Mild steel 1018 | 1.1147 | C18 |16Mn

Mild Steel 1018 offers good CNC machinability, weldability and toughness.

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 1018 CNC Machining Applications & Parts

Mild Steel 1018 is a popular low-carbon steel known for its excellent weldability, good machinability, and balanced strength and ductility. As one of the most commonly used carbon steels, it offers reliable performance for a wide range of general-purpose applications. Our CNC machining services produce precise components from this versatile and cost-effective material.

Typical Parts We Machine from Mild Steel 1018:

- **General Fabrication:** Brackets, pins, shafts, and structural supports
- **Automotive Components:** Non-critical engine parts, chassis components, suspension parts
- **Consumer Products:** Furniture hardware, appliance components, DIY project parts

Our Machining Advantage:

We leverage 1018 steel's excellent machinability to achieve high production efficiency, tight tolerances, and smooth surface finishes, making it ideal for prototyping and high-volume manufacturing.

Get an Instant Quote for your custom Mild Steel 1018 parts today.