Typical Applications
- Aerospace Components
- Defence Components
- High Technology Applications

Product Description
A high strength 5.1 to 6.1% Zinc alloy. Solution treated, artificially aged and controlled stretched to achieve the T651 condition, in drawn, rolled, cold finished wire, bar and profile form.

BS/EN Euronorm - EN 573 / 754
AECMA Euronorm - No Current Norm

Surface Treatment
- Anodising: Protective - Fair, Bright - Variable
- Plating, Vitreous Enamelling: N/A

Weldability
- Brazing & Soldering: Not recommended
- Oxygen: Not recommended
- Inert Gas: Not recommended
- Resistance, Spot, Beam: Very Good

Corrosion Resistance
Resistance to Atmospheric Attack - Fair

Machinability
Very Good

Cut Size to Sawn Blanks
Cut to length + 1.0mm - NIL

Chemical Composition (weight %)

<table>
<thead>
<tr>
<th></th>
<th>Al</th>
<th>Si</th>
<th>Fe</th>
<th>Cu</th>
<th>Mn</th>
<th>Mg</th>
<th>Cr</th>
<th>Zn</th>
<th>Ti</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min.</td>
<td>REM</td>
<td>0.40</td>
<td>0.50</td>
<td>2.0</td>
<td>0.30</td>
<td>2.90</td>
<td>0.28</td>
<td>6.1</td>
<td>0.20</td>
</tr>
<tr>
<td>Max.</td>
<td>REM</td>
<td>1.2</td>
<td>1.2</td>
<td>2.10</td>
<td>0.05 each (max)</td>
<td></td>
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</tbody>
</table>

Mechanical Properties (minima, T651 condition)

<table>
<thead>
<tr>
<th>Size Range (in)</th>
<th>Tensile Strength (ksi)</th>
<th>0.2% Proof Stress (ksi)</th>
<th>Elongation on 50mm (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 4.000</td>
<td>77</td>
<td>66</td>
<td>7</td>
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</tbody>
</table>

Technical Assistance
Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.

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