Mild steel S355J2 | 1.0577 | 1522H | Fe 510 D

Mild Steel S355J2 is high-strength structural steel for demanding parts.

Mechanical properties

Ultimate tensile strength	450 - 580 MPa
Yield strength	265 - 340 MPa
Young's modulus (modulus of elasticity)	217 GPa
Elongation at break	14 - 20 %

Post treatments

Anodizing compatibility	Not suitable

Common applications

Commonly used in structural applications	
Machine building and offshore platforms building	

Mild Steel S355J2 CNC Machining Applications & Parts

Mild Steel S355J2 is a high-strength low-alloy structural steel that provides excellent mechanical properties with good weldability and impact resistance. This grade offers superior performance compared to S235 and S275 steels, making it suitable for more demanding structural applications. Our CNC machining services handle this robust material with precision and efficiency.

Typical Parts We Machine from Mild Steel S355J2:

- **Heavy Structural Components:** Bridge elements, crane parts, support structures, heavy machinery frames
- **Construction Equipment:** Excavator components, bulldozer parts, construction machinery elements
- **Marine & Offshore:** Shipbuilding components, offshore platform parts, marine structures

Our Machining Advantage:

We employ robust machining strategies and appropriate tooling to effectively process S355J2's higher strength, ensuring dimensional accuracy and surface quality for critical structural components.

Get an Instant Quote for your custom Mild Steel S355J2 parts today.