HANG YOUR MECHANICAL SYSTEMS FROM DOVETAIL FORMLOK COMPOSITE DECK-SLABS

DOVETAIL FORMLOK WEDGE-NUTS
• IAPMO UES ER-423
• UL Listed

WEDGE-NUT HANGING LOAD\(^1-6\)
145 pcf NWC or ≥110 pcf LWC \(f'_c = 2500\) psi (min.)

<table>
<thead>
<tr>
<th>Profile</th>
<th>Part Number</th>
<th>Connection Strength (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Nominal (P_n)</td>
</tr>
<tr>
<td>2.0D FormLok</td>
<td>2.0D-WN-3/8NC</td>
<td>3828</td>
</tr>
<tr>
<td></td>
<td>2.0D-WN-1/2NC</td>
<td></td>
</tr>
<tr>
<td>3.5D FormLok</td>
<td>3.5D-WN-3/8NC</td>
<td>5490</td>
</tr>
<tr>
<td></td>
<td>3.5D-WN-1/2NC</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. The concentrated hanging load shall not exceed the bending strength and vertical shear strength of the DoveTail FormLok Composite Deck-Slab.
2. Hanging load shall not exceed the strength of the threaded rod or bolt provided by others.
3. The hanging load shall be applied not more than 5 degrees from normal to the plane of the deck.
4. The allowable strength, \(P_n/\Omega\), shall be equal to or greater than the governing load combination for Allowable Stress Design in the IBC or ASCE/SEI 7.
5. The factored strength, \(\phi P_n\), shall be equal to or greater than the governing load combination for Load and Resistance Factor Design in the IBC or ASCE/SEI 7.
6. Safety and resistance factors included in the table are \(\Omega = 2.75\) (ASD) and \(\phi = 0.60\) (LRFD) respectively.
7. NPS = Nominal Pipe Size
1. Deck ribs shall be free of foreign material to ensure the wedge-nut bears directly on the steel deck.
2. Insert wedge-nut and rotate to seat the surface against the webs of the steel deck as shown in Figure 1.
3. Position wedge-nut in the center of the rib with the threaded rod or bolt perpendicular to the bottom surface of the steel deck as shown in Figure 1.
4. Tighten the 3/8” threaded rod or bolt 1 to 1 1/2 turns beyond snug tight.
5. Tighten the 1/2” threaded rod or bolt ½ to 1 turn beyond snug tight.

Figure 1

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