

## 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)	1.80 - 2.70
Lithium (Li)	1.20 - 1.80
Magnesium (Mg)	1.20 - 1.80
Iron (Fe)	0.90 - 1.40
Nickel (Ni)	0.80 - 1.40
Silicon (Si)	0.15 - 0.25
Manganese (Mn)	0.0 - 0.25
Titanium + Zirconium (Ti+Zr)	0.0 - 0.25
Titanium (Ti)	0.0 - 0.20
Zinc (Zn)	0.0 - 0.15
Others (Total)	0.0 - 0.15
Other (Each)	0.0 - 0.05
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

Address:	Please make contact directly with your local service centre, which can be found via the Locations page of our web site.
Web:	<a href="http://www.amari-ireland.com">www.amari-ireland.com</a>

## REVISION HISTORY

Datasheet Updated	22 March 2022
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