Ameralloy® AR
MACHINABLE ALLOY

Color Code:
ORANGE & BLACK

For applications where extensive forming is required. Ameralloy AR also provides good weldability, good machineability, while maintaining its abrasion and impact resistance.

Features And Advantages
- Easy to form—press brake 80° to 90° angles
- Machineability 75% compared to B-1112
- Impact resistant
- Wear resistant
- Medium hardness
- Shearing and punching in thicknesses up to 3/8”

Typical Mechanical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile strength psi</td>
<td>140,000</td>
</tr>
<tr>
<td>Yield point psi</td>
<td>130,000</td>
</tr>
<tr>
<td>Elongation in 2”</td>
<td>16%</td>
</tr>
<tr>
<td>Reduction of area</td>
<td>45%</td>
</tr>
<tr>
<td>Brinell hardness</td>
<td>250–310</td>
</tr>
<tr>
<td>Rockwell C hardness</td>
<td>30–32</td>
</tr>
</tbody>
</table>

Welding
- Preheating not required in thicknesses up to 1/2”.

Available Sizes

**Ameralloy AR Plates**

Thickness: 3/16” 1/4” 3/8” 1/2” 5/8” 3/4” 1” 1-1/4” 1-1/2” 1-3/4” 2” 2-1/2” 3”

Widths: 48” 60” 72” 84” 96” or burned to your specifications

Lengths: 96” 120” 144” 240” 288” or burned to your specifications