

# Ameralloy<sup>®</sup> 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

Tensile strength psi	140,000
Yield point psi	130,000
Elongation in 2"	16%
Reduction of area	45%
Brinell hardness	250–310
Rockwell C hardness	30–32

### 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"

Thicknesses over 3" upon request

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

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