

Aluminium

QQ-A-200/3 T8511 Bar & Extrusion

Datasheet Updated
05 August 2021

SPECIFICATIONS

Commercial	2024
Aerospace	QQ-A-200/3 T8511

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:

- AMS 4164
- AMS 4165

DISCLAIMER

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TEMPER TYPES

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

- T3
- T3511
- T8511

SUPPLIED FORMS

- Bar
- 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

