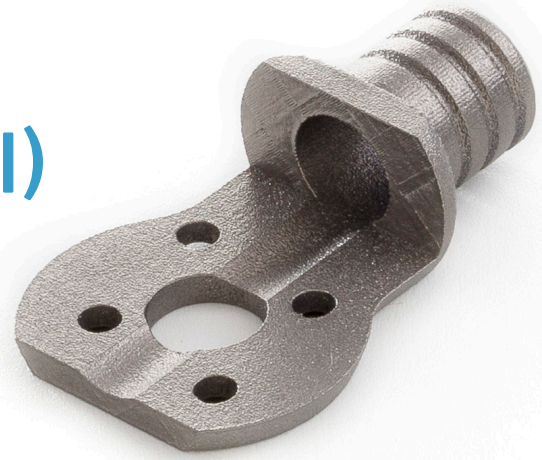


DIRECT METAL LASER SINTERING

TITANIUM (Ti-6Al-4V ELI) PRODUCT SPECIFICATIONS



PRODUCT DESCRIPTION:

Protolabs Titanium material is used in our DMLS process. Also known as Ti 6-4, this workhorse alloy of titanium contains 6% Aluminum and 4% Vanadium. It is light-weight, high strength, and has excellent high-temperature and corrosion resistance.

APPLICATIONS:

Due to its light-weight, high strength, and excellent high-temperature and corrosion resistance, Titanium is often used for aerospace applications. The ELI (Extra Low Interstitial) grade is a high-purity grade of Ti 6-4, making it an excellent choice for medical applications as well.

KEY PRODUCT BENEFITS

- Light-weight
- High Strength
- Excellent High-temperature and Corrosion Resistance

PROPERTIES:

Standard	Ultimate Tensile Strength (ksi)	0.2% Yield (ksi)	Elongation (%)	Hardness (HRC)
ASTM F3001-13	124.7	115.3	10	39