

## Aluminium

## L168 T6511 (2014A) Bar & Extrusion

Datasheet Updated  
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### SPECIFICATIONS

Commercial	2014A
Aerospace	L168 T6511

Very high strength aerospace aluminium alloy.

### CHEMICAL COMPOSITION

BS L168(1978)  
Alloy L168

Element	% Present
Silicon (Si)	0.50 - 0.90
Iron (Fe)	0.00 - 0.50
Copper (Cu)	3.90 - 5.00
Manganese (Mn)	0.40 - 1.20
Chromium (Cr)	0.00 - 0.10
Magnesium (Mg)	0.20 - 0.80
Zinc (Zn)	0.00 - 0.25
Nickel (Ni)	0.00 - 0.10
Titanium (Ti)	0.00 - 0.15
Titanium + Zirconium (Ti+Zr)	0.00 - 0.20
Others (Total)	0.00 - 0.15
Other (Each)	0.00 - 0.05
Aluminium (Al)	Balance

### ALLOY DESIGNATIONS

Aluminium alloy BS L168-2014A has similarities to the following standard designations and specifications **but may not be a direct equivalent:**

- 2014, AMS4121

### TEMPER TYPES

The most common tempers for L168-2014A aluminium are:

- T6510
- T6511
- T6

### SUPPLIED FORMS

- Bar
- Extrusions

### APPLICATIONS

- Aerospace components
- High technology applications

### CHARACTERISTICS

- High strength
- Very good machinability
- Poor resistance to atmospheric corrosive attack.  
To protect the material against atmospheric corrosion in storage, the material can be lightly coated with a Lanolin based protective oil.

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