## HOLLOW-CORE SLABS

**Fig. 2.4.3** Section properties - normal weight concrete

**Trade name:** Flexicore®

**Licensing Organization:** The Flexicore Co. Inc., Dayton, Ohio

<table>
<thead>
<tr>
<th></th>
<th>Area (sq in.)</th>
<th>( y_b ) (in.)</th>
<th>( I ) (in.(^4))</th>
<th>Weight (psf)</th>
<th>( y_b ) (in.)</th>
<th>Mom. of Inertia (in.(^4))</th>
<th>Weight (psf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1' - 4'' x 6''</td>
<td>55</td>
<td>3.00</td>
<td>243</td>
<td>43</td>
<td>4.23</td>
<td>523</td>
<td>68</td>
</tr>
<tr>
<td>2' - 0'' x 6''</td>
<td>86</td>
<td>3.00</td>
<td>366</td>
<td>46</td>
<td>4.20</td>
<td>733</td>
<td>70</td>
</tr>
<tr>
<td>1' - 4'' x 8''</td>
<td>73</td>
<td>4.00</td>
<td>560</td>
<td>57</td>
<td>5.26</td>
<td>1028</td>
<td>82</td>
</tr>
</tbody>
</table>

Note: All sections not available from all producers. Check availability with local manufacturers.
# HOLLOW-CORE SLABS

Trade name: Flexicore®  
Licensing Organization: The Flexicore Co. Inc., Dayton, Ohio

## Section properties — normal weight concrete

### 2’ - 0” × 8”

<table>
<thead>
<tr>
<th>Area (sq in.)</th>
<th>(y_b) (in.)</th>
<th>(I) (in.(^4))</th>
<th>Weight (psf)</th>
<th>(y_b) (in.)</th>
<th>Mom. of Inertia (in.(^4))</th>
<th>Weight (psf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>4.00</td>
<td>843</td>
<td>57</td>
<td>5.26</td>
<td>1547</td>
<td>82</td>
</tr>
</tbody>
</table>

### 1’ - 8” × 10”

<table>
<thead>
<tr>
<th>Area (sq in.)</th>
<th>(y_b) (in.)</th>
<th>(I) (in.(^4))</th>
<th>Weight (psf)</th>
<th>(y_b) (in.)</th>
<th>Mom. of Inertia (in.(^4))</th>
<th>Weight (psf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>98</td>
<td>5.00</td>
<td>1254</td>
<td>61</td>
<td>6.43</td>
<td>2109</td>
<td>86</td>
</tr>
</tbody>
</table>

### 2’ - 0” × 10”

<table>
<thead>
<tr>
<th>Area (sq in.)</th>
<th>(y_b) (in.)</th>
<th>(I) (in.(^4))</th>
<th>Weight (psf)</th>
<th>(y_b) (in.)</th>
<th>Mom. of Inertia (in.(^4))</th>
<th>Weight (psf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>138</td>
<td>5.00</td>
<td>1587</td>
<td>72</td>
<td>6.27</td>
<td>2651</td>
<td>97</td>
</tr>
</tbody>
</table>

### 2’ - 0” × 12”

<table>
<thead>
<tr>
<th>Area (sq in.)</th>
<th>(y_b) (in.)</th>
<th>(I) (in.(^4))</th>
<th>Weight (psf)</th>
<th>(y_b) (in.)</th>
<th>Mom. of Inertia (in.(^4))</th>
<th>Weight (psf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>141</td>
<td>6.00</td>
<td>2595</td>
<td>73</td>
<td>7.46</td>
<td>4049</td>
<td>98</td>
</tr>
</tbody>
</table>

Note: All sections not available from all producers. Check availability with local manufacturers.