

Aluminium

QQ-A-200/3 T3511 (2024) Bar & Extrusion

Datasheet Updated
05 August 2021

SPECIFICATIONS

Commercial	2024
Aerospace	QQ-A-200/3 T3511

High strength aerospace aluminium alloy.

CHEMICAL COMPOSITION

SAE AMS QQ-A-200/3
Alloy QQ-A-200/3

Element	% Present
Silicon (Si)	0.00 - 0.50
Iron (Fe)	0.00 - 0.50
Copper (Cu)	3.80 - 4.90
Manganese (Mn)	0.30 - 0.90
Chromium (Cr)	0.00 - 0.10
Magnesium (Mg)	1.20 - 1.80
Zinc (Zn)	0.00 - 0.25
Titanium (Ti)	0.00 - 0.15
Other (Each)	0.00 - 0.05
Others (Total)	0.00 - 0.15
Aluminium (Al)	Balance

ALLOY DESIGNATIONS

Aluminium alloy QQ-A-200/3 has similarities to the following standard designations and specifications **but may not be a direct equivalent:**

- AMS 4164
- AMS 4165

TEMPER TYPES

Alloy QQ-A-200/3 is supplied in a wide range of tempers:

- T3
- T3510
- T81
- T8510
- T42
- T3511
- T8511
- O

SUPPLIED FORMS

- Bar
- Tube
- Extrusions

APPLICATIONS

- Aircraft structural components
- Truck wheels
- Medical instruments
- Screw machine products

CHARACTERISTICS

- High strength
- Very good machinability
- Very good weldability
- Improved stress corrosion cracking resistance
- Excellent fatigue resistance

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. Please note that the 'Datasheet Update' date shown above is no guarantee of accuracy or whether the datasheet is up to date.

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