HOLLOW-CORE SLABS

Fig. 2.4.2 Section properties – normal weight concrete

Trade name: Dynaspan®
Equipment Manufacturers: Hastings Dynamold Corp., Hastings, Nebraska

<table>
<thead>
<tr>
<th>Area (sq in.)</th>
<th>$y_D$ (in.)</th>
<th>I (in.$^4$)</th>
<th>Weight (psf)</th>
<th>$y_D$ (in.)</th>
<th>Mom. of Inertia (in.$^4$)</th>
<th>Weight (psf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>133</td>
<td>2.00</td>
<td>235</td>
<td>35</td>
<td>3.08</td>
<td>689</td>
<td>60</td>
</tr>
<tr>
<td>4’ - 0’’ x 4’’</td>
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<td></td>
<td></td>
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</tr>
</tbody>
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<th>Mom. of Inertia (in.$^4$)</th>
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<tbody>
<tr>
<td>165</td>
<td>3.02</td>
<td>706</td>
<td>43</td>
<td>4.25</td>
<td>1543</td>
<td>68</td>
</tr>
<tr>
<td>4’ - 0’’ x 6’’</td>
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<td></td>
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<tbody>
<tr>
<td>233</td>
<td>3.93</td>
<td>1731</td>
<td>61</td>
<td>5.16</td>
<td>3205</td>
<td>86</td>
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<tr>
<td>4’ - 0’’ x 8’’</td>
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<tbody>
<tr>
<td>260</td>
<td>4.91</td>
<td>3145</td>
<td>68</td>
<td>6.26</td>
<td>5314</td>
<td>93</td>
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<tr>
<td>4’ - 0’’ x 10’’</td>
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<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Trade name:** Dynaspan®

**Equipment Manufacturers:** Hastings Dynamold Corp., Hastings, Nebraska

<table>
<thead>
<tr>
<th>8' - 0&quot; x 6&quot;</th>
<th>8' - 0&quot; x 6&quot; with 2&quot; Topping</th>
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</thead>
<tbody>
<tr>
<td><img src="image1" alt="Diagram" /></td>
<td><img src="image2" alt="Diagram" /></td>
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<table>
<thead>
<tr>
<th>Area (sq in.)</th>
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<th>y_b (in.)</th>
<th>Mom. of Inertia (in.^4)</th>
<th>Weight (psf)</th>
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<tbody>
<tr>
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<td>1445</td>
<td>44</td>
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<th>8' - 0&quot; x 8&quot;</th>
<th>8' - 0&quot; x 8&quot; with 2&quot; Topping</th>
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</thead>
<tbody>
<tr>
<td><img src="image3" alt="Diagram" /></td>
<td><img src="image4" alt="Diagram" /></td>
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<th>y_b (in.)</th>
<th>Mom. of Inertia (in.^4)</th>
<th>Weight (psf)</th>
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</thead>
<tbody>
<tr>
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<td>3.96</td>
<td>3525</td>
<td>61</td>
<td>5.17</td>
<td>6444</td>
<td>86</td>
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</table>

<table>
<thead>
<tr>
<th>8' - 0&quot; x 10&quot;</th>
<th>8' - 0&quot; x 10&quot; with 2&quot; Topping</th>
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</thead>
<tbody>
<tr>
<td><img src="image5" alt="Diagram" /></td>
<td><img src="image6" alt="Diagram" /></td>
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<th>y_b (in.)</th>
<th>Mom. of Inertia (in.^4)</th>
<th>Weight (psf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>532</td>
<td>4.96</td>
<td>6422</td>
<td>69</td>
<td>6.28</td>
<td>10,712</td>
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<table>
<thead>
<tr>
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<th>8' - 0&quot; x 12&quot; with 2&quot; Topping</th>
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<tbody>
<tr>
<td><img src="image7" alt="Diagram" /></td>
<td><img src="image8" alt="Diagram" /></td>
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</tr>
</thead>
<tbody>
<tr>
<td>615</td>
<td>5.95</td>
<td>10,505</td>
<td>80</td>
<td>7.32</td>
<td>16,507</td>
<td>105</td>
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</tbody>
</table>

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