Pre-tensioned High Strength Spun Concrete Piles

HBL
Class C (Effective Prestress = 7.0 N/mm²)

<table>
<thead>
<tr>
<th>Description</th>
<th>OD (mm)</th>
<th>Wall thickness (mm)</th>
<th>Steel Bars PC wire (Фmm / Nos)</th>
<th>Area of concrete (cm²)</th>
<th>Effective Pre-stress of concrete (N/mm²)</th>
<th>Nominal Weight (kg/m)</th>
<th>Crack Bending Moment (kNm)</th>
<th>Ultimate Bending Moment (kNm)</th>
<th>Design Value of single pile Strength Vertical Load Bearing (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precast Prestressed Spun Concrete Pile</td>
<td>Φ 400</td>
<td>80</td>
<td>9.0 / 12</td>
<td>804</td>
<td>7.50</td>
<td>209.00</td>
<td>67.00</td>
<td>148.00</td>
<td>144.00</td>
</tr>
<tr>
<td></td>
<td>Φ 600</td>
<td>100</td>
<td>9.0 / 24</td>
<td>1571</td>
<td>7.00</td>
<td>408.00</td>
<td>195.00</td>
<td>365.00</td>
<td>286.00</td>
</tr>
<tr>
<td></td>
<td>Φ 800</td>
<td>120</td>
<td>9.0 / 36</td>
<td>2565</td>
<td>7.00</td>
<td>666.00</td>
<td>450.00</td>
<td>810.00</td>
<td>467.00</td>
</tr>
</tbody>
</table>

Note: The loads represents the structural capacities of the piles without considering the soil conditions and slenderness ratio.

Abbreviations - IS : Indian Standard

Special Features of HBL Piles

Product Attributes:

- Spinning Process results in more durable concrete with high resistance to corrosion.
- Grade 80 Concrete enables the piles to be driven through hard strata.
- Can be manufactured to the lengths & dia as required customer’s requirement.
- Environmentally friendly installation by hydraulic Hammers.
- Precast Spun Pile Deep Foundation is faster, easier & highly cost effective and require much less time.

Welded Joint Detail

![Welded Joint Detail Image]

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