AWS Amendment Notice

The following Amendment has been made and incorporated into the current edition of this document.

**Amendment Number:** 1  
**Subject:** Table 2, Allowable Stress in Weld Metal

### Table 2  
**Allowable Stress in Weld Metal**

<table>
<thead>
<tr>
<th>Type of Weld</th>
<th>Stress in Weld(^{(1)})</th>
<th>Allowable Stress</th>
<th>Required Weld Strength Level(^{(2)})</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete joint penetration groove welds (Joint Class I, II, III, or IV)</td>
<td>Shear on the effective area</td>
<td>0.27 times nominal tensile strength of weld metal, except shear stress on base metal shall not exceed 0.36 times yield strength of base metal.</td>
<td>Weld metal with a strength level equal to or less than matching weld metal may be used.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part joint penetration groove welds (Joint Class IV or V)</td>
<td>Compression normal to effective area</td>
<td>0.45 times nominal tensile strength of weld metal, except shear stress on base metal shall not exceed 0.55 times yield strength of base metal.</td>
<td>Weld metal with a strength level equal to or less than matching weld metal may be used.</td>
</tr>
<tr>
<td></td>
<td>Joint not designed to bear</td>
<td>Same as base metal</td>
<td></td>
</tr>
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<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Tension or compression parallel to the axis of the weld(^{(3)})</td>
<td>Same as base metal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Shear parallel to axis of metal</td>
<td>0.27 times nominal tensile strength of weld metal, except shear stress on base metal shall not exceed 0.36 times yield strength of base metal.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tension normal to effective area</td>
<td>0.27 times nominal tensile strength of weld metal, except shear stress on base metal shall not exceed 0.55 times yield strength of base metal.</td>
<td></td>
</tr>
</tbody>
</table>

\(^{(1)}\) Underlined values are revised. This is a partial representation of Table 2.

The purpose of this amendment notice is to inform the public that a published standard has been technically corrected. An amendment is the correction of an error in substantive content in a published standard that had been inadvertently approved by the required approval procedures.

(Amendment Notice: July 19, 2017)