

## Aluminium

## QQ-A-200/8 T6511 (6061)

Datasheet Updated  
11 January 2024

### SPECIFICATIONS

Commercial	6061
Aerospace	QQ-A-200/8 T6511

Aerospace aluminium alloy with good strength and workability.

### CHEMICAL COMPOSITION

SAE AMS QQ-A-200/8  
Alloy QQ A 200/8

Element	% Present
Silicon (Si)	0.40 - 0.80
Iron (Fe)	0.00 - 0.70
Copper (Cu)	0.15 - 0.40
Manganese (Mn)	0.00 - 0.15
Chromium (Cr)	0.04 - 0.35
Magnesium (Mg)	0.80 - 1.20
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-200/8 has similarities to the following standard designations and specifications **but may not be a direct equivalent:**

- AMS 4150
- AMS 4173

### TEMPER TYPES

Alloy QQ-A-200/8 is supplied in a wide range of tempers:

- T4510
- T42
- T4511
- T62
- T6510
- T4
- T6511
- O
- T6

### SUPPLIED FORMS

- Bar
- Tube
- Sheet
- Extrusions

### APPLICATIONS

- High technology applications
- Defence components
- Aerospace components

### CHARACTERISTICS

- Very good machinability
- Good resistance to corrosive atmospheric attack
- Weldability is very good by inert gas, resistance and spot welding

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