HRC 555 Series
Headed Lap splice

Advantages

• **Short Lap Splice**
  Great for closure pours and other locations not permitting the length of conventional lap splices.

• **Field Friendly**
  Alignment and length tolerances can easily be accommodated for both designer and contractor. Fixed heads eliminate any potential field sensitive installation concerns. Sufficient lap length is easily visually inspected.

• **HRC Quality**
  The Ultimate performance of HRC 555 headed bars can be fabricated and tested locally.

• **Economical**
  Cost effective fabrication and installation

For updates and installation parameters please see applicable codes or visit www.hrc-usa.com. For current ICC-ES ESR-2935 approval contact an HRC representative

Headed Reinforcement Corp.
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714-557-1455 714-557-4460 fax

(800) HRC-6775
www.hrc-usa.com

**TABLE – HEADED LAP SPLICES**

<table>
<thead>
<tr>
<th>Bar size</th>
<th>#4</th>
<th>#5</th>
<th>#6</th>
<th>#7</th>
<th>#8</th>
<th>#9</th>
<th>#10</th>
<th>#11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Anchorage Length, $L_a$ [in]</td>
<td>6.00</td>
<td>6.00</td>
<td>6.00</td>
<td>7.00</td>
<td>8.00</td>
<td>9.02</td>
<td>10.16</td>
<td>11.28</td>
</tr>
<tr>
<td>Center spacing, $S_b=1.65\ d_b$ [in]</td>
<td>0.83</td>
<td>1.03</td>
<td>1.24</td>
<td>1.44</td>
<td>1.65</td>
<td>1.86</td>
<td>2.10</td>
<td>2.33</td>
</tr>
<tr>
<td>Minimum Lap Length, $L_g$ [in]</td>
<td>8.55</td>
<td>8.74</td>
<td>8.93</td>
<td>10.41</td>
<td>11.90</td>
<td>13.43</td>
<td>15.12</td>
<td>16.78</td>
</tr>
<tr>
<td>Comment</td>
<td>Minimum spacing (edge of head touch spliced bar)</td>
<td>Center spacing, $S_b=2.65\ d_b$ [in]</td>
<td>1.33</td>
<td>1.66</td>
<td>1.99</td>
<td>2.32</td>
<td>2.65</td>
<td>2.99</td>
</tr>
<tr>
<td>Comment</td>
<td>(Up to) 1.0db clear space between edge of head and spliced bar</td>
<td>$T_{\text{min}}$ [in]</td>
<td>0.25</td>
<td>0.31</td>
<td>0.38</td>
<td>0.44</td>
<td>0.50</td>
<td>0.56</td>
</tr>
<tr>
<td>$D$ [in]</td>
<td>1.14</td>
<td>1.42</td>
<td>1.69</td>
<td>1.97</td>
<td>2.25</td>
<td>2.56</td>
<td>2.87</td>
<td>3.19</td>
</tr>
<tr>
<td>$A_{\text{brg}}$ [sq.in.]</td>
<td>0.82</td>
<td>1.27</td>
<td>1.80</td>
<td>2.45</td>
<td>3.18</td>
<td>4.14</td>
<td>5.20</td>
<td>6.43</td>
</tr>
</tbody>
</table>

* Head thickness should be no larger than bar diameter.
HRC 555 Series
Typical Applications

Beam-Column Connection

Closure Pour

**BENEFITS**

- Simplify reinforcing details
- Reduce congestion
- Improve field tolerances
- Speed up installation

*THE ALTERNATIVE TO STANDARD HOOKS*

Flexural bar anchorage

Shear tie anchorage

Pile anchorage