Mild steel S275JR | 1.0044 | Fe430B

Mild Steel S275JR offers good strength and weldability as structural steel.

Mechanical properties

Ultimate tensile strength	380 - 480 MPa
Yield strength	190 - 230 MPa
Elongation at break	12 - 20 %

Common applications

Beams	
Structural applications	
General engineering and fabrication	

Mild Steel S275JR CNC Machining Applications & Parts

Mild Steel S275JR is a non-alloy structural steel grade that offers good strength, excellent weldability, and reliable mechanical properties. As an intermediate grade between S235 and S355 steels, it provides a balance of performance and cost-effectiveness for various structural applications. Our CNC machining services deliver precise components from this versatile material.

Typical Parts We Machine from Mild Steel S275JR:

- **Building Construction:** Structural frames, support elements, building connectors, and reinforcement parts
- **General Engineering:** Machine components, agricultural machinery parts, material handling equipment
- **Infrastructure Projects:** Bridge components, tower elements, and structural supports

Our Machining Advantage:

We employ optimized machining techniques for S275JR to achieve excellent dimensional accuracy and surface quality, ensuring reliable performance in structural and general engineering applications.

Get an Instant Quote for your custom Mild Steel S275JR parts today.