

QQ-A-225/8 - AMS4117 - 6061 Alloy

Additional Information**6061 has similarities to the following standard designations and specification**

ASTM B211, AMS 4115, AMS 4116, AMS 4117, AMS 4128

AMS-QQ-A-225/8 & ASTM B221, AMS4150, AMS 4160, AMS 4161

AMS-QQ-A-200/8

Chemical Properties

| Element | Chemical Composition % |
|----------------|------------------------|
| Silicon (Si) | 0.40 - 0.80 max |
| Iron (Fe) | 0.70 max |
| Copper (Cu) | 0.15 - 0.40 |
| Manganese (Mn) | 0.15 |
| Magnesium (Mg) | 0.80 - 1.20 |
| Chromium (Cr) | 0.04 - 0.35 |
| Zinc (Zn) | 0.25 |
| Titanium (Ti) | 0.15 |
| Aluminium (Al) | Balance |

Mechanical Properties

| Property | Value |
|---------------------------|----------|
| Temper | T6, T651 |
| Ultimate Tensile Strength | 310 MPa |
| Yield | 145 MPa |
| Elongation | 25% |
| Hardness Brinell | 65 |

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