

15-3-3-3 Titanium is a high strength, heat treatable, metastable beta titanium alloy that can be successfully cold rolled to the dimensions shown below.

## Dimensional

Thickness	Maximum Width
0.025" - 0.003" (.635 - .08mm)	17.5" (444.5mm) as rolled edge 17.0" (431.8mm) with a slit edge
0.0029" - 0.001" (.079 - .0254mm)	16.5" (419.1mm) as rolled edge 16.0" (406.4mm) with a slit edge
0.0009" - 0.0004" (.025 - .01mm)	15.5" (393.7mm) as rolled edge 15.5" (393.7mm) with a slit edge
0.00039" - 0.00008" (.099 - .002mm)	4.25" (107.95mm) as rolled edge 4.0" (101.6mm) with a slit edge

## Typical Mechanical Properties (Solution Annealed)

UTS ksi (MPa)	YS ksi (MPa)	Elongation %
102-137 (703-945)	100-126 (689-869)	Information only

## Chemical Composition (wt %)

Element	Minimum	Maximum	Element	Minimum	Maximum
N	-	.05	O	-	.13
C	-	.05	AL	2.5	3.5
H	-	.015	V	14.0	4163.0
Fe	-	.25	Sn	2.5	3.5
Cr	2.5	3.5	Residual - each	-	.1 (.4 total)

## Physical Properties

Density	0.173 lb/in <sup>3</sup> (4.78 g/cm <sup>3</sup> )
Beta Transus	1400 ±25°F (760 ±10°C)
Melting (liquidus) Point	3034°F (1668°C)
Magnetic Permeability	Nonmagnetic
Modulus of Elasticity	11.9 x 10 <sup>7</sup> lb/in <sup>2</sup> (82x10 <sup>3</sup> MPa)

## TYPICAL AEROSPACE APPLICATIONS

- Honeycomb structures
- Ductwork
- Propellant tanks
- Springs

## DELIVERY

**Availability**  
Global.

**Size**  
Available in thicknesses and widths per table.

**Temper**  
Available in the annealed or as rolled condition.

**Surface**  
Clean uniform surface, 1Ra - 16Ra without discoloration or surface defects. Available with a slit edge (typical burr <10% of strip thickness) or an as-rolled edge.

**Packing**  
Properly packaged to avoid damage in transit. International packaging available upon request.

**Conformance**  
AMS4914 (latest revision) with exceptions per ED-RP-0001, DFARS Compliant.

**Certifications**  
ISO9001, AS9001, Nadcap.