

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

CONTACT

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REVISION HISTORY

Datasheet Updated 23 March 2022

DISCLAIMER

This Data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

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