ALLOYTI
Titanium mill products · Baoji, Shaanxi, China

Technical datasheet
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Titanium Forgings & Machined Parts

ASTM B381 · AMS 4928 · to customer drawing

GRADES AND TYPICAL MECHANICAL PROPERTIES

Grade	Designation	Rm (MPa, min)	Rp0.2 (MPa, min)	A (%, min)
Gr.2	TA2	345	275	20
Gr.5	TC4 / Ti-6Al-4V	895	828	10
Gr.5 ELI	Ti-6Al-4V ELI	860	795	10
Gr.7	Ti-0.15Pd	345	275	20

Values are ASTM minimums for annealed material at room temperature; density 4.51 g/cm³ (Gr.1–Gr.4), 4.43 g/cm³ (Gr.5).

SUPPLY FORMS AND SIZES

Weight	0.5–500 kg per piece
Process	Open-die and closed-die forging, then machining
Tolerance	Per drawing; rough or finish machined
Testing	UT, PT, RT and mechanical testing on request

CONDITION AND FINISH

Annealed and stress relieved; supplied rough machined or finished to drawing.

INSPECTION AND DOCUMENTS

Mill certificate to EN 10204 3.1, dimensional report, heat-lot traceability, NDT reports.

TYPICAL APPLICATIONS

Aircraft structural forgings, valve bodies and flanges, marine fittings, pump and compressor components.

ORDERING

MOQ 50 kg for stock sizes, 500 kg for custom or non-standard items — both negotiable. Lead time about 20 days after deposit and drawing confirmation. FOB / CIF / EXW. Payment 30% T/T deposit, 70% before shipment or against a copy of the bill of lading.

This datasheet summarises typical properties for evaluation. Final grade, tolerances and testing are confirmed in the quotation and the order confirmation.