Quantum Coupling
12" Long Sleeve
PATENT NO. 6,168,210 B1

Description: Wide range, long sleeve cast couplings.

Application: Joining plain end pipe of all outside diameters within the coupling range.

Key Features:
- Great for reducing coupling inventory
- Heavy cast Ductile Iron parts for long life
- Meets applicable AWWA C219 Standards
- Stab fit, making installation a breeze. No disassembly required
- Bolts and nuts are coated for superior corrosion resistance and better torque capabilities
- Up to 1.65" of range with a single gasket and flange, reducing the need for large coupling inventories
- One coupling per nominal pipe size takes the guess work out of deciding which coupling size to choose

Materials Specifications (subject to change):
SLEEVE: High Strength Ductile Iron ASTM A536
FLANGES: High Strength Ductile Iron ASTM A536
GASKET: Nitrile (Buna N) NSF®/ANSI 61-G approved
FINISH: Fusion-Bonded Flexi-Coat® Epoxy Finish, per AWWA C213
BOLTS: High strength, low alloy Steel per ANSI A21.11 (AWWA C111) with Flexi-Coat® Epoxy Finish
Stainless Steel optional.
NUTS: Heavy hex HSLA Steel per ANSI A21.11 with Fluoropolymer Finish (to prevent galling)

Pipe Applications: Ductile Iron, Steel, Asbestos Cement and PVC.

Sizes (in inches): 4, 6, 8, 10, 12

Pressure Ratings: 250 PSI

WARNING
THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.
## Quantum Coupling

**12" Long Sleeve**

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### Standard and Metric Coupling

<table>
<thead>
<tr>
<th>NOM. SIZE (INCHES)</th>
<th>NOM. SIZE (MM)</th>
<th>OD RANGE (INCHES)</th>
<th>OD RANGE (MM)</th>
<th>WITH EPOXY COATED ALLOY BOLTS &amp; NUTS</th>
<th>WITH STAINLESS STEEL BOLTS &amp; NUTS</th>
<th>SLEEVE LENGTH (INCH)</th>
<th>5/8&quot; BOLT QTY</th>
<th>LAYING LENGTH (INCH)</th>
<th>WT. (LBS.)</th>
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<tbody>
<tr>
<td>4</td>
<td>100</td>
<td>4.46 - 5.60</td>
<td>113 - 142</td>
<td>462-04-60560-000</td>
<td>462-04-60560-031</td>
<td>12</td>
<td>4</td>
<td>17</td>
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<td>150</td>
<td>6.54 - 7.65</td>
<td>166 - 194</td>
<td>462-06-540765-000</td>
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<td>12</td>
<td>4</td>
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<td>8</td>
<td>200</td>
<td>8.54 - 9.85</td>
<td>217 - 250</td>
<td>462-08-540985-000</td>
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<td>12</td>
<td>4</td>
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<td>250</td>
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