C67400: Excellent hot and cold workability; good forge ability. Fabricated by bending, coining, coppersmith, drawing and upsetting, hot forging and pressing, knurling, roll threading, shearing, spinning, swaging, and stamping.

**TYPICAL USES:**
**INDUSTRIAL:** Bushings, Shafts, Cams, Chain Guides, Wear Plates, Gears, Food Conveyor Chain
**OTHER:** Connecting Rods

**CHEMICAL COMPOSITION**

<table>
<thead>
<tr>
<th></th>
<th>Al</th>
<th>Cu</th>
<th>Fe</th>
<th>Pb</th>
<th>Mn</th>
<th>Ni</th>
<th>Si</th>
<th>Sn</th>
<th>Zn</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min/Max</td>
<td>0.50 - 2.0</td>
<td>57.0 - 60.0</td>
<td>0.35</td>
<td>0.5</td>
<td>2.0 - 3.5</td>
<td>0.25</td>
<td>0.50 - 1.5</td>
<td>0.3</td>
<td>Rem</td>
</tr>
<tr>
<td>Nominals</td>
<td>1.2000</td>
<td>58.5000</td>
<td>-</td>
<td>-</td>
<td>2.8000</td>
<td>-</td>
<td>1.0000</td>
<td>-</td>
<td>36.5000</td>
</tr>
</tbody>
</table>

**PHYSICAL PROPERTIES**

- Coefficient of Thermal Expansion: $11.0 \times 10^{-6}$ per °F (68-572 °F)
- Density: 0.292 lb/in³ at 68 °F
- Electrical Conductivity: 23 %IACS @ 68 °F
- Electrical Resistivity: 45.1 ohms-cm²/in² @ 68 °F
- Melting Point - Liquidus: 1625 °F
- Melting Point - Solidus: 1590 °F
- Modulus of Elasticity in Tension: 16000 ksi
- Modulus of Rigidity: 6000 ksi
- Specific Gravity: 8.08
- Specific Heat Capacity: 0.09 Btu/lb/°F at 68 °F
- Thermal Conductivity: 58.0 Btu ft/(hr °F ft²) at 68°F

**EQUIVALENT SPECIFICATIONS**

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>DESIGNATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNS C66800</td>
<td></td>
</tr>
<tr>
<td>UNS C67300</td>
<td></td>
</tr>
<tr>
<td>UNS C67420</td>
<td></td>
</tr>
</tbody>
</table>

**SIZES AVAILABLE:**
- ROUND RODS: 8mm To 100 mm
- HEX: 10mm To 60mm
- SQUARE: 10mm To 60mm
- FLAT: 10mm Min Thickness and max Width 120mm
- BILLETS: Up to 200 mm
- INGOTS: As per Specification

**Typical Uses:**

- INDUSTRIAL: Bushings, Shafts, Cams, Chain Guides, Wear Plates, Gears, Food Conveyor Chain
- OTHER: Connecting Rods

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