AISI 316L

MATERIAL:
AISI 316L

TECHNOLOGY:
CNC

AISI 316L material is a stainless steel alloy characterized by excellent mechanical properties and corrosion resistance, making it ideal for CNC machining. This type of steel is widely used in industrial, aerospace, and medical fields, where precision and reliability are paramount. Thanks to its chemical composition, which includes significant amounts of chromium, nickel, and molybdenum, AISI 316L offers superior corrosion resistance compared to other stainless steels.

This feature makes it suitable for the production of components that must operate in aggressive environments or come into contact with corrosive fluids. Additionally, the workability of AISI 316L makes it suitable for CNC machining, allowing the creation of parts with tight tolerances and high-quality surface finishes, crucial in numerous industrial sectors.

PERFORMANCE

Performance-centered design

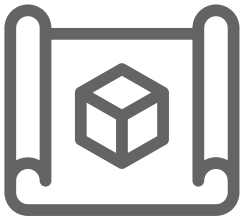
QUALITY

Quality standards, sometimes enhancing

SPEED

From prototyping to mass production

PRODUCTION



Purely on-demand production capacity

MECHANICAL PROPERTIES

- **Tensile Modulus:** 200 GPa
- **Tensile Stress at Yield:** 205 MPa
- **Tensile Stress at Break:** 560 MPa
- **Tensile Strain at Break:** 45 %
- **Charpy Impact**: 103 J
- **Hardness:** 215-225 HB

PHYSICAL PROPERTIES

- **Density:** 8 g/cm³
- **Melting Temperature:** 1435 °C

PRINTING DIMENSIONS

- **MAX printing dimensions [X] :** 300 mm
- **MAX printing dimensions [Y]:** 300 mm
- **MAX printing dimensions [Z] :** 60 mm

Madeinadd SRL - Via Pier Carlo Boggio, 59 - 10138 Torino
P.Iva 12722530016 - **madeinadd.com**