Aluminum 6082-T651 | 3.2315 | 64430 | AlSi1MgMn

Aluminum 6082-T651 is high-strength plate for structural and precision CNC parts.

Mechanical properties

Ultimate tensile strength	275-320 MPa
Yield strength	240-270 MPa
Elongation at break	6 - 10 %

Thermal properties

Thermal conductivity	170 W/(m·°C)

Post treatments

Anodizing compatibility	Suitable

Common applications

Heat sinks	
Trusses	
Structural components	

Aluminum 6082-T651 CNC Machining Applications & Parts

Similar to 6061-T651, the T651 temper on 6082 aluminum provides improved stability for machining. This European equivalent is preferred for structural applications requiring good strength and excellent corrosion resistance.

Typical Parts We Machine from 6082-T651:

- **Precision Structural Parts:** Machine tool components, indexing plates, precision welding fixtures
- **Transportation:** High-tolerance brackets for rail and automotive, hydraulic system blocks

Our Machining Advantage:

We machine 6082-T651 to produce robust, dimensionally stable structural components that maintain their accuracy under load, suitable for high-end European machinery and automotive standards.

Get an Instant Quote for your custom Aluminum 6082-T651 parts today.