

6082

MATERIAL:

6082

TECHNOLOGY:

CNC

6082 is an aluminum alloy widely used in CNC machining due to its excellent mechanical properties and ease of processing. This alloy exhibits good corrosion resistance and high tensile strength, making it suitable for a wide range of industrial applications. Its workability makes it particularly suitable for creating components with complex geometries through milling, drilling, and CNC cutting.

Thanks to its lightweight and strength, material 6082 is often employed in the automotive, aerospace, and mechanical engineering industries for the production of structural parts and precision components. CNC machining of material 6082 enables the achievement of high-quality surface finishes and tight dimensional tolerances, ensuring the precision and reliability required in numerous industrial sectors.

PERFORMANCE



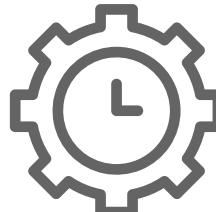
Performance-centered design

QUALITY



Quality standards, sometimes enhancing

SPEED



From prototyping to mass production

PRODUCTION



Purely on-demand production capacity

MECHANICAL PROPERTIES

- **Tensile Modulus:** 69,5 GPa
- **Tensile Stress at Yield:** 230 MPa
- **Tensile Stress at Break:** 285 MPa
- **Tensile Strain at Break:** 6 %
- **Hardness:** 180 HB

PHYSICAL PROPERTIES

- **Density:** 2,7 g/cm³

PRINTING DIMENSIONS

- **MAX printing dimensions [X] :** 500 mm
- **MAX printing dimensions [Y] :** 500 mm
- **MAX printing dimensions [Z] :** 300 mm

