



## Aluminium Alloy - DTD5014A T6 Bar

### SPECIFICATIONS

Commercial	2618A
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Aluminium alloy DTD5014A – 2618A is a high strength alloy available mainly in the form of extruded bar and also extruded sections. Note that the standard specifying DTD5014A has been cancelled.

### CHEMICAL COMPOSITION

Element	% Present
Copper (Cu)	1.8 - 2.7
Magnesium (Mg)	1.2 - 1.8
Lithium (Li)	1.2 - 1.8
Iron (Fe)	0.9 - 1.4
Nickel (Ni)	0.8 - 1.4
Manganese (Mn)	0.25 max
Silicon (Si)	0.15 - 0.25
Titanium + Zirconium (Ti+Zr)	0.25 max
Titanium (Ti)	0.2 max
Zinc (Zn)	0.15 max
Others (Total)	0.15 max
Other (Each)	0.05 max
Aluminium (Al)	Balance

### ALLOY DESIGNATIONS

Aluminium alloy DTD5014A has similarities to the following standard designations and specifications:

2618A  
2618

### TEMPER TYPES

The most common temper for DTD5014A – 2618A aluminium is T6

- T6 - Solution heat treated and artificially aged

### SUPPLIED FORMS

Solution heat-treated and water quenched  
Precipitation heat-treated and air cooled

- Bar
- Extrusions

### MECHANICAL PROPERTIES

Diameter (mm)	Proof Strength	Tensile Strength	Elongation
Up to & incl. 10	320 Min	400 Min	5% Min
Over 10 up to & incl. 100	340 Min	420 Min	7% Min



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### CONTACT

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### REVISION HISTORY

Datasheet Updated	23 March 2022
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