Mild Steel S235JR | 1.0038 | Fe 360 B

Mild Steel S235JR is structural steel with good weldability.

Mechanical properties

Ultimate tensile strength	340 - 470 MPa
Yield strength	170 - 340 MPa
Young's modulus (modulus of elasticity)	200 GPa
Elongation at break	23 - 28 %

Post treatments

Anodizing compatibility	Not suitable

Common applications

Tools and cutters	
Vehicle structures	
It is typically used in the construction of buildings and bridges	

Mild Steel S235JR CNC Machining Applications & Parts

Mild Steel S235JR is a non-alloy structural steel grade known for its good weldability, formability, and reliable mechanical properties. As a versatile and cost-effective carbon steel, it is widely used in general construction and manufacturing. Our CNC machining services efficiently process this material into precise components for various industrial applications.

Typical Parts We Machine from Mild Steel S235JR:

- **Structural Components:** Support brackets, framework elements, base plates, structural connectors
- **General Machinery:** Machine guards, housings, simple gears, agricultural equipment parts
- **Construction Hardware:** Fasteners, anchors, mounting plates, building fixtures

Our Machining Advantage:

We optimize cutting parameters for S235JR to achieve efficient material removal, clean edges, and consistent dimensional accuracy, making it ideal for cost-sensitive projects requiring reliable performance.

Get an Instant Quote for your custom Mild Steel S235JR parts today.