

Aluminium

QQ-A-200/11 T6511 Bar & Extrusion

Datasheet Updated
05 August 2021

SPECIFICATIONS

Commercial	7075
Aerospace	QQ-A-200/11 T6511

Very high strength aerospace aluminium alloy.

CHEMICAL COMPOSITION

SAE AMS QQ-A-200/11
Alloy QQ A 200/11

Element	% Present
Silicon (Si)	0.00 - 0.40
Iron (Fe)	0.00 - 0.50
Copper (Cu)	1.20 - 2.00
Manganese (Mn)	0.00 - 0.30
Chromium (Cr)	0.18 - 0.28
Magnesium (Mg)	2.10 - 2.90
Zinc (Zn)	5.10 - 6.10
Titanium (Ti)	0.00 - 0.20
Other (Each)	0.00 - 0.05
Others (Total)	0.00 - 0.15
Aluminium (Al)	Balance

ALLOY DESIGNATIONS

Aluminium alloy QQ-A-200/11 has similarities to the following standard designations and specifications **but may not be a direct equivalent:**

- AMS 4166
- AMS 4168
- AMS 4169

TEMPER TYPES

Alloy QQ-A-200/11 is supplied in a wide range of tempers:

- T62
- T6510
- T73
- T7310
- T7311
- T8511
- T7351
- T73511
- T6511
- O
- T6

SUPPLIED FORMS

- Bar
- Extrusions

APPLICATIONS

- Aerospace components
- Defence components
- High technology applications

CHARACTERISTICS

- High strength
- Very good machinability
- Weldable using resistance, spot & beam methods
- Poor resistance to atmospheric corrosion

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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