

Aluminium Alloy

QQ-A-250/30 T851 Plate



SPECIFICATIONS

Commercial	2219
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An alloy developed for elevated temperature strength that has good weldability and resistance to stress corrosion.

CHEMICAL COMPOSITION

SAE AMS QQ A 250/30 Alloy QQ A 250/30	
Element	% Present
Copper (Cu)	5.8 - 6.8
Manganese (Mn)	0.2 - 0.4
Iron (Fe)	0.3 max
Zirconium (Zr)	0.1 - 0.25
Silicon (Si)	0.2 max
Others (Total)	0.15 max
Vanadium (V)	0.05 - 0.15
Zinc (Zn)	0.1 max
Titanium (Ti)	0.02 - 0.1
Other (Each)	0.05 max
Magnesium (Mg)	0.02 max
Aluminium (Al)	Balance

TEMPER TYPES

AMS QQ-A-250/30 Plate is supplied in T851 temper

- T851 - Solution heat treated then stress relieved by stretching then artificially aged.

SUPPLIED FORMS

Alloy AMS QQ-A-250/30 T851 is supplied as Plate

- Plate

MECHANICAL PROPERTIES

These Mechanical Properties apply to Plate in the T851 condition

Thickness (mm)	Proof Strength (Min)	Tensile Strength (Min)	Elongation % (Min)
Over 6.3 up to & incl. 25.4	317	427	8
Over 25.4 up to & incl. 50.8	317	427	7
Over 50.8 up to & incl. 76.2	317	427	6
Over 76.2 up to & incl. 101.6	303	413	5
Over 101.6 up to & incl. 127	296	406	5
Over 127 up to & incl. 152.4	289	393	4

CONTACT

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REVISION HISTORY

Datasheet Updated	18 December 2013
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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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