Fernco is committed to giving the highest level of quality, Fernco quality, at the most competitive price. Our goal is to maintain standards of excellence in quality and service, while continuing to be the most innovative company in the industry.

Convenient Ordering, Fast Delivery

Fernco’s phone ordering system ensures easy ordering and prompt delivery for our customers. When you call Fernco, you will be assisted by a trained professional who knows the industry and understands your individual needs. Your order will be quickly entered into our data processing system for accurate recording of specifications and costs.

Only Fernco offers you the industry’s largest product line, highest fill rate and the most complete merchandising program. All of which is supported by over fifty years of design, manufacturing and distribution experience combined with an ongoing commitment to product innovation.

United States
(810) 503-9000
fernco.com

Canada
(519) 332-6711
fernco.ca

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A global company with a focus on the individual customer.

Established in 1964

In the 1950's, William Zopfi was looking for a reliable solution to fit his pipe connection needs for sewer lines in the Detroit, MI area. He developed a tar donut that would allow him to create more connections per day, increasing his efficiency in the field. In 1964, the Fernco Joint Sealer Company was formally established when the 'donut' became patented. When word spread of this invention, Zopfi set up a small shop behind his plumbing business to begin producing the Donut. Thus, Fernco was set on its course for the future.

When Darrell Cooper joined the team, he had a philosophy of working closely with wholesale distributors to provide products in a timely manner. This would prove to be a core value that was as important then as it is today.

In 1973 Dallas, Texas requested a bid for the first Fernco Coupling to fit a pipe without a bell housing. Cooper saw this product as an opportunity for vast growth and established couplings in the market. Fernco then moved to its current headquarters in Davison, Michigan, allowing the company to expand and expedite their manufacturing and shipping process. In 1978, Cooper was named President of the company and purchased Fernco Joint Sealer Company, forming a new company, Fernco, Inc.

Fernco has continued to grow into different markets, while developing innovative and reliable products. Fernco has expanded throughout North and South America and acquired Flexseal Couplings LTD, the leading manufacturer of flexible couplings in the European market. The Flexseal acquisition positioned Fernco as the leading manufacturer and distributor of flexible couplings in the world.

In 2015, Fernco proudly invested in a new 150,000 sq. ft. manufacturing and distribution center in Davison, MI, along with state-of-the-art electric injection machines. Located a mile from previous facility, the center will allow Fernco to focus on additional product development and continue delivering exceptional customer service for the next fifty years.

Fernco's continuous growth is not to become the biggest company, but the best company. With resources from around the world, Fernco is able to create products that will meet the needs of the individual and the industry. It all comes down to Fernco's focus on the individual customer to provide a product that can be trusted with confidence.

Global Manufacturing
- United States
- Canada
- United Kingdom
- Germany
- Australia

Global Distribution
- United States
- Canada
- European Union
- Australia
- New Zealand
- Puerto Rico
- Mexico
- Brazil
Flexible Couplings

For a coupling to perform like a Fernco,

**IT MUST SAY FERNCO.**

Manufactured of tough elastomeric polyvinyl chloride (PVC), Fernco couplings are strong, resilient and not affected by soil conditions. Due to the nature and physical properties of their material, they are also resistant to chemicals, ultra-violet rays, fungus growth and normal sewer gases. And they are leak-proof, rot-proof and seal against infiltration and exfiltration.

Because of their quality and ease of installation, Fernco flexible couplings have found approval among plumbers, contractors and municipalities across the globe. Fernco couplings are used for all types of in-house and sewer applications such as drain, waste, vent piping, house-to-main, cut-ins, conductors, roof-drains and more.

All couplings are clearly marked with part number, size, and the materials that the coupling will connect to. Fernco has fast lead times with no minimum order required. For special applications, our custom design service can supply couplings for individual customer requirements. Our Flexible Couplings are the industry standard.
Standard Flexible Couplings

Fernco’s specially formulated PVC compound positively seals most sewer and drain connections.

Fernco makes the most complete line of couplings in the industry, from sizes 3/4” and larger. Custom large diameter couplings are available, along with shielded transitional couplings to ensure all pipes, underground and above-ground, can be connected with a Fernco coupling. Because Fernco couplings have earned a reputation for superior performance, you can have full confidence in their quality and reliability.

Tested designs backed by over five decades of proven experience

Available from 3/4” and larger

- Seals against infiltration and exfiltration
- Leak-proof, root-proof and resistant to many chemicals, ultra violet rays, fungus growth and normal sewer gas
- Conforms to ASTM D 5926, C 1173 and CSA B602
- Connects pipes of same or different materials and sizes
- Corrosion-resistant and rust-proof stainless steel clamps
- Made of elastomeric polyvinyl chloride (PVC)
- 4.3 PSI maximum test pressure
- 140°F maximum intermittent operating temperature
- 120°F maximum consistent operating temperature

High Torque Clamps

STANDARD on all 18” and larger couplings
STRICT BACK

1000 RC Series

Technical Data

Gasket
- Meets the material requirements of:
  - CSA B602
  - ASTM D 5926
  - ASTM C 1173
- Hardness, Shore "A", Inst. -5.0 to 65
- Tensile Strength, Min. psi - 1000
- Tear Strength, Min. 150 lbf/in
- Brittleness Temperature -40°F

1000 RC Series Clamps
- Clamp housing - 301 stainless steel
- Clamp Band - 301 stainless steel
- Clamp screw - 305 stainless steel
- Installation torque 60 lb/in
- High torque clamps installation torque 120 lb/in where applicable

NEW 6000 RC Series
- American Iron and Steel (AIS) Compliant

Shear Ring
- .012" Thick, 300 Series Stainless Steel
- Width manufactured according to coupling width (1.5", 2.13" or 4")
- Length manufactured according to coupling diameter
- Clamps spot welded in place

Coupling
- Manufactured to conform to the performance requirements of:
  - 140°F maximum intermittent operating temperature
  - 120°F maximum consistent operating temperature
RC COUPLINGS

5000 RC Series

Technical Data

Gasket
- Meets the material requirements of:
  - CSA B602
  - ASTM D 5926
  - ASTM C 1173
- Hardness, Shore “A”, Inst. +5-65
- Tensile Strength, Min. psi...1000
- Tear Strength, Min....150 lbf/in
- Brittleness Temperature.....-40°F

Shear Ring
- .012” Thick, 300 Series Stainless Steel
- Width manufactured according to coupling width (1.5”, 2.13” or 4”)
- Length manufactured according to coupling diameter
- Clamps spot welded in place

5000 RC Series Clamps
- Clamp Band - 316 stainless steel
- 6” and larger couplings incorporate two nut and bolt take-up points per band
- Installation torque 60 lb/in

Coupling
- Manufactured to conform to the performance requirements of:
  - 140°F maximum intermittent operating temperature
  - 120°F maximum consistent operating temperature

Designed to resist heavy earth loads and shear forces underground while providing improved pipe alignment

CUSTOM CONNECTIONS
Any size, any material.

www.fernco.com
(810) 503-9000
XL COUPLINGS

EXTRA Length for EXTRA Strength

Create greater confidence in your extreme condition pipe connections. The Fernco XL Coupling is built longer to be stronger, and more durable than any other coupling in the market.

Technical Specs

Gasket
- Manufactured to the requirements of:
  - ASTM C 1173
  - ASTM D 5926
  - CSA B602
- Hardness, Shore “A”, Inst. –+5 .......... 65
- Tensile Strength, Min. psi................ 1000
- Elongation at Rupture, Min. % ......... 250
- Tear Strength, Min................. 150 in/lb.
- Brittleness Temperature............ -40°F

Clamps
- 300 Series Stainless Steel
- Installation torque......................... 60 in/lb.

Shear Ring
- .012” thick, 300 Series Stainless Steel

Coupling
- Manufactured to the requirements of:
  - ASTM C 1173

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<th>B</th>
<th>C</th>
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<td>*1056-1502</td>
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<td>5.51</td>
<td>7.85</td>
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</tbody>
</table>

*Equipped with two clamps per coupling - not including shield.

*EXTRA Length for EXTRA Strength

www.fernco.com
(810) 503-9000
Fernco Chemical Couplings provide a flexible and watertight connection on drainage systems that require a high chemical resistance to a wide range of chemicals. Manufactured to meet specific site requirements, Fernco Chemical Couplings withstand the widest possible range of chemicals, due to the shear band and clamping bands encasing a high-performance elastomeric sleeve with a chemically resistant one-piece Fluoropolymer (FEP) liner and expanded PTFE seals.

- Transitions dissimilar chemical piping and sizes
- Chemical resistant drain system, connects chemical waste piping to chemical waste tanks
- One piece Fluoropolymer (FEP) liner
- Suitable for above & below ground use
- Max temp: 212°F consistent, 266°F intermittent
- 4.3 PSI maximum test pressure

### Installation Steps:

1. Marking the pipe
2. Applying the tape
3. Heating the sleeve
4. Clamping the coupling

<table>
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<tr>
<th>Part Number</th>
<th>Description</th>
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<th>Max. Inch</th>
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<td>2&quot; PL/CI/GL or 1 1/2&quot; DU</td>
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<td>CC115G</td>
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Puddle Flange

• Stops Water Infiltration and Exfiltration
• Stops Radon Gas
• Easy Installation and Cost-Effective Solution
• Good Chemical Resistance
• Suitable for All Pipe Materials
• Install in Ceilings, Floors and Walls

Fabricated Specify pipe OD when ordering

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<th>Part Number</th>
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Corrugated Pipe Couplings

Connect ADS and Hancor corrugated polyethylene to plastic

Technical Data

• Available in 3", 4" 6" and 8" sizes
• Conforms to ASTM D5926
• Connects corrugated polyethylene drainage and irrigation systems to sewer, drain or DWV plastic pipe

<table>
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<th>Min. Pipe Size</th>
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**HTRC Corrugated Pipe Couplings**

Large Diameter Corrugated Pipe Couplings - 10" up to 60"

**Corrugated Polyethylene to Plastic**

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**Corrugated Polyethylene to Corrugated Polyethylene**

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<tr>
<td>1071-5454HTRC</td>
<td>61.0</td>
<td>1549</td>
<td>61.0</td>
</tr>
<tr>
<td>1071-6060HTRC</td>
<td>66.8</td>
<td>1697</td>
<td>66.8</td>
</tr>
</tbody>
</table>

**Flexible Couplings**

**HTRC Corrugated Pipe Couplings**

- **Ultimate Shear Resistance** - .012" (12mil) 300 series stainless steel shear ring offers greater sealing force on corrugated pipe and ensures a water tight seal is maintained.

- **Ultimate Pipe Alignment** - Due to the thickness and strength of the shear ring, you are assured consistent pipe alignment against shear forces from soil compaction, shifting and settling.

- **Ultimate Sealing High Torque Clamps** - 301 series stainless steel High Torque Clamps, offering greater sealing power and excellent corrosion resistance. All 10 inch diameter couplings are 6 inches wide with 2 clamp areas, and all 12 inch diameter and larger couplings are 10 inches wide with 4 clamp areas.

- **Ultimate Sealing Gasket** - The flexible PVC gasket has a smooth inside surface providing greater sealing performance than ribbed rubber gaskets. The smooth internal wall of the gasket makes contact 360° over its entire length. This equates to a larger sealing surface and a higher coefficient of friction, providing maximum sealing capabilities as well as preventing slippage under the weight of shear forces.

**Additional sizes available upon request**
Large Diameter Couplings
For non-standard or special size applications

The ideal coupling for repairs, alterations or rehabilitation of large diameter sewer pipe. These couplings are made from flexible PVC and offer easy installation and leak free connections. They are engineered for use with all common sewer piping materials: clay, concrete, cast and ductile iron, AC, plastic or fiberglass.

LDC TECHNICAL SPECS

- 10 inches wide
- 4 - Series 304 stainless steel High Torque Clamps with multiple take up points
- Up to 120 in-lbs of torque for greater sealing pressure

*Where O.D. differences range from 1-1/4" - 12", a Fernco bushing system is available.

CUSTOM CONNECTIONS
Any size, any material.

Expanded Range LDC Couplings

- Connect similar and dissimilar pipe materials with O.D's up to 12"
- Interlocking bushing system
- Reduces customer cost by utilizing one coupling and bushing configuration
- Reduces multiple couplings and intermediate pipe
Western Series Center Stop Couplings & Bushings

Technical Data
- Center stop coupling with bushing inserts
- Bushings available for 4", 6" and 8" transitions of clay, cast iron, plastic and AC:
  - Sch 40 PVC, ABS plastic and SDR-35 Plastic
  - Bead, bauld and plain-end cast iron
  - Rough barrel and machined-end AC
  - Ductile iron
- 300 series stainless steel band clamps, 316 series available

<table>
<thead>
<tr>
<th>Bushings</th>
<th>Part Number</th>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>481-2.38</td>
<td>5.38&quot; x 2.38&quot;</td>
<td>Clay to PECI</td>
</tr>
<tr>
<td></td>
<td>481-3.38</td>
<td>5.38&quot; x 3.38&quot;</td>
<td>Clay to PECI</td>
</tr>
<tr>
<td></td>
<td>481-3.50</td>
<td>5.38&quot; x 3.50&quot;</td>
<td>Clay to Bead CI, PL or XHCI</td>
</tr>
<tr>
<td></td>
<td>481-4.25</td>
<td>5.38&quot; x 4.25&quot;</td>
<td>Clay to SDR-35 or PVC</td>
</tr>
<tr>
<td></td>
<td>481-4.38</td>
<td>5.38&quot; x 4.39&quot;</td>
<td>Clay to PECI or Bald CI (J)</td>
</tr>
<tr>
<td></td>
<td>481-4.50</td>
<td>5.38&quot; x 4.50&quot;</td>
<td>Clay to ABS or Sch. 40</td>
</tr>
<tr>
<td></td>
<td>481-4.63</td>
<td>5.38&quot; x 4.63&quot;</td>
<td>Clay to Bead CI or MEAC (C)</td>
</tr>
<tr>
<td></td>
<td>481-4.90</td>
<td>5.38&quot; x 4.90&quot;</td>
<td>Clay to RBAC or CI 150 DI (B)</td>
</tr>
<tr>
<td></td>
<td>681-6.38</td>
<td>7.98&quot; x 6.37&quot;</td>
<td>Clay to PECI or PVC (J)</td>
</tr>
<tr>
<td></td>
<td>681-6.63</td>
<td>7.98&quot; x 6.62&quot;</td>
<td>Clay to ABS, Bead CI or MEAC (C)</td>
</tr>
<tr>
<td></td>
<td>881-8.38</td>
<td>10.18&quot; x 8.42&quot;</td>
<td>Clay to PECI or PVC (J)</td>
</tr>
<tr>
<td></td>
<td>881-8.63</td>
<td>10.18&quot; x 9.00&quot;</td>
<td>Clay to ABS, Bead CI or MEAC</td>
</tr>
<tr>
<td></td>
<td>881-9.00</td>
<td>10.18&quot; x 9.00&quot;</td>
<td>Clay to RBAC or CI 150 DI (B)</td>
</tr>
<tr>
<td></td>
<td>885-8.38</td>
<td>9.00&quot; x 8.42&quot;</td>
<td>AC to PECI or PVC</td>
</tr>
<tr>
<td></td>
<td>885-8.63</td>
<td>9.00&quot; x 8.64&quot;</td>
<td>Clay to ABS, Bead CI or MEAC</td>
</tr>
</tbody>
</table>

Technical Data
- 1002 EB
  - Clay to Cast Iron or Plastic
- 1006 EB
  - Concrete to Cast Iron or Plastic
- 1051 EB
  - AC or Ductile Iron to Cast Iron or Plastic
- 1055 EB
  - AC or Ductile Iron to AC or Ductile Iron
- 1056 EB
  - Cast Iron, Plastic, Copper, Steel or Lead to Cast Iron, Plastic, Copper, Steel or Lead

Ultra Rib Couplings
Effectively connect sewer pipe

<table>
<thead>
<tr>
<th>Eccentric Bushings &amp; Couplings Maintain a continuous flow-line in critical grade conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Data</td>
</tr>
<tr>
<td>• Available for all common sewer pipe</td>
</tr>
<tr>
<td>• Aligns the inside wall of the two pipes</td>
</tr>
<tr>
<td>• Provides and obstruction free flow</td>
</tr>
<tr>
<td>• Meets ASTM C 1173 and D 5926</td>
</tr>
<tr>
<td>• 300 series stainless steel clamps</td>
</tr>
<tr>
<td>• Maximum test pressure 4.3 PSI</td>
</tr>
</tbody>
</table>

www.fernco.com
(810) 503-9000
Qwik Caps
Quick, reusable caps for pipe ends, testing & cleanouts

**Technical Data**
- Underground or above-ground applications
- Complies to ASTM D 5926
- 300 stainless steel clamps
- Maximum operating temperature: 140°F intermittent
- Maximum test pressure: 4.3 PSI
- Permanent seal

**Nominal Qwik Caps**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>I.D.</th>
<th>Min.</th>
<th>Max.</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>QC-101</td>
<td>1.86</td>
<td>1.61</td>
<td>1.95</td>
<td>1 1/2&quot; PL, CI, Copper or ST</td>
</tr>
<tr>
<td>QC-102</td>
<td>2.34</td>
<td>1.94</td>
<td>2.48</td>
<td>2&quot; PL, CI, Copper or ST or 1 1/2&quot; Durion</td>
</tr>
<tr>
<td>QC-103</td>
<td>3.48</td>
<td>3.09</td>
<td>3.63</td>
<td>3&quot; PL, CI, Copper or ST</td>
</tr>
<tr>
<td>QC-104</td>
<td>4.47</td>
<td>3.96</td>
<td>4.60</td>
<td>4&quot; PL, CI, Copper, ST or Triple Wall</td>
</tr>
<tr>
<td>QC-105</td>
<td>5.57</td>
<td>5.03</td>
<td>5.85</td>
<td>5&quot; PL, CI, Copper or ST or 4&quot; Clay or Concrete</td>
</tr>
<tr>
<td>QC-106</td>
<td>6.63</td>
<td>6.13</td>
<td>6.83</td>
<td>6&quot; PL, CI, Copper, ST or SS or 5&quot; EC, OB, AC or Concrete</td>
</tr>
<tr>
<td>QC-108</td>
<td>8.63</td>
<td>7.70</td>
<td>9.11</td>
<td>8&quot; PL, CI, Copper, ST or SS or 6&quot; WC</td>
</tr>
<tr>
<td>QC-10 (TC-10)</td>
<td>10.47</td>
<td>9.88</td>
<td>11.00</td>
<td>10&quot; PL, CI, Copper, ST or SS or 8&quot; Concrete</td>
</tr>
<tr>
<td>QC-112</td>
<td>12.49</td>
<td>11.41</td>
<td>13.33</td>
<td>12&quot; PL, CI, ST, Ductile or AC or 10&quot; WC, EC or Concrete</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part Number</th>
<th>I.D.</th>
<th>Min.</th>
<th>Max.</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>QC-0.85</td>
<td>0.85</td>
<td>0.79</td>
<td>0.91</td>
<td>1/2&quot; PL or ST or 3/4&quot; Copper or SS</td>
</tr>
<tr>
<td>QC-1.07</td>
<td>1.07</td>
<td>1.00</td>
<td>1.12</td>
<td>3/4&quot; PL or ST or 1&quot; Copper or SS</td>
</tr>
<tr>
<td>QC-1.38</td>
<td>1.37</td>
<td>1.22</td>
<td>1.50</td>
<td>1&quot; PL or ST or 1 1/4&quot; Copper or SS</td>
</tr>
<tr>
<td>QC-1.68</td>
<td>1.68</td>
<td>1.37</td>
<td>1.87</td>
<td>1 1/4&quot; PL or ST or 1 1/2&quot; Copper or SS</td>
</tr>
<tr>
<td>QC-2.75</td>
<td>2.75</td>
<td>2.18</td>
<td>2.93</td>
<td>2&quot; Durion</td>
</tr>
<tr>
<td>QC-3.75</td>
<td>3.76</td>
<td>3.29</td>
<td>4.00</td>
<td>3&quot; Durion or 4&quot; SS</td>
</tr>
<tr>
<td>QC-4.75</td>
<td>4.82</td>
<td>4.32</td>
<td>5.05</td>
<td>4&quot; Durion, Ductile, OB or Corrugated or 5&quot; SS</td>
</tr>
<tr>
<td>QC-7.00</td>
<td>6.96</td>
<td>6.44</td>
<td>7.25</td>
<td>5&quot; WC or 6&quot; Ductile, AC, OB or Corrugated</td>
</tr>
<tr>
<td>QC-9.00</td>
<td>9.01</td>
<td>8.59</td>
<td>9.34</td>
<td>8&quot; Ductile, OB, AC or Corrugated</td>
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<tr>
<td>QC-9.75</td>
<td>9.75</td>
<td>9.29</td>
<td>10.00</td>
<td>8&quot; WC or EC</td>
</tr>
<tr>
<td>QC-10.75</td>
<td>10.74</td>
<td>10.22</td>
<td>11.15</td>
<td>10&quot; Ductile, AC or Corrugated</td>
</tr>
<tr>
<td>QC-14.00</td>
<td>14.00</td>
<td>13.23</td>
<td>14.30</td>
<td>12&quot; Concrete or Clay or 14&quot; PL</td>
</tr>
</tbody>
</table>

Qwik Caps offer a quick, easy way to cap pipe ends, cleanouts and test pipes. Made of flexible PVC, they are suitable for above-ground or underground applications on cast iron, steel, copper or plastic piping.

WC: West Coast Clay
EC: Eastern Standard Clay
OB: Orangeburg
PL: Plastic
CI: Cast Iron
AC: Asbestos Cement
ST: Steel
SS: Stainless Steel

www.fernco.com
(810) 503-9000
**Custom Large Diameter Debris Caps**

Custom fabricated from 14” and larger pipe O.D.

**Technical Data**

- Reusable or permanent debris caps for pipe ends
- Designed for direct burial on non-pressurized horizontal pipe lines
- Strong two-piece construction
  - CAP Face: Rigid durable FPVC
  - Cap Body: Flexible PVC
  - Clamps: All 300 series stainless steel with 60 lb/in installation torque
- Soil tight seal

**NOTE:** Not intended for use as a load bearing surface on vertically orientated pipe. Do not stand or step on cap surface if installed on vertically orientated pipe.

**Stainless Steel Clamps**

9/16” to 16”

Series 316 stainless and high torque clamps are available upon request

Interlocked housing and band design strengthens under tension to ensure a positive seal. Bands have additional slots to accommodate greater dimensional range.

**Torque Wrenches**

Metal construction for 5/16” hex head screws, preset to 60 in. lbs. torque

**TW-100**

Built-in reversing lever

**TW-200**

Finger grip reversing collar

Recommended for Fernco couplings and other banded Fernco products.
Fernco QwikSeal

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Pipe Inlet</th>
<th>Host Pipe Size Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>QS-4</td>
<td>4&quot; SDR</td>
<td>8&quot; diameter and larger pipe</td>
</tr>
<tr>
<td>QS-4S40</td>
<td>4&quot; SCH-40</td>
<td>8&quot; diameter and larger pipe</td>
</tr>
<tr>
<td>QS-6</td>
<td>6&quot; SDR-35</td>
<td>10&quot; diameter and larger pipe</td>
</tr>
<tr>
<td>QS-6S40</td>
<td>6&quot; SCH-40</td>
<td>10&quot; diameter and larger pipe</td>
</tr>
<tr>
<td>QS-8</td>
<td>8&quot; SDR-35</td>
<td>15&quot; diameter and larger pipe</td>
</tr>
</tbody>
</table>

**NOTE** Corrugated Applications
- QS-4 and QS-4S40: 8” to 24” pipe diameter
- QS-6 and QS-6S40: 10” to 24” pipe diameter
- QS-8: 15” to 24” pipe diameter

Fernco Hole Saws

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QS-5x4HS</td>
<td>5&quot; OD x 4&quot; Deep Hole Saw with Arbor</td>
</tr>
<tr>
<td>QS-7x4HS</td>
<td>7&quot; OD x 4&quot; Deep Hole Saw with Arbor</td>
</tr>
<tr>
<td>QS-9x4HS</td>
<td>9&quot; OD x 4&quot; Deep Hole Saw with Arbor</td>
</tr>
<tr>
<td>QS-SAW5S</td>
<td>5&quot; OD x 4&quot; Deep Hole Saw</td>
</tr>
<tr>
<td>QS-SAW7S</td>
<td>7&quot; OD x 4&quot; Deep Hole Saw</td>
</tr>
<tr>
<td>QS-SAW9S</td>
<td>9&quot; OD x 4&quot; Deep Hole Saw</td>
</tr>
<tr>
<td>QS-ARBOR-S</td>
<td>3/8&quot; x 6&quot; Drill with 1/2&quot; Arbor</td>
</tr>
<tr>
<td>QS-ADAPTER</td>
<td>1 1/4&quot; x 3/4&quot; Coring Machine Adapter</td>
</tr>
</tbody>
</table>

Fernco Coring Bits

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QS-5x14CB</td>
<td>5&quot; OD x 14&quot; Length Abrasive Coring Bit</td>
</tr>
<tr>
<td>QS-7x14CB</td>
<td>7&quot; OD x 14&quot; Length Abrasive Coring Bit</td>
</tr>
<tr>
<td>QS-9x14CB</td>
<td>9&quot; OD x 14&quot; Length Abrasive Coring Bit</td>
</tr>
</tbody>
</table>

Technical Data

- Meets ASTM C 923
- When tested in concrete manholes
  - Creates water-tight, compression seal up to 10 PSI
  - Withstands up to 7° of deflection
- Easy color identification - gray Sch 40 - green SDR-26 & 35
- Independent of host pipe size, type or material
- Reduced complexity, many solutions with one QwikSeal
- Less inventory and more turns

Connect service pipe to solid wall, profile, closed profile and corrugated pipe with QwikSeal
QwikSeal Installation

1. Core a perpendicular hole to the main line:
   - 5” hole for 4” pipe inlet
   - 7” hole for 6” pipe inlet
   - 9” hole for 8” pipe inlet

2. Use sand paper or a file, clean and remove any burrs from opening.

3. Remove band clamp from QwikSeal, fold and insert into opening. Unfold.

4. Pull up on QwikSeal until it stops against the inside of the pipe.

5. Measure the depth of the QwikSeal, from the pipe stop to the top edge.

6. Measure the depth of the fitting to be attached pipe stub. See alternative method below.

7. Add the dimensions of the QwikSeal and the fitting and cut a stub to that length.

8. Bevel the leading edge of the pipe stub for easier insertion into the QwikSeal.

9. Lubricate the QwikSeal and pipe stub.

10. Start the pipe stub into the QwikSeal by hand.

11. Using a hammer and block of wood, drive the pipe stub to the QwikSeal pipe stop.

12. Install the band clamp at 60 in-lbs. torque.

13. Install pipe fitting. Fitting should sit flush with the surface of the QwikSeal.

Alternative Methods to Stub and Fitting

**Bell End Pipe:** You may also use the bell end of a piece of SDR-35 or SCH-40 instead of the stub and fitting method. After measuring the depth of the QwikSeal in step 5, transfer this measurement to the bell end of your inlet pipe, measuring from the bell. (Figure A) Proceed with steps 8 - 12.

**Street Fittings:** Street fittings may also be used with QwikSeal. (Figure B)
Tap Saddles & Pressure Kit

Tap Saddle Technical Data

- Conforms to ASTM D 5926
- Manufactured from a specially formulated high durometer PVC
- Includes special 300 series stainless steel ‘slip-lock’ clamps for a fast and simple installation on any type of pipe from 6”-15”*
- A larger apron with locating ring fits 5” or 7” standard shell cutters
- Large band grooves
- Ensures a soil-tight seal
- Available for most 4” or 6” plastic or cast iron drain pipe inlets in Tee or Wye configurations
- 4” saddle fits 6” and larger host pipe
- 6” saddle fits 8” and larger host pipe

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TST-4</td>
<td>4” CI or PL Inlet - Tee Tap Saddle</td>
</tr>
<tr>
<td>TST-6</td>
<td>6” CI or PL Inlet - Tee Tap Saddle</td>
</tr>
<tr>
<td>TSW-4</td>
<td>4” CI or PL Inlet - Wye Tap Saddle</td>
</tr>
<tr>
<td>TSW-6</td>
<td>6” CI or PL Inlet - Wye Tap Saddle</td>
</tr>
<tr>
<td>*312-300</td>
<td>Extension Clamps larger than 15” sewer mains</td>
</tr>
</tbody>
</table>

TSPK Technical Data

- Bentonite tape provides a water tight seal
- Pressure tested to 10 PSI
- Coated steel reinforcing bars apply an even sealing pressure
- Includes two special 300 series stainless steel ‘slip-lock’ clamps for a fast and simple installation

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSPK-46</td>
<td>Pressure kit for Fernco Flexible Tap Saddles - Fits models: TST-4, TST-6, TSW-4, TSW-6</td>
</tr>
</tbody>
</table>

Flexible Tap Saddles provide a soil-tight seal. Use Fernco Tap Saddle Pressure Kit (TSPK-46) for a water-tight connection up to 10 PSI.
Pow-R Patch is a complete repair kit that includes a pre-coated fiberglass cloth in a self-contained mixing pouch and a pair of protective gloves. Pow-R Patch is simple, fast and delivers long-term solutions.

Technical Data
- Holds up to 100 PSI
- Heat resistant to 425°F

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP-P46</td>
<td>4&quot; x 6&quot; fiberglass and epoxy patch</td>
</tr>
</tbody>
</table>

Pow-R Wrap is a water activated fiberglass wrap that permanently repairs wet or dry pipe and hose. Pow-R Wrap is a self-contained kit including everything you need to repair a magnitude of applications.

**Technical Data**
- Water activated
- Fiberglass wrap
- Heat resistant to 425°F
- Conforms to standard water main pressure test
- Cures in 30-60 mins.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Pipe Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPW248CS</td>
<td>2&quot; x 48&quot; wrap</td>
<td>Up to 1&quot;</td>
</tr>
<tr>
<td>FPW3132CS</td>
<td>3&quot; x 132&quot; wrap</td>
<td>1-1/4&quot; to 3&quot;</td>
</tr>
<tr>
<td>FPW4252CS</td>
<td>4&quot; x 252&quot;</td>
<td>3&quot; to 6&quot;</td>
</tr>
</tbody>
</table>

Pow-R Wrap Industrial with Pow-R Belt is a permanent solution to structurally strengthen large diameter pipes from 8"-50". Eliminate pipe replacement with hands-free cure time and a smooth, professional finish.

**Technical Data**
- Heat resistant to 425°F
- Conforms to standard water main pressure test
- Cures in 60-90 mins. at 55°-75°F
- Safe for drinking water systems
- Repairs up to 1/4" W x 4" L
- Impervious to water, oil, and most chemicals, solvents and acids when cured

**FPW8540S-1**
- 1 KIT 8" X 540" Pow-R Wrap

<table>
<thead>
<tr>
<th>Pipe Outside Diameter</th>
<th>Number of Kits REQUIRED</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;-18&quot;</td>
<td>1 KITS</td>
</tr>
<tr>
<td>20&quot;-24&quot;</td>
<td>2 KITS</td>
</tr>
<tr>
<td>26&quot;-34&quot;</td>
<td>3 KITS</td>
</tr>
<tr>
<td>36&quot;-42&quot;</td>
<td>4 KITS</td>
</tr>
<tr>
<td>44&quot;-50&quot;</td>
<td>5 KITS</td>
</tr>
</tbody>
</table>
**Multi-Tite Pipe Gaskets**
Pipe gasket for service weight cast iron pipe

**Technical Data**
- Meets ASTM C564
- Multi rings on the outside create an easy installation
- Seals sewer pipe joints and connections such as sockets, hubs, bells and spigots

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM-2</td>
<td>2” I.D. Pipe</td>
</tr>
<tr>
<td>CM-3</td>
<td>3” I.D. Pipe</td>
</tr>
<tr>
<td>CM-4</td>
<td>4” I.D. Pipe</td>
</tr>
<tr>
<td>CM-5</td>
<td>5” I.D. Pipe</td>
</tr>
<tr>
<td>CM-6</td>
<td>6” I.D. Pipe</td>
</tr>
<tr>
<td>CM-8</td>
<td>8” I.D. Pipe</td>
</tr>
<tr>
<td>CM-10</td>
<td>10” I.D. Pipe</td>
</tr>
<tr>
<td>CM-12</td>
<td>12” I.D. Pipe</td>
</tr>
<tr>
<td>CM-14</td>
<td>14” I.D. Pipe</td>
</tr>
<tr>
<td>CM-16</td>
<td>16” I.D. Pipe</td>
</tr>
</tbody>
</table>

**Concrete Manhole Adapters**
Eliminate leaks around pipes entering manhole walls

CMAs and LDCMAs are corrosion proof and unaffected by acid or alkali, however may be subjected to various conditions that are beyond the manufacturer’s control. Discretion must be used in it’s application and installation. CMAs are designed for cast iron and plastic connections and the LDCMAs are custom fabricated to size.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>SVG-2</td>
<td>2” service weight cast iron</td>
</tr>
<tr>
<td>SVG-3</td>
<td>3” service weight cast iron</td>
</tr>
<tr>
<td>SVG-4</td>
<td>4” service weight cast iron</td>
</tr>
<tr>
<td>SVG-5</td>
<td>5” service weight cast iron</td>
</tr>
<tr>
<td>SVG-6</td>
<td>6” service weight cast iron</td>
</tr>
<tr>
<td>SVG-8</td>
<td>8” service weight cast iron</td>
</tr>
<tr>
<td>SVG-10</td>
<td>10” service weight cast iron</td>
</tr>
<tr>
<td>SVG-12</td>
<td>12” service weight cast iron</td>
</tr>
<tr>
<td>SVG-15</td>
<td>15” service weight cast iron</td>
</tr>
</tbody>
</table>

For custom sizes, order by specifying the pipe O.D. which is to receive the adapter. Minimum size: 8.5 inches O.D.

Due to the factors that can influence the effectiveness as a seal, Fernco does not warrant this product as a positive seal.
**Fernco Donuts**
Sewer pipe compression joint seal

Fernco Donuts are flexible PVC donut-shaped rings for the compression sealing of sewer pipe joints and DWV connections such as sockets, hubs, bells and spigots.

Fernco Donuts are available in hundreds of sizes and configurations to use with most brands and types of piping material.

**O-Rings**
Connects 4” house pipe to 6” sewer pipe

O-rings provide a quick, simple solution to create secure connections between most 4” house pipe and 6” sewer pipe.

**Technical Data**

- Meets ASTM C 443 and C 425
- Connects CI or plastic house pipe to clay, plastic, concrete or A/C sewer pipe

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BR-64</td>
<td>Rolling style rubber O-Ring</td>
</tr>
</tbody>
</table>

Installs quickly and easily.
For 4.20” - 4.60” O.D. house pipe
Fits 5.75” - 6.00” I.D. sewer pipe

Give us a call.
Our sales coordinators are trained to assist you in making the right part selection.
Ultimate Drainage Solution

StormDrain Plus ensures a long-lasting, permanent solution to the collection and dispersal of standing surface water.

Technical Data

- Designed to withstand automotive weight for Class B (loads of 61-175 psi), medium-duty pneumatic tire traffic, autos and light trucks at speeds less than 20 mph.
- All products are “UV” inhibited
- Grates are ADA and heel guard compliant
- Grates have a non-slip textured surface
- Clips or screws are not required to assemble
- Concave grates trap and transfer water

Part Number Description

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSDP-CHGG</td>
<td>39.5” grey Channel with grate</td>
</tr>
<tr>
<td>FSDP-GP3G</td>
<td>Three pieces of grey Channel with grate, one End Cap and one End Outlet</td>
</tr>
<tr>
<td>FSDP-QUAD</td>
<td>Four-way connector</td>
</tr>
<tr>
<td>FSDP-EC</td>
<td>End Cap</td>
</tr>
<tr>
<td>FSDP-EO</td>
<td>End Outlet</td>
</tr>
</tbody>
</table>

Replacement Part Number Description

<table>
<thead>
<tr>
<th>Replacement Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSDP-CH</td>
<td>Grey Channel ONLY</td>
</tr>
<tr>
<td>FSDP-GG</td>
<td>Grey grate ONLY</td>
</tr>
</tbody>
</table>

STRONG & EASY

Ideal for driveways, patios, swimming pools, sports courts, gardens and more!
**Downspout Connectors**

Seal out debris by connecting downspouts

Downspout Connectors stretch easily over most common downspouts to seal out debris. Ideal for aluminum, steel or plastic downspouts and cast iron, spiral, corrugated or plastic drain pipe.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Drain Pipe</th>
<th>Downspout</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSC-43</td>
<td>4’</td>
<td>3” x 2” rectangular, 3” round or 2-1/2” square</td>
</tr>
<tr>
<td>DSC-33</td>
<td>3”</td>
<td></td>
</tr>
<tr>
<td>DSC-534</td>
<td>4’</td>
<td>5” x 3” rectangular</td>
</tr>
</tbody>
</table>

**Universal Downspout Connectors**

For the connection of standard and non-standard downspouts

The unique design of Ferco’s Universal Downspout Connector allows for the connection of standard and non-standard downspouts to 6” sewer pipe and offset installations.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UDSC-6C</td>
<td>6” Cap for DWV pipe exposed above ground, fitting the O.D. of PVC and CI and a 6” or less downspout</td>
</tr>
<tr>
<td>UDSC-6P</td>
<td>6” Plug for DWV pipe cut off at grade level, fitting any 6” I.D. sewer pipe and a 5.75” or less downspout</td>
</tr>
</tbody>
</table>

**Technical Data**

- Commercial and residential applications
- Will not shrink or crack
- Rot-proof
- Allows offset installation
- Simple trace-and-cut installation
<table>
<thead>
<tr>
<th>NOMINAL PIPE SIZE</th>
<th>STANDARD</th>
<th>STRONG BACK 1000 RC SERIES</th>
<th>STRONG BACK 5000 RC SERIES</th>
<th>ECCENTRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; x 4&quot; (100 mm x 100 mm)</td>
<td>5.30 x 5.30</td>
<td>5.30 x 5.30</td>
<td>5.30 x 5.30</td>
<td>1001-44RC</td>
</tr>
<tr>
<td>4&quot; x 4&quot; WC (100 mm x 100 mm)</td>
<td>5.60 x 5.60</td>
<td>5.60 x 5.60</td>
<td>5.51 x 5.51</td>
<td>1001-44WRC</td>
</tr>
<tr>
<td>5&quot; x 4&quot; (125 mm x 100 mm)</td>
<td>6.05 x 5.55</td>
<td>6.05 x 5.54</td>
<td>6.05 x 5.54</td>
<td>1001-54RC</td>
</tr>
<tr>
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<td>6.10 x 6.10</td>
<td>6.10 x 6.10</td>
<td>6.48 x 6.48</td>
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<tr>
<td>6&quot; x 4&quot; (150 mm x 100 mm)</td>
<td>7.40 x 5.55</td>
<td>7.50 x 5.50</td>
<td>7.39 x 5.63</td>
<td>1001-64RC</td>
</tr>
<tr>
<td>6&quot; x 4&quot; WC (150 mm x 100 mm)</td>
<td>8.00 x 5.45</td>
<td>7.39 x 5.63</td>
<td>7.39 x 5.63</td>
<td>1001-64WRC</td>
</tr>
<tr>
<td>6&quot; x 5&quot; (150 mm x 125 mm)</td>
<td>7.50 x 6.65</td>
<td>7.35 x 6.61</td>
<td>7.35 x 6.61</td>
<td>1001-65RC</td>
</tr>
<tr>
<td>6&quot; x 6&quot; (150 mm x 150 mm)</td>
<td>7.50 x 7.50</td>
<td>7.50 x 7.50</td>
<td>7.50 x 7.50</td>
<td>1001-66RC</td>
</tr>
<tr>
<td>6&quot; x 6&quot; WC (150 mm x 150 mm)</td>
<td>8.00 x 8.00</td>
<td>8.00 x 8.00</td>
<td>8.01 x 8.01</td>
<td>1001-66WRC</td>
</tr>
<tr>
<td>8&quot; x 4&quot; (200 mm x 100 mm)</td>
<td>9.80 x 5.15</td>
<td>9.50 x 5.13</td>
<td>9.50 x 5.13</td>
<td>1001-84RC</td>
</tr>
<tr>
<td>8&quot; x 6&quot; (200 mm x 150 mm)</td>
<td>9.80 x 7.15</td>
<td>9.65 x 7.20</td>
<td>9.50 x 7.13</td>
<td>1001-86RC</td>
</tr>
<tr>
<td>8&quot; x 6&quot; WC (200 mm x 150 mm)</td>
<td>10.00 x 7.65</td>
<td>10.00 x 7.65</td>
<td>9.96 x 7.8</td>
<td>1001-86WRC</td>
</tr>
<tr>
<td>8&quot; x 8&quot; (200 mm x 200 mm)</td>
<td>9.65 x 9.65</td>
<td>9.65 x 9.65</td>
<td>9.65 x 9.65</td>
<td>1001-88RC</td>
</tr>
<tr>
<td>8&quot; x 8&quot; WC (200 mm x 200 mm)</td>
<td>10.00 x 10.00</td>
<td>10.00 x 10.00</td>
<td>9.96 x 9.96</td>
<td>1001-88WRC</td>
</tr>
<tr>
<td>10&quot; x 8&quot; (250 mm x 200 mm)</td>
<td>12.50 x 9.65</td>
<td>12.50 x 9.65</td>
<td>12.50 x 9.65</td>
<td>1001-10-8RC</td>
</tr>
<tr>
<td>10&quot; x 10&quot; (250 mm x 250 mm)</td>
<td>12.50 x 12.50</td>
<td>12.50 x 12.50</td>
<td>12.40 x 12.40</td>
<td>1001-1010RC</td>
</tr>
<tr>
<td>10&quot; x 10&quot; WC (250 mm x 250 mm)</td>
<td>12.50 x 12.50</td>
<td>12.50 x 12.50</td>
<td>12.40 x 12.40</td>
<td>1001-1010WC</td>
</tr>
<tr>
<td>12&quot; x 10&quot; (300 mm x 250 mm)</td>
<td>14.50 x 12.50</td>
<td>14.50 x 12.50</td>
<td>14.50 x 12.50</td>
<td>1001-1210RC</td>
</tr>
<tr>
<td>12&quot; x 12&quot; (300 mm x 300 mm)</td>
<td>14.50 x 14.50</td>
<td>14.50 x 14.50</td>
<td>14.51 x 14.51</td>
<td>1001-1212RC</td>
</tr>
<tr>
<td>12&quot; x 12&quot; WC (300 mm x 300 mm)</td>
<td>15.25 x 15.25</td>
<td>15.25 x 15.25</td>
<td>15.25 x 15.25</td>
<td>1001-1212WC</td>
</tr>
<tr>
<td>15&quot; x 10&quot; (375 mm x 250 mm)</td>
<td>18.15 x 12.60</td>
<td>18.15 x 12.60</td>
<td>18.14 x 12.60</td>
<td>1001-1510RC</td>
</tr>
<tr>
<td>15&quot; x 12&quot; (375 mm x 300 mm)</td>
<td>18.00 x 14.30</td>
<td>18.15 x 14.40</td>
<td>18.14 x 14.38</td>
<td>1001-1512RC</td>
</tr>
<tr>
<td>15&quot; x 15&quot; (375 mm x 375 mm)</td>
<td>18.15 x 18.15</td>
<td>18.15 x 18.15</td>
<td>18.14 x 18.4</td>
<td>1001-1515RC</td>
</tr>
<tr>
<td>18&quot; x 18&quot; (450 mm x 450 mm)</td>
<td>22.00 x 22.00</td>
<td>22.00 x 22.00</td>
<td>22.00 x 22.00</td>
<td>1001-1818RC</td>
</tr>
<tr>
<td>21&quot; x 21&quot; (525 mm x 525 mm)</td>
<td>24.50 x 24.50</td>
<td>24.50 x 24.50</td>
<td>24.50 x 24.50</td>
<td>1001-2121RC</td>
</tr>
<tr>
<td>24&quot; x 24&quot; (600 mm x 600 mm)</td>
<td>29.00 x 29.00</td>
<td>29.00 x 29.00</td>
<td>29.00 x 29.00</td>
<td>1001-2424RC</td>
</tr>
<tr>
<td>27&quot; x 27&quot; (700 mm x 700 mm)</td>
<td>32.40 x 32.40</td>
<td>32.40 x 32.40</td>
<td>32.40 x 32.40</td>
<td>1001-2727RC</td>
</tr>
</tbody>
</table>
## 1002 Series Couplings
Clay to CI, Plastic, Copper, Steel or Lead

* Insert bushing included

<table>
<thead>
<tr>
<th>NOMINAL PIPE SIZE</th>
<th>STANDARD</th>
<th>STRONG BACK 1000 RC SERIES</th>
<th>STRONG BACK 5000 RC SERIES</th>
<th>ECCENTRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>4” x 4” (100 mm x 100 mm)</td>
<td>5.25 x 4.50 1002-44</td>
<td>5.40 x 4.50 1002-44RC</td>
<td>5.36 x 4.56 5002-44RCC*</td>
<td>5.25 x 4.40 1002-44EB</td>
</tr>
<tr>
<td>4” x 4” WC (100 mm x 100 mm)</td>
<td>5.40 x 4.55 1002-44WC</td>
<td>5.40 x 4.55 1002-44WCRCC</td>
<td>5.44 x 4.55 5002-44WCRCC*</td>
<td></td>
</tr>
<tr>
<td>4” x 4” SDR (100 mm x 100 mm)</td>
<td></td>
<td></td>
<td>5.29 x 4.38 5002-44SDDRRC*</td>
<td></td>
</tr>
<tr>
<td>5” x 4” (125 mm x 100 mm)</td>
<td>6.05 x 4.40 1002-54</td>
<td>6.65 x 4.40 1002-54RCC*</td>
<td>6.65 x 4.40 1002-54EB</td>
<td></td>
</tr>
<tr>
<td>5” x 5” (125 mm x 125 mm)</td>
<td>6.05 x 5.55 1002-55</td>
<td>6.65 x 5.50 1002-55RCC</td>
<td>6.65 x 5.50 1002-55EB</td>
<td></td>
</tr>
<tr>
<td>6” x 4” (150 mm x 100 mm)</td>
<td>7.35 x 4.30 1002-64*</td>
<td>7.50 x 4.50 1002-64RCC*</td>
<td>7.50 x 4.50 1002-64EC</td>
<td></td>
</tr>
<tr>
<td>6” x 4” SDR (150 mm x 100 mm)</td>
<td></td>
<td></td>
<td>7.50 x 4.40 1002-64SDRRC*</td>
<td></td>
</tr>
<tr>
<td>6” x 4” WC (150 mm x 100 mm)</td>
<td>8.00 x 4.50 1002-64WC*</td>
<td>8.00 x 4.50 1002-64WCRCC*</td>
<td>8.00 x 4.50 1002-64WCEB</td>
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</tr>
<tr>
<td>6” x 5” (150 mm x 125 mm)</td>
<td>7.40 x 5.55 1002-65</td>
<td>7.50 x 5.60 1002-65RCC</td>
<td>7.50 x 5.60 1002-65EB*</td>
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</tr>
<tr>
<td>6” x 6” (150 mm x 150 mm)</td>
<td>7.50 x 6.65 1002-66</td>
<td>7.50 x 6.65 1002-66RCC</td>
<td>7.50 x 6.40 1002-66EB</td>
<td></td>
</tr>
<tr>
<td>6” x 6” SDR (150 mm x 150 mm)</td>
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<td></td>
<td>7.50 x 6.40 1002-66SDRRC*</td>
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</tr>
<tr>
<td>6” x 6” WC (150 mm x 150 mm)</td>
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<td>8.00 x 6.65 1002-66WCRCC*</td>
<td>8.00 x 6.65 1002-66WC</td>
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<tr>
<td>8” x 4” (200 mm x 100 mm)</td>
<td>9.35 x 4.40 1002-84</td>
<td>9.65 x 4.50 1002-84RCC*</td>
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<tr>
<td>8” x 6” (200 mm x 150 mm)</td>
<td>9.35 x 6.20 1002-86</td>
<td>9.65 x 6.65 1002-86RCC*</td>
<td>9.65 x 6.40 1002-86EB</td>
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</tr>
<tr>
<td>8” x 6” WC (200 mm x 150 mm)</td>
<td>9.95 x 6.40 1002-86WC*</td>
<td>10.00 x 6.30 1002-86WCRCC</td>
<td>9.65 x 8.25 1002-88EB</td>
<td></td>
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<tr>
<td>8” x 8” (200 mm x 200 mm)</td>
<td>9.65 x 8.45 1002-88</td>
<td>9.75 x 8.60 1002-88RCC</td>
<td>9.65 x 8.25 1002-88EB</td>
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</tr>
<tr>
<td>8” x 8” SDR (200 mm x 200 mm)</td>
<td>9.95 x 8.65 1002-88WC</td>
<td>10.00 x 8.66 1002-88WCRCC</td>
<td>10.00 x 8.65 5002-88WCRCC</td>
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</tr>
<tr>
<td>10” x 8” (250 mm x 200 mm)</td>
<td>12.50 x 8.65 1002-10-8</td>
<td>12.50 x 8.50 1002-10-8RCC*</td>
<td>12.50 x 8.50 1002-10-8EB</td>
<td></td>
</tr>
<tr>
<td>10” x 10” (250 mm x 250 mm)</td>
<td>12.50 x 10.50 1002-1010</td>
<td>12.50 x 10.75 1002-1010RCC</td>
<td>12.50 x 10.60 1002-1010EB</td>
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</tr>
<tr>
<td>10” x 10” WC (250 mm x 250 mm)</td>
<td>12.60 x 10.50 1002-1010WC</td>
<td>12.50 x 10.75 1002-1010WCRCC</td>
<td>12.40 x 10.75 5002-1010WCRCC</td>
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<tr>
<td>12” x 10” (300 mm x 250 mm)</td>
<td>14.50 x 10.75 1002-1210</td>
<td>14.50 x 10.60 1002-1210RCC*</td>
<td>14.50 x 10.60 1002-1210EB</td>
<td></td>
</tr>
<tr>
<td>12” x 12” (300 mm x 300 mm)</td>
<td>14.50 x 12.50 1002-1212</td>
<td>14.50 x 12.60 1002-1212RCC</td>
<td>14.51 x 12.60 5002-1212RCC</td>
<td></td>
</tr>
<tr>
<td>12” x 12” WC (300 mm x 300 mm)</td>
<td>16.30 x 12.40 1002-1212WC</td>
<td>15.25 x 12.35 1002-1212WCRCC</td>
<td>18.15 x 12.60 1002-1212EB</td>
<td></td>
</tr>
<tr>
<td>15” x 10” (375 mm x 250 mm)</td>
<td>18.00 x 10.60 1002-1510</td>
<td>18.15 x 10.60 1002-1510RCC*</td>
<td>18.15 x 12.60 1002-1512EB</td>
<td></td>
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<tr>
<td>15” x 12” (375 mm x 250 mm)</td>
<td>18.00 x 12.60 1002-1512</td>
<td>18.15 x 12.60 1002-1512RCC*</td>
<td>18.15 x 15.40 5002-1515RCC</td>
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<td>15” x 15” (375 mm x 375 mm)</td>
<td>18.00 x 15.60 1002-1515</td>
<td>18.15 x 15.40 1002-1515RC</td>
<td>18.15 x 15.40 1002-1515EB</td>
<td></td>
</tr>
</tbody>
</table>
### 1002 Series Couplings
Clay to CI, Plastic, Copper, Steel or Lead

<table>
<thead>
<tr>
<th>NOMINAL PIPE SIZE</th>
<th>STANDARD</th>
<th>STRONG BACK 1000 RC SERIES</th>
<th>STRONG BACK 5000 RC SERIES</th>
<th>ECCENTRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>4” x 4” (100 mm x 100 mm)</td>
<td>5.30 x 4.75 1003-44</td>
<td>5.30 x 4.85 1003-44RC*</td>
<td>5.30 x 4.85 5003-44RC*</td>
<td></td>
</tr>
<tr>
<td>4” x 4” WC (100 mm x 100 mm)</td>
<td>5.60 x 4.95 1003-44WC</td>
<td>5.60 x 4.95 1003-44WCRC*</td>
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<td></td>
</tr>
<tr>
<td>4” x 6” (100 mm x 150 mm)</td>
<td>6.80 x 5.15 1003-46</td>
<td>6.95 x 5.15 1003-46RC*</td>
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</tr>
<tr>
<td>5” x 4” (125 mm x 100 mm)</td>
<td>6.05 x 4.95 1003-54*</td>
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<tr>
<td>5” x 5” (125 mm x 100 mm)</td>
<td>6.00 x 5.85 1003-55</td>
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<td></td>
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<tr>
<td>6” x 4” (150 mm x 100 mm)</td>
<td>7.40 x 5.55 1003-64</td>
<td>7.50 x 5.00 1003-64RC*</td>
<td>7.50 x 5.00 1003-64EB</td>
<td></td>
</tr>
<tr>
<td>6” x 4” WC (150 mm x 100 mm)</td>
<td>8.00 x 5.00 1003-64WC*</td>
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<td></td>
</tr>
<tr>
<td>6” x 5” (150 mm x 125 mm)</td>
<td>7.50 x 7.50 1003-65*</td>
<td></td>
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<td></td>
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<td>12” x 10” (300 mm x 250 mm)</td>
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<td>14.50 x 13.20 1003-1212RC*</td>
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### 1003 Series Couplings
Clay to AC or DI

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### 1004 Series Couplings
Concrete to Concrete

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* Insert bushing included  Red high torque clamps included  new
### 1005 Series Couplings

Concrete to Clay

- * Insert bushing included
- Red high torque clamps included

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<th>STANDARD</th>
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<th>STRONG BACK 5000 RC SERIES</th>
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### 1006 Series Couplings

Concrete to CI, Plastic, Copper, Steel or Lead

- Red high torque clamps included

#### NOMINAL PIPE SIZE

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### 1051 Series Couplings
AC, DI to CI, Plastic, Copper, Steel or Lead

* Insert bushing included *Red* high torque clamps included

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### 1051 Series Couplings

**AC, DI to CI, Plastic, Copper, Steel or Lead**

- *Insert bushing included*
- Red high torque clamps included

#### Resources

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<tr>
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<th>STRONG BACK 5000 RC SERIES</th>
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<td>18&quot; x 18&quot; (450 mm x 450 mm)</td>
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<td>24&quot; x 24&quot; (600 mm x 600 mm)</td>
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## 1055 Series Couplings

**AC or DI to AC or DI**

<table>
<thead>
<tr>
<th>NOMINAL PIPE SIZE</th>
<th>STANDARD</th>
<th>STRONG BACK 1000 RC SERIES</th>
<th>STRONG BACK 5000 RC SERIES</th>
<th>ECCENTRIC</th>
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<tbody>
<tr>
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<tr>
<td>1.50” x 1.25” (38 mm x 32 mm)</td>
<td>1.94 x 1.63</td>
<td>1056-150/125</td>
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<tr>
<td>1” x 1.50” (38 mm x 38 mm)</td>
<td>1.94 x 1.94</td>
<td>1056-150</td>
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<td>1056-150RC</td>
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<tr>
<td>2” x 1.50” (51 mm x 38 mm)</td>
<td>2.41 x 1.84</td>
<td>1056-215</td>
<td>2.41 x 1.84</td>
<td>1056-215RC</td>
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<td>2” x 2” (51 mm x 51 mm)</td>
<td>2.41 x 2.41</td>
<td>1056-22</td>
<td>2.41 x 2.41</td>
<td>1056-22RC</td>
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<tr>
<td>2.50” x 1.25” (64 mm x 32 mm)</td>
<td>2.88 x 1.63</td>
<td>1056-250/125</td>
<td>2.88 x 1.63</td>
<td>1056-250/125RC</td>
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<tr>
<td>2.50” x 1.50” (64 mm x 38 mm)</td>
<td>2.88 x 1.84</td>
<td>1056-250/150</td>
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<td>1056-250/22</td>
<td>2.88 x 2.38</td>
<td>1056-250/22RC</td>
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<td>3.55 x 2.88</td>
<td>1056-315EB</td>
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<td>3” x 2.50” (76 mm x 64 mm)</td>
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<td>1056-3/250</td>
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<td>3” x 3” (76 mm x 76 mm)</td>
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<td>1056-33</td>
<td>3.46 x 3.46</td>
<td>1056-33RC</td>
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<td>3.50 x 3.50</td>
<td>5056-33RC</td>
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<tr>
<td>4” x 1.50” (100 mm x 38 mm)</td>
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<td>1056-55</td>
<td>5.50 x 5.50</td>
<td>1056-55RC</td>
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<tr>
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<td>1056-64</td>
<td>6.65 x 4.50</td>
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<td>6” x 5” (150 mm x 125 mm)</td>
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<td>1056-65</td>
<td>6.65 x 5.62</td>
<td>1056-65RC</td>
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* Insert bushing included

**Red** High torque clamps included

## 1056 Series Couplings

**Cl, Plastic, Copper, Steel or Lead to CI, Plastic, Copper, Steel or Lead**

<table>
<thead>
<tr>
<th>NOMINAL PIPE SIZE</th>
<th>STANDARD</th>
<th>STRONG BACK 1000 RC SERIES</th>
<th>STRONG BACK 5000 RC SERIES</th>
<th>ECCENTRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>15” x 12” (375 mm x 300 mm)</td>
<td>16.10 x 12.90</td>
<td>1055-1512*</td>
<td>16.10 x 13.20</td>
<td>1055-1512EB</td>
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<tr>
<td>15” x 15” (375 mm x 375 mm)</td>
<td>16.10 x 16.10</td>
<td>1055-1515</td>
<td>16.10 x 16.10</td>
<td>1055-1515RC</td>
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<tr>
<td>18” x 18” (450 mm x 450 mm)</td>
<td>19.10 x 19.10</td>
<td>1055-1818</td>
<td>19.10 x 19.10</td>
<td>1055-1818RC</td>
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<tr>
<td>24” x 24” (600 mm x 600 mm)</td>
<td>25.80 x 25.80</td>
<td>1055-2424</td>
<td>25.80 x 25.80</td>
<td>1055-2424RC</td>
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### 1056 Series Couplings
CI, Plastic, Copper, Steel or Lead to CI, Plastic, Copper, Steel or Lead

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<thead>
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<th>NOMINAL PIPE SIZE</th>
<th>STANDARD</th>
<th>STRONG BACK 1000 RC SERIES</th>
<th>STRONG BACK 5000 RC SERIES</th>
<th>ECCENTRIC</th>
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</thead>
<tbody>
<tr>
<td>6&quot; x 6&quot; (150 mm x 150 mm)</td>
<td>6.60 x 6.60</td>
<td>6.60 x 6.60 6056-66</td>
<td>6.65 x 6.65 5056-66RC</td>
<td>* Insert bushing included</td>
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<tr>
<td>8&quot; x 4&quot; (200 mm x 150 mm)</td>
<td>8.51 x 4.38</td>
<td>8.64 x 4.50 6056-84</td>
<td>8.64 x 4.38 1056-84EB</td>
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<td>8&quot; x 8&quot; (200 mm x 200 mm)</td>
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<td>8.64 x 8.64 6056-88</td>
<td>8.65 x 8.65 5056-88RC</td>
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<tr>
<td>10&quot; x 8&quot; (250 mm x 200 mm)</td>
<td>10.20 x 8.45</td>
<td>10.65 x 8.65 6056-10-8</td>
<td>10.65 x 8.30 1056-10-8EB</td>
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<td>10&quot; x 10&quot; (250 mm x 250 mm)</td>
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<td>10.65 x 10.65 6056-1010</td>
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<td>12&quot; x 10&quot; (300 mm x 250 mm)</td>
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<tr>
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<td>12.55 x 12.55 6056-1212</td>
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<td>19.10 x 19.00 6056-1818</td>
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<td>21&quot; x 21&quot; (525 mm x 525 mm)</td>
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<td>22.50 x 22.50 6056-2121</td>
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<td>24&quot; x 24&quot; (600 mm x 600 mm)</td>
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<tr>
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<td>14.00 x 11.12 6057-1010LCRC*</td>
<td>14.00 x 11.12 5057-1010LCRC*</td>
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<td>12&quot; x 6&quot; (300 mm x 150 mm)</td>
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<td>15.25 x 6.80 6057-12-6</td>
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### 1057 Series Couplings
Concrete to DI

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<th>NOMINAL PIPE SIZE</th>
<th>STANDARD</th>
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<th>ECCENTRIC</th>
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<td>10.00 x 6.80 1057-86*</td>
<td>10.00 x 6.80 1057-86EBRC*</td>
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<td>15.25 x 6.80 1057-12-6</td>
<td>15.25 x 6.80 1057-12-6EB*</td>
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# 1057 Series Couplings

**Concrete to DI**

* Insert bushing included  
**Red** high torque clamps included  
new

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### Waterworks Market Sales Reps

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<th>City, State, Country</th>
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<td>David Gooding, Inc.</td>
<td>Brockton, MA</td>
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<td>2</td>
<td>Empire State Assoc.</td>
<td>Ballston Spa, NY</td>
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<tr>
<td>3</td>
<td>Saga Sales, Inc.</td>
<td>Englewood, NJ</td>
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<td>4</td>
<td>Charles Morrow &amp; Assoc.</td>
<td>Buckhannon, WV</td>
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<tr>
<td>5</td>
<td>Fehr &amp; Cuda Sales Inc.</td>
<td>Greensburg, PA</td>
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<tr>
<td>6</td>
<td>Hydrosouce</td>
<td>Chagrin Falls, OH</td>
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<tr>
<td>7</td>
<td>Eaton Mechanical Sales</td>
<td>Prairie View, IL</td>
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<tr>
<td>8</td>
<td>Mack McClain &amp; Assoc.</td>
<td>Olathe, KS</td>
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<td>9</td>
<td>I and N Marketing Group</td>
<td>Earlham, IA</td>
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<td>10</td>
<td>McCullough &amp; Assoc.</td>
<td>Edina, MN</td>
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<td>11</td>
<td>Repmasters, Inc.</td>
<td>Commerce City, CO</td>
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<td>12</td>
<td>McGregor &amp; Assoc.</td>
<td>West Jordan, UT</td>
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<td>13</td>
<td>Gordon &amp; Assoc.</td>
<td>Vancouver, WA</td>
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<td>RD/Kincaide &amp; Assoc.</td>
<td>Benicia, CA</td>
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<td>Stan Roberts &amp; Assoc., Inc.</td>
<td>Houston, TX</td>
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<td>Broken Arrow, OK</td>
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<td>Kenner, LA</td>
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<td>Nashville, TN</td>
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<td>Wiggs-Haun &amp; Bohan</td>
<td>Nashville, TN</td>
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<td>20</td>
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<td>Kennesaw, GA</td>
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<td>22</td>
<td>L.J. Ruffin &amp; Assoc.</td>
<td>Orlando, FL</td>
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<td>23</td>
<td>Ultratech Water Resources</td>
<td>Shelby, NC</td>
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<tr>
<td>24</td>
<td>Pinnacle Marketing</td>
<td>Albuquerque, NM</td>
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<td>25</td>
<td>Kemper Sales &amp; Assoc.</td>
<td>Nicholasville, KY</td>
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<td>W4 (Westcoast Water Works Warehouse)</td>
<td>Corona, CA</td>
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<td>28</td>
<td>JT Sales Company</td>
<td>Temecula, CA</td>
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<td>Ardent Sales</td>
<td>Long Beach, CA</td>
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<td>30</td>
<td>Barclay Sales LTD.</td>
<td>Port Coquitlam, BC</td>
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<td>31</td>
<td>Spectrum Sales Agencies 1982 LTD.</td>
<td>Calgary, Alberta</td>
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<td>32</td>
<td>Jones Goodridge</td>
<td>Winnipeg, Manitoba</td>
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<td>33</td>
<td>Showerline Sales LTD.</td>
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<td>Armco Agencies LTD.</td>
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<td>NerohTek Sales</td>
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<td>39</td>
<td>Par Four Plumbing</td>
<td>St. Johns, N.F.</td>
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### Resources
- **Canada**
  - Barclay Sales LTD.: Port Coquitlam, BC (604) 945-1010
  - Spectrum Sales Agencies 1982 LTD.: Calgary, Alberta (403) 255-8332
  - Jones Goodridge: Winnipeg, Manitoba (204) 632-6221
  - Showerline Sales LTD.: London, Ontario (519) 657-2694
  - Armco Agencies LTD.: Mississauga, Ontario (905) 238-8448
  - NerohTek Sales: Windsor, N.S. (902) 869-0103

### PUERTO RICO
- Inter American Builders Agencies: Carolina, PR (787) 752-0200

### MEXICO
- Ardent Sales: Long Beach, CA (562) 552-4169

**Contact Information**
- www.fernco.com
- (810) 503-9000

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**Notice:** This information is subject to change. Please visit www.fernco.com or contact (810) 503-9000 for the most current list of Waterworks Market Sales Reps.
WaterWorks Market Sales Map
Plumbing Market Sales Reps

1. David Gooding, Inc.
   Brockton, MA
   (508) 894-2000
   ME, NH, VT, MA, RI, CT

2. Empire State Assoc.
   Ballston Spa, NY
   (518) 602-0271
   NY

3. Altherm, Inc.
   Englewood, NJ
   (201) 871-0500
   New York City, Long Island, Northern New Jersey

   Aston, PA
   (610) 859-3552
   E. PA, Southern NJ, DE

5. Fehr & Cuda Sales Inc.
   Greensburg, PA
   (724) 838-9394
   West PA, WV

6. Lowder Sales
   Lewis Center, OH
   (800) 221-5650
   OH

7. Lozuaway & Assoc.
   Grand Blanc, MI
   (810) 234-1635
   MI

8. Ashworth—Train Assoc.
   Indianapolis, IN
   (317) 722-1950
   IN

   Bensonville, IL
   (630) 227-0600
   N. IL

10. McCullough & Assoc.
    Edina, MN
    (952) 946-0126
    MN, WI, ND, SD, Upper MI

11. I and N Marketing Group
    Earlham, IA
    (515) 758-2956
    IA, NE

    Olathe, KS
    (913) 339-6677
    KS, W. MO

13. T.M. Sales
    Denver, CO
    (303) 375-1515
    CO, MT, WY

    West Jordan, UT
    (801) 566-8225
    UT, ID

15. Gordon & Assoc.
    Vancouver, WA
    (360) 566-1470
    WA, OR, AK

16. RD/Kincaide & Assoc.
    Benicia, CA
    (707) 745-3655
    N. CA, N. NV

17. Carrhill Company
    City of Commerce, CA
    (323) 724-6087
    S. CA, Clark County, NV, HI

18. New Horizons Sales, Inc.
    Phoenix, AZ
    (602) 437-4795
    AZ

19. Stan Roberts & Assoc., Inc.
    Houston, TX
    (713) 224-9845
    South TX
    Dallas, TX
    (214) 637-2816
    North TX

20. PSA
    Little Rock, AR
    (501) 312-8700
    AR

21. OK! Sales
    Broken Arrow, OK
    (405) 794-5200
    Tulsa, OK

22. Mack McClain
    St. Louis, MO
    (314) 894-8188
    S. IL, E. MO

23. Billingsley BWC
    Kenner, LA
    (504) 602-8100
    LA, MS

24. Wm. M. McClain Co, Inc.
    Nashville, TN
    (615) 226-9601
    TN

25. Wiggs-Haun & Bohan
    Nashville, TN
    (615) 350-8334
    AL, Panhandle FL

26. United Sales Agency
    Marietta, GA
    (770) 514-7444
    GA

27. Carr Company
    Boca Raton, FL
    (561) 997-0999
    FL, except Panhandle

28. Carolina Sales
    Charlotte, NC
    (803) 831-7227
    NC

29. Barger & Assoc.
    Yorktown, MD
    (888) 697-3755
    VA, D.C., MD

30. Pinnacle Marketing
    Albuquerque, NM
    (505) 345-2700
    NM

31. Kemper Sales & Assoc.
    Nicholasville, KY
    (859) 881-8624
    KY

32. Showerline Sales LTD.
    London, Ontario
    (519) 675-2694
    Waterloo, Ontario
    (519) 885-1578

33. Inter American Builders Agencies
    Carolina, PR
    (787) 752-0200
    Puerto Rico

34. Ardent Sales
    Long Beach, CA
    (562) 552-4169
    Mexico

35. PSA
    Port Coquitlam, BC
    (604) 945-1010

36. Spectrum Sales Agencies 1982 LTD.
    Calgary, Alberta
    (403) 255-8332
    Edmonton, Alberta
    (780) 486-2525

37. Jones Goodridge
    Winnipeg, Manitoba
    (204) 632-6221
    Regina, Sask
    (306) 530-9056
    Saskatoon, Sask
    (306) 933-4377

38. Showerline Sales LTD.
    Mississauga, Ontario
    (905) 238-8448

39. Venters Bergeron Sales
    Russell, Ontario
    (613) 445-4170

40. Northern Mechanical Sales
    Garson, Ontario
    (705) 693-2715

41. Agencies J. Pierre Sylvain, Inc.
    Boucherville, Que.
    (450) 655-9588
    Quebec, PQ
    (418) 570-0703

42. NerohTek Sales
    Windsor, N.S.
    (902) 869-0103

43. Par Four Plumbing
    St. Johns, N.F.
    (709) 739-7177
Plumbing Market Sales Reps

Canadian Plumbing Market

U.S. TERRITORY 1
U.S. TERRITORY 2
# Acid Resistance Chart

Maximum test pressure: 4.3 PSI
Maximum operating temperature: 140°F non-consistent

<table>
<thead>
<tr>
<th>Reagent</th>
<th>Flexible Coupling</th>
<th>Proflex 70°F</th>
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<tbody>
<tr>
<td>Acetic Acid 20%</td>
<td>R</td>
<td>R</td>
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<tr>
<td>Acetic Acid 80%</td>
<td>N</td>
<td>N</td>
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<tr>
<td>Acetone</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Alcohol (Methyl or Ethyl)</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
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<td>R</td>
<td>R</td>
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<tr>
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<td>Alums</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Ammonia Gas (Dry)</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Ammonium Chloride</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Ammonium Hydroxide</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Ammonium Nitrate</td>
<td>R</td>
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<tr>
<td>Ammonium Phosphate</td>
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</tr>
<tr>
<td>Aniline</td>
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<td>N</td>
</tr>
<tr>
<td>Aquagia Regia</td>
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<td>N</td>
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<tr>
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<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Barium Sulfate</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Barium Sulfide</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Beer</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Beet Sugar Liquors</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Benzene</td>
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<tr>
<td>Black Liquor</td>
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<tr>
<td>Bleach 12.5% active Cl₂</td>
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<tr>
<td>Boric Acid</td>
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<tr>
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<tr>
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</tr>
<tr>
<td>Calcium Hypochlorite</td>
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<tr>
<td>Cane Sugar Liquors</td>
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<tr>
<td>Carbon Bisulfide</td>
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</tr>
<tr>
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<tr>
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<tr>
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<tr>
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<tr>
<td>Chlorofrom</td>
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<td>Chronic Acid 10%</td>
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<td>Fluorine (Gas Wet)</td>
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<tr>
<td>Formaldehyde (20%)</td>
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<tr>
<td>Formic Acid (10%)</td>
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<td>R</td>
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<tr>
<td>Freon 12 Dry</td>
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<tr>
<td>Fruit Juices &amp; Pulp</td>
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<tr>
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<td>Gasoline (Refined)</td>
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<td>Glucose</td>
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<tr>
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<td>Hydroquione</td>
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<td>Nitric Acid 0-40%</td>
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<tr>
<td>sulfur</td>
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<td>Sulfur Dioxide (Dry)</td>
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<tr>
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<td>Sulfuric Acid 50%</td>
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<td>Sulfuric Acid 70%</td>
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<td>Sulfuric Acid 93%</td>
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<tr>
<td>Tannic Acid</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Tanning Liquors</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Tartaric Acid</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Toluene</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Trichloroethylene</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Triiodium Phosphate</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Turpentine</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Urea</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Urito</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Vinegar</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Water (Fresh)</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Water (Salt)</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Whiskey</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Wines</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Xylene</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Zinc Chloride</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Zinc Sulfate</td>
<td>R</td>
<td>R</td>
</tr>
</tbody>
</table>

**NOTE:** The data listed in this table is only to give information in regard to general use and does not constitute a guarantee. Materials should be tested under actual service to determine suitability for a particular purpose.
TERMS

All prices shown are Trade/List, stated in U.S. currency and subject to change without notice

MINIMUM INVOICE - None
PAYMENT TERMS - 1% 10th prox. NET 30 days unless otherwise stated. Shortage claims must be made to Fernco within 15 days after delivery
FREIGHT TERMS - Prepaid and allowed on net order of $750.00 or more unless otherwise stated. All others will be prepaid and billed. Claims for loss or damage must be filed with the freight carrier
SALES POLICY - Fernco products are available to any legitimate wholesaler, pipe manufacturer or distributor with approved credit
RETURN POLICY - All returns must be preceded by factory authorization. Minimum 15% restocking charge will apply to all standard Fernco products. All materials returned to Fernco should be in original cartons and be in resalable condition. This amount is subject to change depending on condition of items returned to Fernco
- Fernco Custom Parts are Non-Refundable
- Freight must be prepaid on all return shipments
- Returns will not be allowed after 90 days of invoice date

LIMITED WARRANTY

Fernco warrants its product(s) against defects in workmanship or materials for one (1) year from date of original purchase (unless a shorter period is expressly provided with respect to a particular product). Fernco’s total liability under any warranty, or any other claim arising in any way from the product or its use, is limited, at Fernco’s option, to refund or replacement of any such product returned to Fernco within the one-year warranty period and determined by Fernco to be defective. To the extent permitted by law, Fernco disclaims and excludes any and all other warranties, express or implied, including without limitation any implied warranty of merchantability or fitness for a particular purpose, and in no event shall Fernco be liable for special, incidental or consequential damages. Failure to follow the installation instructions provided by Fernco will void this warranty. To make a warranty claim, purchaser should have the original receipt and contact Fernco, Inc. Customer Service Department, 810 503-9000. Purchaser is responsible for any shipping charges.

If state law preserves implied warranties, including implied warranties of merchantability and fitness for a particular purpose, such warranties are limited to one-year from the date of the original purchase and as otherwise set forth above. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion of incidental or consequential damages, so such limitation(s) or exclusion(s) may not apply to you.

This written warranty gives you specific legal rights, and you may also have other rights which vary from state to state.