

TITANIUM GR.3

TITANIUM ALLOY

CORROSION RESISTING ALLOYS WITH LOW DENSITY

Titanium Alloy Grade 3 is "unalloyed" titanium offering improved strength, moderate ductility, and ASME Code design allowables. 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, welded tube, pipe, plate, sheet, strip, forgings, bar, and billet.

Chemical Properties

C	Fe	O	H	N	Ti
0.08 Max	0.3 Max	0.35Max	0.015max	0.05 Max	Balance

Minimum Mechanical Properties

Yield strength	Tensile strength	Elongation	Reduction
Min 0.2% Mpa	Min Mpa	Min %	Min %
380	450	18	30

Typical Mechanical Properties

Yield strength	Tensile strength	Elongation	Reduction
Min 0.2% Mpa	Min Mpa	Min %	Min %
462	593	25	--

Specification:

AMS 4900
 ASME SB-265
 ASME SB-348
 ASTM 337
 ASTM B265 (Grade 3)
 ASTM B348 (Grade 3)
 ASTM B367 (Grade 3)
 ASTM B381
 ASTM B861
 ASTM B862
 ASTM F67 (Grade 3)
 AWS A5.16 (ERTI-3)
 ISO 5832-3

Product Form:

Sheet, Strip, and Plate
 Sheet, Strip, and Plate
 Bar and Billet
 Seamless and Welded Pipe
 Strip, Sheet, and Plate
 Bars and Billets
 Castings
 Forgings
 Seamless Pipe Welded Pipe
 Unalloyed Titanium for Surgical Implants
 Weld Wire
 Unalloyed Titanium for Surgical Implants

Equivalent Designation

UNS R50550
 W.Nr. 3.7055
 Italian(UNI 10221) Ti3 - Type 3

CUSTOMER ASSISTANCE : customer@TorqBolt.com