ALLOYTI
Titanium mill products · Baoji, Shaanxi, China

Technical datasheet
Rev. 2026-11
sales@alloyti.com
+86 185 2328 3306

Titanium Fasteners

ASTM F468 (bolts) · ASTM F467 (nuts) · ASTM F436 (washers)

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.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

Metric	M3–M36
Imperial	#4–1 1/2 in, to drawing
Types	Hex bolts, socket head, studs, nuts, washers, custom parts
Finish	Plain, anodised, MoS2 coated

CONDITION AND FINISH

Rolled thread, heat treated where required by the grade; tensile and hardness tested per lot.

INSPECTION AND DOCUMENTS

Mill certificate to EN 10204 3.1; dimensional report; lot traceability by heat number.

TYPICAL APPLICATIONS

Aerospace assembly (Gr.5), marine and offshore hardware, chemical plant, medical and sports equipment.

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.