

TITANIUM GR.4

TITANIUM ALLOY

CORROSION RESISTING ALLOYS WITH LOW DENSITY

Titanium Alloy Grade 4 is "unalloyed" titanium offering improved strength, moderate ductility. The material is readily weldable. This material is very corrosion resistant in highly oxidizing and mildly reducing environments. The material is castable and is often utilized in cast valves and fittings. The alloy is available as castings, wire, plate, sheet, strip, forgings, bar, and billet. Used mostly in aerospace applications.

Chemical Properties

C	Fe	O	H	N	Ti
0.08 Max	0.50 Max	0.4Max	0.015Max	0.05Max	Balance

Minimum Mechanical Properties

Yield strength	Tensile strength	Elongation	Reduction
Min 0.2% Mpa	Min Mpa	Min %	Min %
483	550	15	25

Typical Mechanical Properties

Yield strength	Tensile strength	Elongation	Reduction
Min 0.2% Mpa	Min Mpa	Min %	Min %
571	593	20	--

Specification:

AMS 4901
AMS 4921
ASTM B265 (Grade 4)
ASTM B348 (Grade 4)
ASTM B367 (Grade 4)
ASTM B381
ASTM F67 (Grade 4)
ISO 5832-2 Grade 4
MIL-T-9047 Ti-CP-70
MIL-T-9046

Product Form:

Sheet, Strip, and Plate
Bars, wire, forgings, and rings
Strip, Sheet, and Plate
Bars and Billets
Castings
Forgings
Unalloyed Titanium for Surgical Implants
Unalloyed Titanium for Surgical Implants
Bars for forging

Equivalent Designation

UNS R50700
Din Ti 4
W.Nr. 3.7065
BTI-6,7,8,9
Italian(UNI 10221) Ti4 - Type 4
Aerospace German WL 3.7064

CUSTOMER ASSISTANCE : customer@TorqBolt.com