | 3/4   | 2-13/16 | 2-1/8   | 5/16  | .18                |
| S135-10     | 1     | 3-1/8   | 2-1/2   | 5/16  | .25                |
| S135-12     | 1-1/4 | 3-3/8   | 2-15/16 | 11/32 | .35                |
| S135-15     | 1-1/2 | 3-9/16  | 3-5/16  | 3/8   | .47                |
| S135-20     | 2     | 3-7/8   | 3-7/8   | 13/32 | .72                |

### GripLoc™ Compression Female Adapter

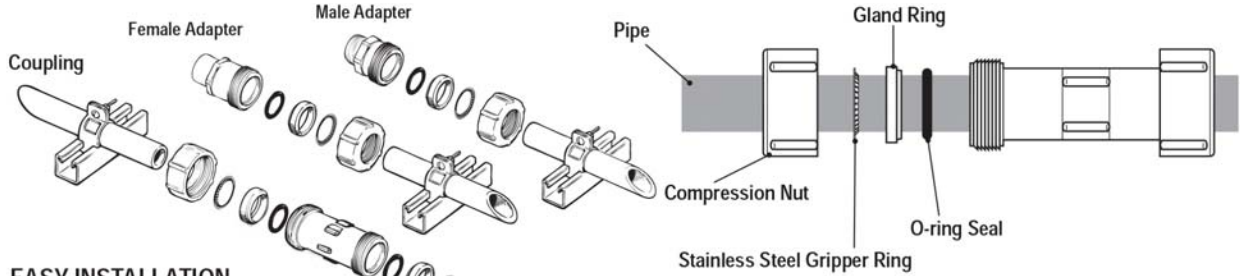
WARNING: DO NOT INSERT FINGERS  
 Fipt x EPDM GripLoc™ Gasket  
 For Cold Water Only  
**Hand Tighten ONLY - No Nut Wrenches Required**



| Part Number | Size  | L       | M       | N      | FIG. | Approx. Wt. (Lbs.) |
|-------------|-------|---------|---------|--------|------|--------------------|
| S136-05     | 1/2   | 2-13/16 | 1-13/16 | 3/32   | 1    | .15                |
| S136-07     | 3/4   | 3-3/16  | 2-1/8   | 3/16   | 1    | .23                |
| S136-10     | 1     | 3-5/8   | 2-1/2   | 7/32   | 1    | .35                |
| S136-12     | 1-1/4 | 4-1/8   | 2-15/16 | 9/16   | 2    | .50                |
| S136-15     | 1-1/2 | 4-1/2   | 3-5/16  | 9/32   | 2    | .81                |
| S136-20     | 2     | 5-7/16  | 3-7/8   | 1-1/32 | 2    | 1.32               |



# GripLoc™ Compression Fittings Installation

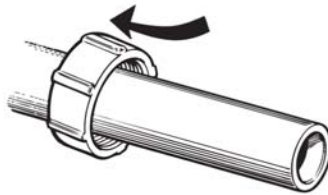


## EASY INSTALLATION

Spears® GripLoc™ Compression Couplings easily install by simply sliding nut over pipe, slip on components in order shown, then insert into body and tighten nuts.

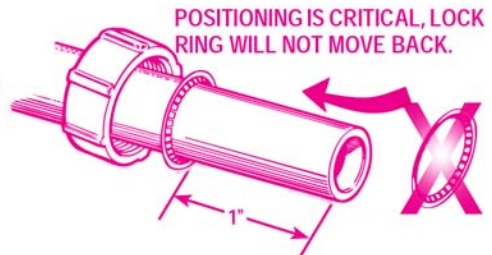
### STEP 1

Install Compression Nut.



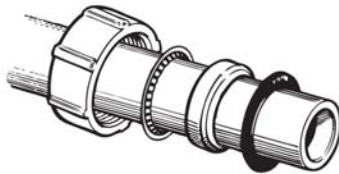
### STEP 2

Install Gripper Ring.



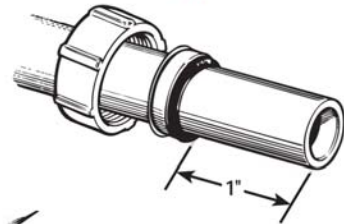
### STEP 3

Install Gland Ring and pre-lubricated O-ring.



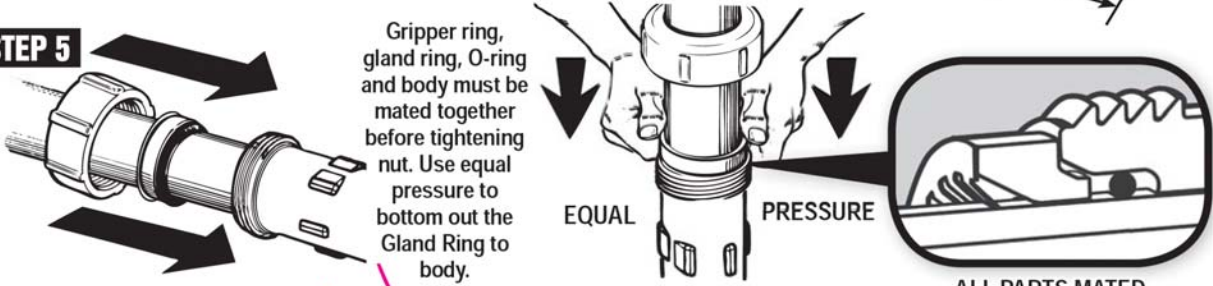
### STEP 4

Slide Gripper Ring, Gland Ring & O-ring down until O-ring is 1" from pipe end.



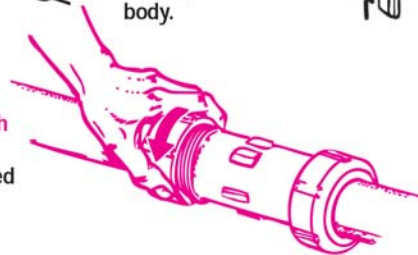
### STEP 5

Gripper ring, gland ring, O-ring and body must be mated together before tightening nut. Use equal pressure to bottom out the Gland Ring to body.



### STEP 6

Hand Tighten only Compression Nut. DO NOT use Compression Coupling Nut Wrench or Strap Wrench. Additional tightening is not required to seal.



**WARNING: DO NOT INSERT FINGERS. ENSURE THAT PIPE AND FITTINGS ARE FREE OF DIRT AND DEBRIS PRIOR TO INSTALLATION.**

## CONVERT FITTINGS TO COMPRESSION OUTLET

Socket-type fittings 3/4" through 2-1/2" can be easily converted to GripLoc™ compression outlet sizes 1/2" through 2" by simply cutting the GripLoc™ Compression Coupling at the center holding ribs and solvent welding the spigot body into a fitting socket.



| Compression Coupling Size (in.) | Body Spigot Size (in.) |
|---------------------------------|------------------------|
| 1/2                             | 3/4                    |
| 3/4                             | 1                      |
| 1                               | 1-1/4                  |
| 1-1/4                           | 1-1/2                  |
| 1-1/2                           | 2                      |
| 2                               | 2-1/2                  |



## GripLoc™ Coupling

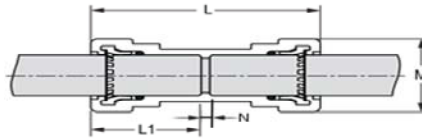


### GripLoc™ Coupling

Specially designed stainless steel Gripper Ring to firmly grip pipe and prevent potential pull-out. Compressed Gland Ring ensures positive O-ring seal against pipe.

### GripLoc™ Coupling

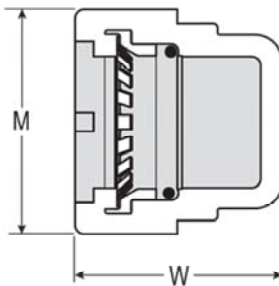
WARNING: DO NOT INSERT FINGERS  
 For Cold Water Only - EPDM Gasket  
 Pressure Rated to 235 psi @ 73°F  
 Uses No Solvent Cement



| Part Number | Size  | L       | L1      | M       | N   | Approx. Wt. (Lbs.) |
|-------------|-------|---------|---------|---------|-----|--------------------|
| GL429-005   | 1/2   | 3-13/16 | 1-27/32 | 1-5/8   | 1/8 | .19                |
| GL429-007   | 3/4   | 4       | 1-15/16 | 1-29/32 | 1/8 | .26                |
| GL429-010   | 1     | 4-3/16  | 2-1/32  | 2-1/4   |     | .36                |
| GL429-012   | 1-1/4 | 4-5/16  | 2-3/32  | 2-23/32 |     | .53                |
| GL429-015   | 1-1/2 | 4-5/16  | 2-3/32  | 3       | 1/8 | .56                |
| GL429-020   | 2     | 4-1/2   | 2-3/16  | 3-5/8   | 1/8 | .85                |

### GripLoc™ Cap

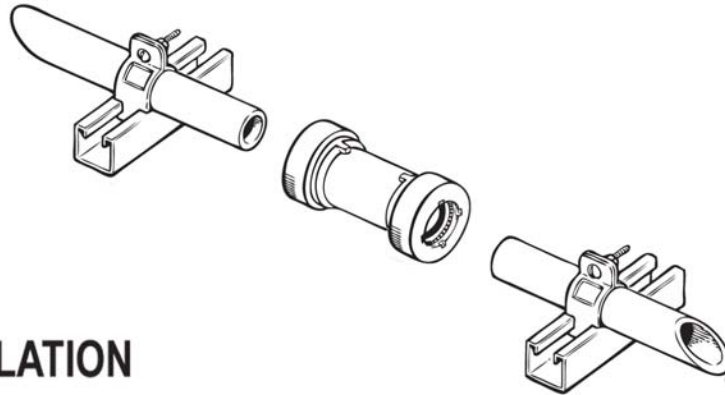
WARNING: DO NOT INSERT FINGERS  
 For Cold Water Only - EPDM Gasket  
 Pressure Rated to 235 psi @ 73°F  
 Uses No Solvent Cement



| Part Number | Size  | M       | W      | Approx. Wt. (Lbs.) |
|-------------|-------|---------|--------|--------------------|
| GL447-005   | 1/2   | 1-5/8   | 1-5/8  | .10                |
| GL447-007   | 3/4   | 1-15/16 | 1-3/4  | .13                |
| GL447-010   | 1     | 2-5/16  | 2      | .19                |
| GL447-012   | 1-1/4 | 2-23/32 | 2-1/8  | .29                |
| GL447-015   | 1-1/2 | 3       | 2-3/16 | .34                |
| GL447-020   | 2     | 3-5/8   | 2-7/16 | .52                |

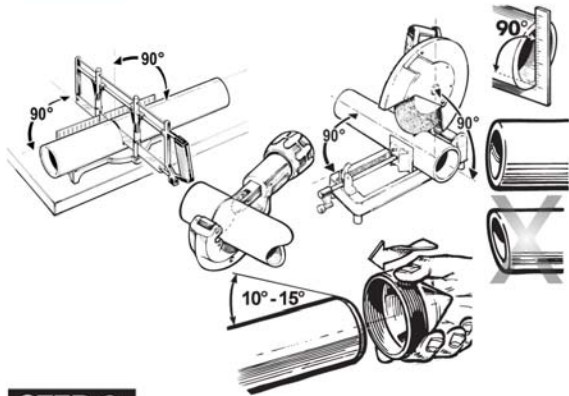


# GripLoc™ Coupling Installation

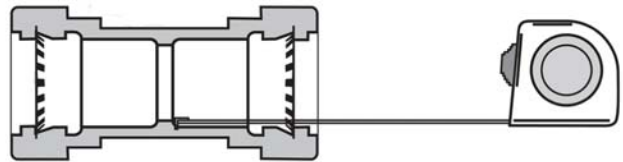


## EASY INSTALLATION

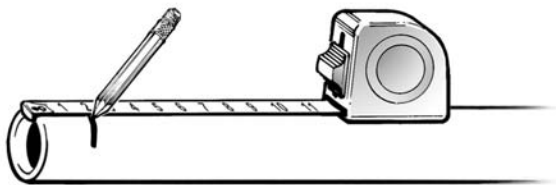
**STEP 1** Cut pipe square. Deburr and bevel.



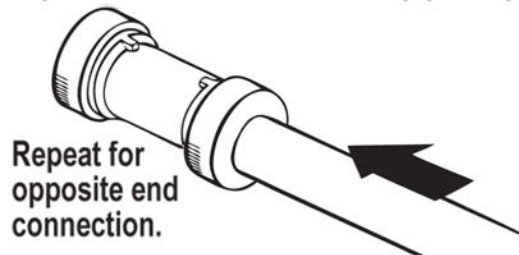
**STEP 2** Measure from pipe stop to the end of the coupling.



**STEP 3** Measure and mark pipe.



**STEP 4** Insert pipe all the way to mark. Pipe should bottom out at the pipe stop.



**WARNING: DO NOT INSERT FINGERS. ENSURE THAT PIPE AND FITTINGS ARE FREE OF DIRT AND DEBRIS PRIOR TO INSTALLATION.**