



TITANIUM INDUSTRIES, INC.

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FULL LINE

FULL LINE

The World's Most Complete Inventory of Titanium Mill Products

- **Ti 6Al-4V and 6Al-4V Eli Plate**
 - Typically 48" wide x 120" long or cut to size
 - Gauges from .1875 to 4" thick
- **Commercially Pure Titanium Plate**
 - Typically 96" wide x 240" long or cut to size
 - Gauges from .1875" to 4" thick
- **Commercially Pure Titanium Sheet**
 - Available up to 48" wide x coil or cut to size
 - Gauges from .020" to .187" thick
- **Ti 6Al-4V Sheet**
 - Available up to 48" wide x 96" - 144" or cut to size
 - Gauges from .020" to .187" thick
- **Specialty Alloys**
 - Including 6-6-2, 6-2-4-2, 6-2-4-6, 6-2-2-2-2, 10-2-3, 7-4, etc.
- **Forged Block**
 - CP and Alloy
 - Custom forged or cut to size from stock
- **Fittings and Flanges**
 - ASME/ANSI
- **Welded and Seamless Tubing**
- **Ti 6Al-4V and 6Al-4V Eli Bar and Billet**
 - .125" dia. Up to 14" dia. (stock, larger by request)
 - Precision ground (+/- .0005) available up to .625" dia.
- **Commercially Pure Titanium Bar and Billet**
 - .125" dia. Up to 14" dia. (stock, larger by request)
 - Precision ground available, please inquire
- **Roll Formed and Welded Titanium Pipe (Gr 2)**
 - Typically 20' R/L (inquire for longer sizes)
 - 1" NPS to 10" NPS
 - Schedule 10S and 40S
- **Brake Press Formed and Welded Titanium Pipe**
 - 6" NPS to 36" NPS
 - .1875" to 2" Wall Thickness
- **Seamless Titanium Pipe**
 - Available up to 20' R/L
 - .500" NPS to 4" NPS
 - Schedule 10S, 40S, 80S and custom
- **Weld Wire & Welding Supplies AWS ERTi**

General Specifications

ASTM B265 Plate and Sheet
ASTM B299 Sponge
ASTM B861/B862 Pipe
ASTM B338 Welded Tube
ASTM B348 Bar
ASTM B363 Fittings
ASTM B367 Castings
ASTM B381 Forgings

ASTM F1108
ASTM F1295
ASTM F1341
ASTM F136
ASTM F1472
ASTM F620
ASTM F67
Various specialty AMS and MIL-T Specs

6Al-4V Castings for surgical implants
6Al-7 Niobium alloy for surgical implant applications
Unalloyed Titanium wire for surgical implant applications
6Al-4V Eli for surgical implant applications
6Al-4V For surgical implant applications
6Al-4V Eli forgings for surgical implants
Unalloyed titanium for surgical implant applications

Value Added Services

- JIT Inventory
- Contract Fabrication
- First Stage Processing
- Welding/Welding Instruction
- Saw Cutting
- Torch Cutting
- Materials Testing
- Waterjet Cutting
- Contract Source Inspection
- Shearing
- Laser Cutting
- Slitting



Titanium Bar & Billet Weight Table (Rounds, Squares)

SIZE (INCH)	SIZE (DEC)	ROUND (LB/FT)	SQUARE (LB/FT)
1/8"	0.125	0.024	0.031
3/16"	0.1875	0.054	0.069
1/4"	0.250	0.096	0.122
5/16"	0.3125	0.150	0.191
3/8"	0.375	0.216	0.275
7/16"	0.4375	0.294	0.374
1/2"	0.500	0.384	0.489
9/16"	0.5625	0.487	0.619
5/8"	0.625	0.600	0.764
11/16"	0.6875	0.726	0.924
3/4"	0.750	0.864	1.100
13/16"	0.8125	1.014	1.291
7/8"	0.875	1.177	1.497
15/16"	0.9375	1.351	1.719
1"	1.000	1.536	1.956
1 1/16"	1.0625	1.734	2.207
1 1/8"	1.125	1.944	2.476
1 3/16"	1.1875	2.166	2.759
1 1/4"	1.250	2.400	3.056
1 5/16"	1.3125	2.645	3.369
1 3/8"	1.375	2.904	3.699
1 7/16"	1.4375	3.175	4.042
1 1/2"	1.500	3.456	4.401
1 9/16"	1.5625	3.750	4.775
1 5/8"	1.625	4.056	5.165
1 11/16"	1.6875	4.374	5.570
1 3/4"	1.750	4.705	5.990
1 13/16"	1.8125	5.047	6.425
1 7/8"	1.875	5.400	6.876
1 15/16"	1.9375	5.766	7.342
2"	2.000	6.144	7.824
2 1/16"	2.0625	6.534	8.320
2 1/8"	2.125	6.937	8.832
2 3/16"	2.1875	7.350	9.359
2 1/4"	2.250	7.777	9.902
2 5/16"	2.3125	8.215	10.460
2 3/8"	2.375	8.665	11.034
2 7/16"	2.4375	9.128	11.621
2 1/2"	2.500	9.601	12.225

SIZE (INCH)	SIZE (DEC)	ROUND (LB/FT)	SQUARE (LB/FT)
2 9/16"	2.5625	10.087	12.844
2 5/8"	2.625	10.585	13.478
2 11/16"	2.6875	11.096	14.127
2 3/4"	2.750	11.618	14.792
2 13/16"	2.8125	12.152	15.471
2 7/8"	2.875	12.698	16.167
2 15/16"	2.9375	13.255	16.877
3"	3.000	13.826	17.604
3 1/16"	3.0625	14.408	18.345
3 1/8"	3.125	14.999	19.101
3 3/16"	3.1875	15.608	19.873
3 1/4"	3.250	16.226	20.660
3 5/16"	3.3125	16.857	21.462
3 3/8"	3.375	17.495	22.280
3 7/16"	3.4375	18.153	23.113
3 1/2"	3.500	18.819	23.961
3 9/16"	3.5625	19.498	24.824
3 5/8"	3.625	20.188	25.703
3 11/16"	3.6875	20.890	26.596
3 3/4"	3.750	21.604	27.506
3 13/16"	3.8125	22.330	28.430
3 7/8"	3.875	23.067	29.370
3 15/16"	3.9375	23.817	30.324
4"	4.000	24.579	31.296
4 1/2"	4.500	31.108	36.609
5"	5.000	38.406	48.900
5 1/2"	5.500	46.464	59.168
6"	6.000	55.296	70.446
7"	7.000	75.264	95.844
8"	8.000	98.318	125.184
9"	9.000	124.416	158.436
10"	10.000	153.600	195.600
11"	11.000	185.856	236.676
12"	12.000	221.184	281.664
14"	14.000	301.056	383.376
16"	16.000	393.216	500.736
18"	18.000	497.664	633.744
20"	20.000	614.400	782.400

Custom parts can also be processed to extremely accurate tolerances.

Weights are based on a density of 0.163 pounds per cubic inch and apply to all grades except:

- Ti-8Al-1Mo-1V Multiply by 0.97
- Ti-6Al-2Sn-4Zr-6Mo Multiply by 1.03
- Ti-10V-2Fe-3Al Multiply by 1.03
- Ti-13V-11Cr-3Al Multiply by 1.07

Use the following formulas to calculate lb/ft for sizes not shown:

- Rounds 1.536 x (diameter)²
- Squares 1.956 x (side)²
- Metric Conversion 1 inch = 25.4 mm
- 1 meter = 3.2808 feet
- 1 pound = 0.4536 kg