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**MATERIAL**

100% recycled titanium in short circuit.

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**ENVIRONMENTAL IMPACT**

Very strong reduction, not measured.

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**APPLICATIONS**

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

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**BATCH CERTIFICATE**

Guarantee of traceability of raw materials used.

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**AVAILABLE FORMATS**

- In bars: diameter 45mm, 48mm, 60mm, length 0.80 to 1.20 meter.  
- On order: by 200 kg according to your dimensions.

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**PROCESS SPECIFICATIONS**

Forged bar, heat treated, ground h11 and cut to length.

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**DESIGNATION**

DIN 3.7165, Grade 5, Ti6Al4V.

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**CHEMICAL COMPOSITION  
(AVERAGE DATA)**

Ti: 90.00, Al: 6.00, V: 4.00

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**GENERAL PROPERTIES**

Good machinability in conventional or automatic machines, difficult stamping, very good polishability.

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**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 %.

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**MICROSTRUCTURE**

According to ETTC 2, in cross section and longitudinal section, it is between A1 and A8, typically between A2 and A6.

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**SURFACE TREATMENTS**

Electrolytic / chemical / laser / galvanic: very good.

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**JOINING TECHNIQUES**

Possible but difficult.

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**STAMPING ABILITY**

Possible but difficult.

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**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.

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