For generations, wood distribution poles have been the norm for power utility companies. But wood poles cannot effectively meet the demand for more resilient and hardened grids. Valmont® Utility created lightweight spun concrete distribution poles as strong, long-lasting alternative to wood poles. We’ve created a pole that stands up to corrosive elements, high winds and the most rigorous freeze/thaw standards. In other words, the resilient distribution pole you’ve been looking for.

PROVEN RESILIENCY

THE VALMONT UTILITY DIFFERENCE

Spun concrete from Valmont Utility offers more than a lightweight distribution pole that can stand up to Mother Nature. You get all of the benefits of spun concrete:

- **Short lead time**—Pre-engineering designs combined with readily available raw material allow a 6- to 8-week delivery in most cases.
- **Modern Manufacturing**—Using the latest manufacturing technology, we offer high-volume production capacity.
- **Cost-effective installation**—The convenience of direct burial means you can drill and set the same day.
- **Virtually maintenance free**—No need to dispatch crews to fix rust, spall, rot, degradation or install patches.
- **Confidence**—Because we have our own full-scale testing facility, Valmont Utility leads the world in concrete pole research and development.
- **Framing**—Factory drilled holes and grounding provisions made per customer specification.
Creating a distribution pole that offered both strength and lighter weight was not easy. But the engineers at Valmont® Utility didn’t stop until they achieved it. Our proprietary concrete poles were engineered to be the lightest weight in the industry. They were also engineered to provide the maximum strength through the spinning process. The result is a value that wood poles simply cannot offer, including:

- Resistant to salt, moisture, high winds, insects, rot, fire
- Little to no maintenance
- Custom designs for size and/or strength
- IEEE NESC material strength factor at 1.0 vs. reduced wood strength factors
- Our spun concrete solution weighs XX% less than similar static cast concrete poles
- Shorter lead times
- Direct burial with no additional foundation required
- Structural engineering support and testing
- Uniform shape and consistent sizing along the pole length

LIGHTWEIGHT SPUN CONCRETE MEASURES UP

Lightweight spun concrete distribution poles can be manufactured to meet nearly any specifications. Below is the data for some of our more popular sizes. And, the numbers speak for themselves.

<table>
<thead>
<tr>
<th>Length (feet)</th>
<th>Tip Diameter (inches)</th>
<th>Butt Diameter (inches)</th>
<th>Embedment Depth (ft)</th>
<th>Pole Weight (lbs)</th>
<th>GLM Capacity Required</th>
<th>GLM Capacity Provided</th>
<th>Pole Weight (lbs)</th>
<th>GLM Capacity Required</th>
<th>GLM Capacity Provided</th>
<th>Pole Weight (lbs)</th>
<th>GLM Capacity Required</th>
<th>GLM Capacity Provided</th>
<th>Pole Weight (lbs)</th>
<th>GLM Capacity Required</th>
<th>GLM Capacity Provided</th>
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<tbody>
<tr>
<td>40</td>
<td>7.75</td>
<td>14.95</td>
<td>6.0</td>
<td>3,400</td>
<td>3,500</td>
<td>94</td>
<td>95</td>
<td>3,500</td>
<td>112</td>
<td>121</td>
<td>3,600</td>
<td>133</td>
<td>138</td>
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<td>45</td>
<td>7.75</td>
<td>15.85</td>
<td>6.5</td>
<td>4,100</td>
<td>4,200</td>
<td>107</td>
<td>107</td>
<td>4,200</td>
<td>128</td>
<td>124</td>
<td>4,300</td>
<td>152</td>
<td>154</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>7.75</td>
<td>16.75</td>
<td>7.0</td>
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<td>4,900</td>
<td>144</td>
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<tr>
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<td>176</td>
<td>6,700</td>
<td>208</td>
<td>208</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: All Embedment Depths Assumed to be 10% of the pole length = 2 ft.