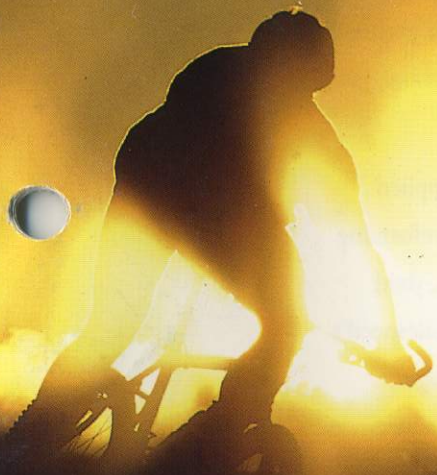


1995 Catalog



World Leader in Cycling Technology



Litespeed Quality.

At Litespeed, we have never been satisfied with accepting current technology as being the best one can do. Every day we stay focused on applying our 40 years of metal fabricating experience to advancing the “state-of-the-art” in cycling technology. Our cold-worked 3AL-2.5V and exclusive 6AL-4V titanium tubesets are proof positive that when it comes to standard titanium tubing, just being titanium isn’t good enough anymore.

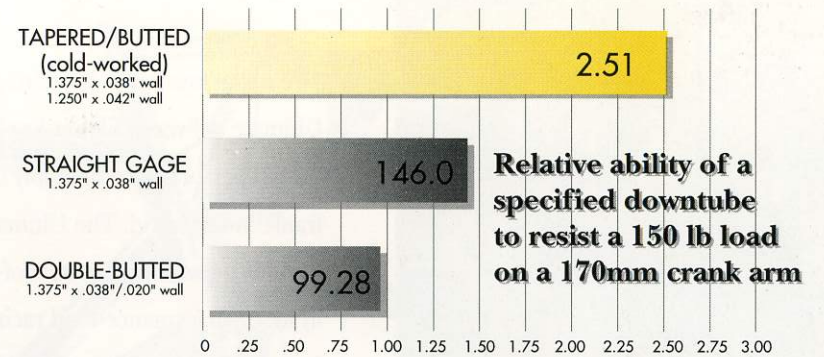
Cold-working is by definition, “the plastic deformation of metals under the action of applied forces at temperatures below the recrystallization temperature.” This translates to the reforming of a metal at room temperature. The results of this process are an increase in hardness, yield point, and strength of the metal. There is also a decrease in density and conductivity. Litespeed’s unique manipulation of this technology allows for the creation of a tubeset that is stronger, lighter, and dampens vibration better than standard 3AL-2.5V that other frame builders use.

6AL-4V is an alloy of titanium that possesses a strength to weight ratio that is approximately 30% greater than 3AL-2.5V. So, in theory, you should be able to have a tubeset that is 30% lighter than a 3/2.5, and yet just as strong. The difficulty in breathing life into this theory is that in the past, 6/4 was only available in bar and plate form. Litespeed’s unique capabilities have produced the world’s first production 6AL-4V tubeset.

There are no corporate executives in three-piece suits here, no overseas labor or materials. Litespeed quality is built into each bicycle by a select group of craftsmen, using cutting edge technology and painstaking attention to detail. With a truly state-of-the-art line designed and built for increasingly individualized needs, Litespeed is the recognized leader in titanium frames. Whatever your needs—road, off-road, triathlon, time-trialist, even custom engineered designs, Litespeed has an answer. It’s what sets us apart: Quality.

Litespeed quality.

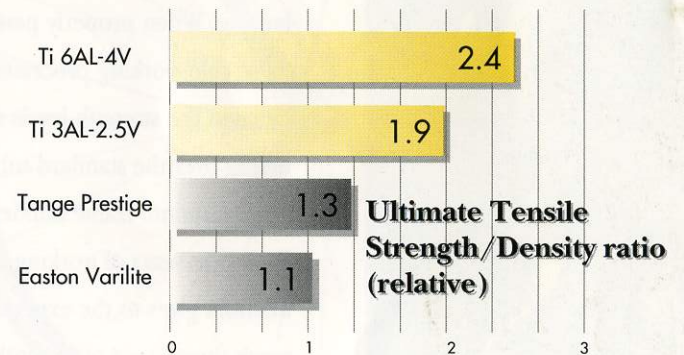
Stress Chart of Standard vs. Cold-Worked Tubesets
3AL-2.5V Titanium



Just
being
titanium
isn't
good enough
anymore.



Ultimate Tensile Strength/Weight
Comparison of Cycling Tubing Materials



Yield Strength/Weight
Comparison of Cycling Tubing Materials

