

MATERIAL

100% short circuit recycled titanium.

ENVIRONMENTAL IMPACT

Very large reduction, not measured.

APPLICATIONS

Mainly used for its low density, extremely low weight and high resistant to shocks and especially for its perfect aesthetics (hyper regulated molecular mesh). It can be in prolonged contact with the skin (anti-allergenic).

BATCH CERTIFICATE	Guarantee of traceability of raw materials used.
AVAILABLE FORMATS	- Bar stock: diameters of 45mm, 48mm, 60mm, length 0.80 to 1.20 meter. - To order: by 200 kg according to your dimensions.
PROCESS SPECIFICATIONS	Forged bar, heat treated, ground h11 and cut to length.
DESIGNATION	DIN 3.7165, Grade 5, Ti6A14V.
CHEMICAL COMPOSITION (AVERAGE DATA)	Ti: 90.00, Al: 6.00, V: 4.00
GENERAL PROPERTIES	Good machinability in conventional or automatic machines, difficult stamping, very good polishability.
MECHANICAL PROPERTIES	At 20 degrees the yield strength is at least 795 MPa, the tensile strength at least 860 MPa and the elongation at least 10 %.
MICROSTRUCTURE	According to ETTC 2, in cross section and longitudinal section, it is between A1 and A8, typically between A2 and A6.
SURFACE TREATMENTS	Electrolytic / chemical / laser / galvanic: very good.
JOINING TECHNIQUES	Possible but difficult.
STAMPING ABILITY	Possible but difficult.
CORROSION RESISTANCE	This Titanium remains one of the best of its family, it conforms to the tests according to ASTM B348, ISO5832-3, DIN 17862.