



Alloy Cost Comparison Chart

TITANIUM • TANTALUM • ZIRCONIUM • HASTELLOY® • DUPLEX STAINLESS STEEL

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www.astrolite.com

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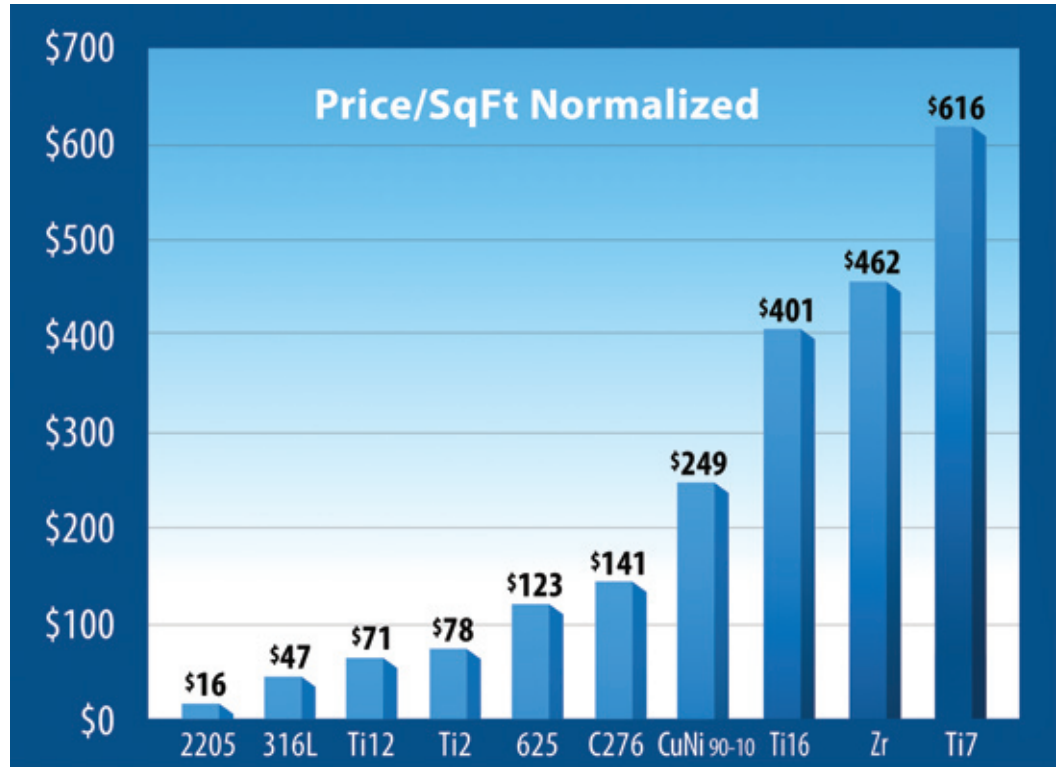
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Astrolite / Tricor Alloys
California Division
201 Bernoulli Circle, Units B & C
Oxnard, CA 93030
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Titanium - Affordable & Available Updated 3rd Quarter 2020



Metal	Density (Lbs/In ³)	Yield Strength (PSI)	Price/lb	Price/Sq Ft	Price/Sq Ft Normalized
2205	0.29	65,000	\$2.52	\$26	\$16
316L	0.29	25,000	\$2.84	\$30	\$47
Ti12	0.163	50,000	\$15.07	\$88	\$71
Ti2	0.163	40,000	\$13.34	\$78	\$78
625	0.305	55,000	\$15.45	\$170	\$123
C276	0.32	41,000	\$12.56	\$145	\$141
CuNi 90-10	0.323	15,000	\$8.02	\$93	\$249
Ti16	0.163	40,000	\$68.32	\$401	\$401
Zr	0.234	30,000	\$41.12	\$346	\$462
Ti7	0.163	40,000	\$104.98	\$616	\$616

Want free updates of this chart? Email us your contact information.

Titanium Distribution • Fabrication • Design • Field Repairs

Tricor Metals is a world leading distributor of titanium mill products like plate, sheet, bar, billet, pipe and forgings. We are also custom fabricators and build process equipment in titanium, tantalum, zirconium, high-nickel alloys, duplex and 300-series stainless steel. Our field repair crews are mobilized globally to weld repair reactive metal equipment. **Contact us anytime.**



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Table of Titanium Specifications (ASTM)

Specification No.	Description
ASTM-F136	Wrought Titanium-6 Aluminum-4 Vanadium ELI (Extra Low Interstitial) Alloy (UNSR56401) for Surgical Implant Applications
ASTM-F67	Unalloyed Titanium for Surgical Implant Applications (UNS R50250, UNS R50400, UNS R50550, UNS R50700)
ASTM-F1108	Ti6AL4V Alloy Castings for Surgical Implants (UNS R56406)
ASTM-F-620	Alpha Plus Beta Titanium Alloy Forgings for Surgical Implants
ASTM-F1472	Wrought Titanium-6 Aluminum-4 Alloy for Surgical Implant Applications (UNS R56400)
ASTM-F1341	Unalloyed Titanium Wire UNS R50250, UNS R50400, UNS R50550, UNS R50700, for Surgical Implant Applications
ASTM-F1295	Wrought Titanium-6 Aluminum-7 Niobium Alloy for Surgical Implant Applications (UNS R56700)
ASTM B265	Titanium and Titanium Alloy Strip, Sheet, and Plate
ASTM-B299	Titanium Sponge
ASTM-B338	Seamless and Welded Titanium & Titanium Alloy Tubes for Condensers & Heat Exchangers
ASTM-B348	Titanium and Titanium Alloy Bars and Billets
ASTM-B363	Seamless and Welded Unalloyed Titanium & Titanium Alloy Welding Fittings
ASTM-B367	Titanium and Titanium Alloy Castings
ASTM-B381	Titanium and Titanium Alloy Forgings
ASTM-B600	Standard Guide for Descaling and Cleaning Titanium & Titanium Alloy Surfaces
ASTM-B861	Titanium and Titanium Alloy Seamless Pipe
ASTM-B862	Titanium and Titanium Alloy Welded Pipe
ASTM-B863	Titanium and Titanium Alloy Wire

Table of Zirconium (Zr) Specifications (ASTM)

Specification No.	Description
ASTM-B493	Zirconium and Zirconium Alloy Forgings
ASTM-B494	Primary Zirconium
ASTM-B495	Zirconium and Zirconium Alloy Ingots
ASTM-B523	Zirconium and Zirconium Alloy Seamless & Welded Tubes
ASTM-B550	Zirconium and Zirconium Alloy Bar and Wire
ASTM-B551	Zirconium and Zirconium Alloy Strip, Sheet and Plate
ASTM-B614	Practice for Descaling and Cleaning Zirconium and Zirconium Alloy Surfaces
ASTM-B653	Zirconium and Zirconium Alloy Welding Fittings
ASTM-B658	Zirconium and Zirconium Alloy Seamless & Welded Pipe

Table of Niobium (Nb) Specifications (ASTM)

Specification No.	Description
ASTM-B391	Niobium and Niobium Alloy Ingots
ASTM-B392	Niobium and Niobium Alloy Bar, Rod, and Wire
ASTM-B393	Niobium and Niobium Alloy Strip, Sheet, & Plate
ASTM-B394	Niobium and Niobium Alloy Seamless & Welded Tubes

Table of Tantalum (Ta) Specifications (ASTM)

Specification No.	Description
ASTM-B364	Tantalum and Tantalum Alloy Ingots
ASTM-B365	Tantalum and Tantalum Alloy Rod & Wire
ASTM-B521	Tantalum and Tantalum Alloy Seamless & Welded Tubes
ASTM-B708	Tantalum and Tantalum Alloy Plate, Sheet, & Strip