FOR JOINING PE, PVC, DUCTILE IRON, AND STEELPIPES IN ANY COMBINATION

**Installation Instructions**

**EZWS & EZWR**

**MAXI-GRIP® EZ-W Restraint Coupling**

**Step 1**
Clean pipe ends at least 6” back from end, removing dirt, rust, oil, and scale. Pipe ends must be cut square (straight) and be free of longitudinal grooves.

Leave a gap 1” to 2” wide between pipe ends.

**Step 2**
When joining PE pipe, insert a properly sized metallic stiffener into necessary pipe end(s). The stiffener must be at least 7” long and be marked with the same SDR as the pipe.

***Stiffener required for ALL PE Pipe applications***

**Step 3**
Mark each pipe 6” back from end.

**Step 4**
Lubricate pipes and coupling gaskets using a suitable lubricant.

**Step 5**
Loosen nuts and gently pull coupling entirely onto one pipe (if reducing, pull onto smaller pipe). If coupling does not stab easily onto pipe, see other side of these instructions.

Maximum pipe deflection should not exceed 2° at each pipe end.

**Step 6**
Back coupling over second pipe and center between marks on pipe.

**Step 7**
Torque nuts fully and evenly, in uniform increments, in a diametric pattern for all sizes to:

**TORQUE**

100 ft-lbs. Minimum
110 ft-lbs. Maximum

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**Plastic Pipe Applications**

<table>
<thead>
<tr>
<th>Pipe Type</th>
<th>Minimum Wall</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE</td>
<td>DR 32.5</td>
</tr>
<tr>
<td>PVC (DIPS)</td>
<td>DR 25</td>
</tr>
<tr>
<td>PVC (IPS)</td>
<td>DR 26</td>
</tr>
<tr>
<td><strong>NOT for use on Molecularly-Oriented PVC AWWA C-909 Pipe</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Pressure Ratings**

<table>
<thead>
<tr>
<th>Material</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE</td>
<td>200 PSI</td>
</tr>
<tr>
<td>PVC</td>
<td>235 PSI</td>
</tr>
<tr>
<td>Ductile Iron</td>
<td>300 PSI</td>
</tr>
<tr>
<td>Steel</td>
<td>300 PSI</td>
</tr>
</tbody>
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Questions: Call 1-800-643-9705 or visit [www.smith-blair.com](http://www.smith-blair.com)
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MAXI-GRIP® EZ-W Restraint Coupling

DISASSEMBLY INSTRUCTIONS

Most installations should not require disassembly of the coupling. If a coupling does not stab, loosen the nuts and then gently attempt to pull the coupling onto the pipe while supporting it under the sleeve. If the coupling must be disassembled for installation (such as in tight spaces or on out-of-round pipe), observe the following guidelines.

1) Prepare pipes as per instructions 1 thru 4 on front of the page.
2) Place coupling on a stable surface.
3) Remove nuts (and bolts) from coupling, but keep all components within each follower.
4) Slide each follower (with internal components) onto its respective pipe.
5) Center sleeve between marks on pipes.
6) Bring each follower back against sleeve. Be sure to keep components evenly aligned with pipe.
7) Replace bolts and nuts and tighten fully as specified on front of page.

In extreme cases it may be necessary to slide component parts individually onto each pipe. In this case, slide the parts onto each pipe as indicated below.

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CORROSION & PRODUCT SELECTION NOTICE

Metal products are subject to corrosion, particularly when used outdoors and/or underground. A large number of factors and local conditions affect the rate of corrosion. Consult a local corrosion expert to determine the life expectancy of this product when used with your pipeline content, soil, and environment. Also, consult your system designer to determine the suitability of this product in your piping system. Failure to determine the suitability of this product in your application, soil, and/or environment can result in premature product failure. Smith-Blair will provide additional information about this product’s material specifications at your request. You may also obtain product information at www.smith-blair.com.