

## Aluminium

## DTD5014A T6 Bar & Extrusion

Datasheet Updated  
05 August 2021

### SPECIFICATIONS

Commercial	2618A
Aerospace	DTD5014A T6

High strength aerospace aluminium alloy.

### CHEMICAL COMPOSITION

Element	% Present
Iron (Fe)	0.00 - 0.05
Titanium (Ti)	0.00 - 0.20
Magnesium (Mg)	0.00 - 0.20
Zinc (Zn)	0.00 - 0.15
Tin (Sn)	0.00 - 0.20
Hydrogen (H)	0.90 - 1.40
Lithium (Li)	1.20 - 1.80
Molybdenum (Mo)	0.80 - 1.40
Selenium (Se)	0.00 - 0.25
Ti plus Nb (Ti+Nb)	0.00 - 0.05
Yttrium (Y)	0.00 - 0.10
Copper (Cu)	1.80 - 2.70
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

### SUPPLIED FORMS

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

- Bar
- Extrusions

### APPLICATIONS

- Aerospace & defence components

### CHARACTERISTICS

- Good machinability
- Fair resistance to atmospheric attack

### DISCLAIMER

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