

ATLAS BALL & BEARING CO. LIMITED

6Al4V TITANIUM BALL DATA SHEET

Attributes

Low weight, high strength material. Immune to corrosive attacks by salt water or marine atmosphere and exhibits exceptional resistance to a broad range of acids, alkalis and industrial chemicals.

Specification with equivalents

6Al4V
ASTM Grade 5
AFNOR TA6V
DIN 3.7165
UNS R56400

Chemical Analysis (%)

Ni	0.05 max	O	0.2 max
C	0.08 max	Al	5.5-6.5
H	0.012 max	V	3.5-4.5
Fe	0.25 max	Ti	Bal

Typical Uses/Applications

Marine and offshore applications
Aircraft components

Mechanical/Physical Properties

Hardness: 320-330 HB
Melting range: 1540-1760^o C
Specific Gravity: 4.47 g/cm³
Density: 0.157 lb/in³
Magnetic properties: Non magnetic
Poisson's ratio 0.30-0.33
Modulus of Elasticity 105-116 GPa

www.atlasball.co.uk