Aluminum 7075-T7351 | 3.4365 | 76528 | AlZn5.5MgCu

Aluminum 7075-T7351 offers high strength with improved stress corrosion resistance.

Mechanical properties

Ultimate tensile strength	460 - 510 MPa
Yield strength	385 - 410 MPa
Elongation at break	6 - 8 %

Physical properties

Corrosion resistance	Moderate
Magnetism	Non-magnetic
Weldability	Poor

Thermal properties

Thermal conductivity	130 - 155 W/(m·°C)

Post treatments

Anodizing compatibility	Not recommended - due to the high amount of zinc that the material contains, dark spots or corroded marks may be observed

Common applications

Automotive Industry	
Aerospace Industry	
Defense Industry	
Tooling Industry	
Marine Industry	

Aluminum 7075-T7351 CNC Machining Applications & Parts

The T7351 temper offers 7075 aluminum improved stress-corrosion cracking resistance and exfoliation corrosion resistance compared to the T6 temper, while retaining high strength. It is ideal for aerospace applications requiring enhanced corrosion performance.

Typical Parts We Machine from 7075-T7351:

- **Aerospace Structures:** Aircraft upper wing skins, horizontal stabilizer components, longerons
- **Marine Aerospace:** Components for carrier-based aircraft and other maritime environments

Our Machining Advantage:

We precision machine 7075-T7351 to create components that offer the perfect balance of supreme strength, fatigue resistance, and durability in corrosive environments, critical for safety-of-flight parts.

Get an Instant Quote for your custom Aluminum 7075-T7351 parts today.