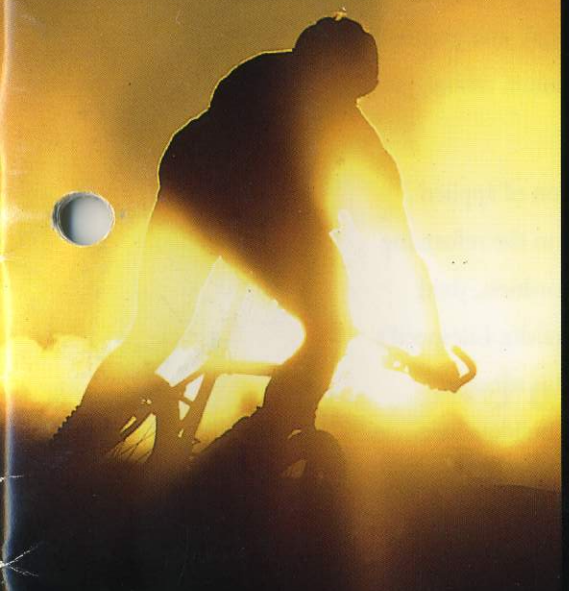
1995 Catalog



LITESPEED

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.

Litespeed

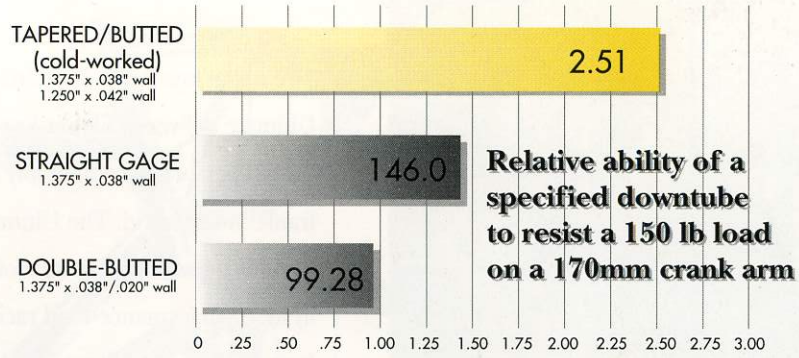
cover photo: Larry Prosor
studio photos: Med Dement

Just being titanium isn't good enough anymore.

Lifespeed TITANIUM

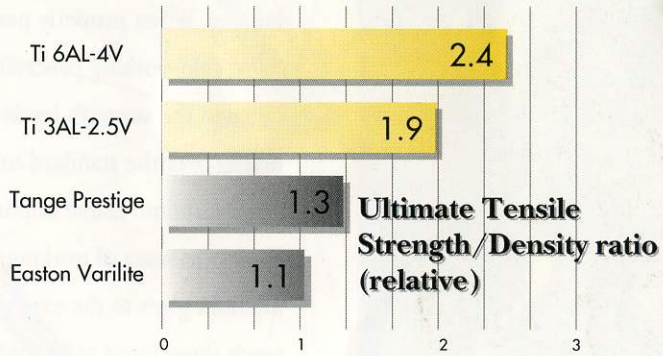
Stress Chart of Standard vs. Cold-Worked Tubesets

3AL-2.5V Titanium



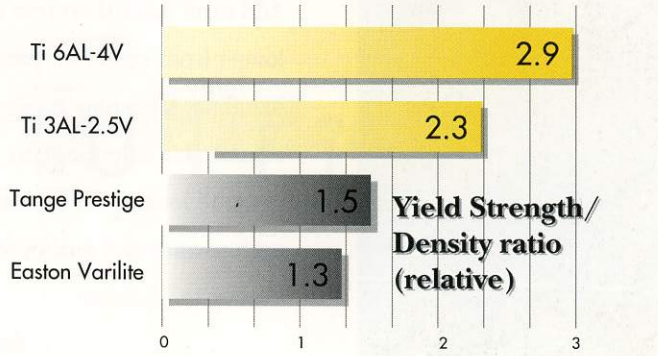
Ultimate Tensile Strength/Weight

Comparison of Cycling Tubing Materials



Yield Strength/Weight

Comparison of Cycling Tubing Materials



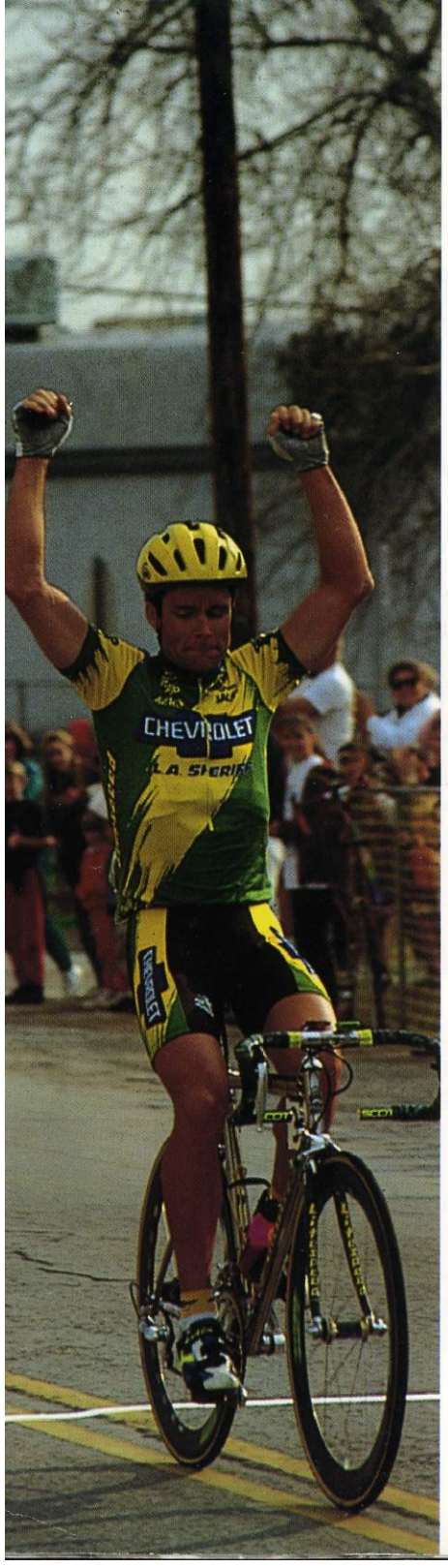


photo: Scott Scholtz Photography

Ultimate

The name says it all—the Litespeed Ultimate delivers a higher level of overall performance than any other frame in the world. The Ultimate is without question, THE state-of-the-art in high performance road racing frames. We take U.S. made, 3AL-2.5V titanium tubing, and specially cold-work it in our shop by swaging, tapering, bending, and internally butting. When properly performed, these cold-working processes actually increase the strength levels of the tubing over the standard tube used by other titanium frame builders.

Forty plus years of working with titanium gives us the experience to reach these levels of strength and yet maintain the unmatched resilient ride that makes titanium famous.

Add to all this a short rear center and longer front center for precise handling, screaming acceleration, and comfortable rider position.

If you're looking for no-compromise performance and quality, this frame lives up to it's name,

...the Ultimate.

- **1993 Tour DuPont first place team**
- **1993 British Pro Champion**
- **Yellow Jersey, stages 2, 3, and 4, in 1994 Tour DuPont**
- **1994 US Pro Champion**

Custom Tapered, Ovalized/Butted Front Triangle

Sculpted seattube sized for 27.2mm Seat Post

Litespeed custom double taper seatstays

External Cable Routing

Dual Water Bottle Bosses with Titanium Fasteners

Braze-On Front Derailleur Mount

Beautifully sculpted vertical dropouts/ 130mm Rear Spacing

Litespeed custom tapered ovalized/butted chainstays

6AL-4V 68 mm English-Threaded Bottom Bracket Shell with Vent

Size Center To Top	Top Tube Length	Head Tube Angle	Seat Tube Angle	Chain Stay Length	Wheel Base	Fork Rake	Stand Over Height	Bottom Bracket Height	Front Center Length	Head Tube Length	Weight
48cm	50.00cm	72°	74°	39.3cm	93.6cm	4.5cm	74.1cm	26.9cm	55.2cm	10.0cm	3.12 lbs
50cm	52.00cm	72.5°	73.5°	39.3cm	95.2cm	4.5cm	75.5cm	26.9cm	57.0cm	10.3cm	3.14 lbs.
52cm	53.00cm	73°	73°	39.3cm	94.3cm	4.5cm	76.9cm	26.9cm	56.1cm	10.2cm	3.17 lbs.
53cm	53.75cm	73°	73°	39.3cm	95.6cm	4.5cm	77.7cm	26.9cm	57.2cm	10.8cm	3.21 lbs
54cm	54.50cm	73°	73°	39.3cm	96.3cm	4.0cm	78.6cm	26.9cm	57.9cm	11.7cm	3.25 lbs
55cm	55.25cm	73°	73°	39.3cm	96.7cm	4.0cm	79.6cm	26.9cm	58.5cm	12.5cm	3.28 lbs
56cm	56.00cm	73°	73°	39.3cm	97.4cm	4.0cm	80.6cm	26.9cm	59.0cm	13.6cm	3.31 lbs
57cm	56.50cm	73°	73°	39.3cm	98.0cm	4.0cm	81.6cm	26.9cm	59.6cm	14.6cm	3.3
58cm	57.00cm	73°	73°	39.3cm	98.6cm	4.0cm	82.6cm	26.9cm	60.2cm	15.6cm	3.
59cm	57.50cm	73°	73°	39.3cm	99.1cm	4.0cm	83.4cm	26.9cm	60.7cm	16.8cm	3.42 lbs
60cm	58.00cm	73°	73°	39.3cm	99.6cm	4.0cm	84.5cm	26.9cm	61.7cm	17.8cm	3.46 lbs
62cm	58.50cm	73°	73°	39.3cm	100.1cm	4.0cm	86.4cm	26.9cm	61.6cm	19.9cm	3.55 lbs



Shifter Bosses, Verical Rear Dropouts, Brake Bridge, Seat Post Binder, 6AL-4V Bottom Bracket Shell, and all Cable Guides are CAD Designed and CNC Machined from Solid Titanium bar and plate.

Finishes: Traditional Brushed, Brilliant Polished

the Ultimate

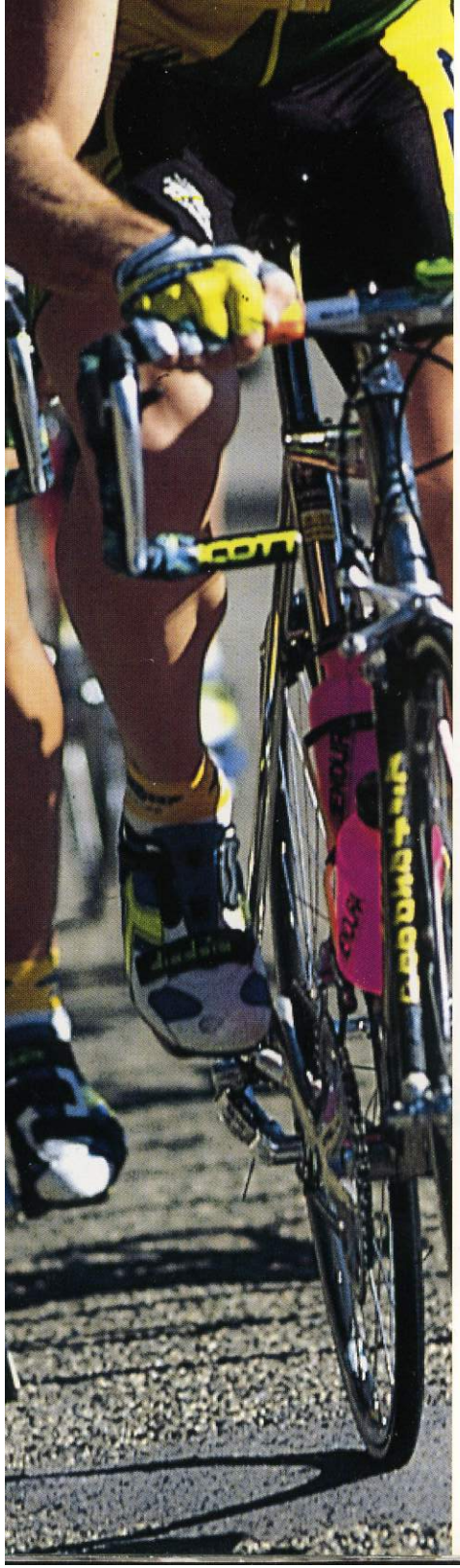


photo: Rob Lettieri

Vortex

The Litespeed Vortex has redefined the standard of performance for ultra-light frames. Utilizing the Litespeed exclusive 6AL-4V titanium tubeset, we have created a frame that while being inconceivably lightweight, maintains the strength necessary for high performance. Uncharacteristic of most frames in this weight category, the Vortex descends as well as it climbs. Such stability coupled with a well-balanced geometry allows you to carve tighter turns at higher speeds than ever before thought possible. The unmatched strength of 6AL-4V titanium resists flex making acceleration instantaneous yet controllable. On a Vortex, you'll leave the pack in your wake.

Sculpted Seattube For 27.2mm Seat Post

Litespeed Exclusive 6AL-4V Titanium Custom Tubeset

External Cable Routing

Dual Water Bottle Bosses with Titanium Fasteners

1.375 in. Clamp-On Front Derailleur Mount

Beautifully Sculpted Vertical Rear Dropouts/130mm Rear Spacing

6AL-4V Titanium, 68mm English Threaded Bottom Bracket Shell With Vent

Size Center To Top	Top Tube Length	Head Tube Angle	Seat Tube Angle	Chain Stay Length	Wheel Base	Fork Rake	Stand Over Height	Bottom Bracket Height	Front Center Length	Head Tube Length	Weight
**49cm	51.00cm	72°	74°	40.6cm	95.4cm	4.5cm	74.3cm	26.9cm	55.7cm	8.6cm	2.29 lbs
**51cm	52.50cm	72.5°	74°	40.6cm	96.6cm	4.5cm	75.8cm	26.9cm	56.9cm	8.9cm	2.39 lbs.
53cm	54.00cm	73°	74°	40.6cm	97.9cm	4.5cm	77.8cm	26.6cm	58.1cm	10.7cm	2.50 lbs.
55cm	55.50cm	73°	73°	40.6cm	97.7cm	4.0cm	79.1cm	26.6cm	58.0cm	11.9cm	2.58 lbs
57cm	56.50cm	73°	73°	40.6cm	98.6cm	4.0cm	81.1cm	26.6cm	58.9cm	13.8cm	2.66 lbs
59cm	58.00cm	73°	73°	40.6cm	99.9cm	4.0cm	82.6cm	26.3cm	60.4cm	15.7cm	2.74 lbs
**61cm	58.25cm	73°	72.5°	40.6cm	99.8cm	4.0cm	84.4cm	26.3cm	60.3cm	17.5cm	2.91 lbs

** Denotes custom frame size. "Custom" frames will not be a common stocked item.



Shifter Bosses, Vertical Rear Dropouts, Brake Bridge, Seat Post Binder, 6AL-4V Bottom Bracket Shell, and all Cable Guides are CAD Designed and CNC Machined from Solid Titanium plate and bar.

Finish: Traditional Brushed, Polished

the Vortex



photo: Peter Brentlinger

Classic

The Litespeed Classic is a road frame that is as beautiful as it is functional. The Classic combines traditional European geometry with Litespeed's impeccable quality standards. Our craftsmen hand work each tube, braze-on, and dropout to create a masterful blending of style, strength, comfort, and versatility. In short, a classic.

The custom 3Al-2.5V tubeset provides the unique resilient yet solid ride that makes titanium the material of choice for the cyclist. The oversize front triangle maintains the rigidity needed to provide precise handling and control. The tapered/butted rear stays provide both lateral rigidity and vertical compliance for better climbing, acceleration, and comfort...

...that's the Classic.

Litespeed 3AL-2.5V
Custom Tapered/Butted
Titanium Tubeset

Sculpted Seattube Sized
For a 27.2mm Seat Post

External Cable Routing

Dual Water Bottle Mounts
With Titanium Fasteners

Braze-On Style
Front Derailleur Mount

Horizontal Rear Dropouts
with 130mm Spacing

6AL-4V Titanium,
68mm English Threaded
Bottom Bracket Shell With Vent

Size Center To Top	Top Tube Length	Head Tube Angle	Seat Tube Angle	Chain Stay Length	Wheel Base	Fork Rake	Stand Over Height	Bottom Bracket Height	Front Center Length	Head Tube Length	Weight
48cm	50.00cm	72°	75°	40.6cm	95.3cm	4.5cm	74.1cm	26.9cm	55.4cm	9.4cm	2.91 lbs
50cm	52.00cm	72.5°	75°	40.6cm	97.1cm	4.5cm	75.6cm	26.9cm	57.3cm	10.2cm	2.99 lbs.
52cm	53.00cm	73°	74.5°	40.6cm	97.2cm	4.5cm	77.1cm	26.9cm	57.4cm	9.8cm	3.13 lbs.
54cm	54.50cm	73°	74.5°	40.6cm	98.8cm	4.0cm	78.6cm	26.6cm	59.0cm	11.4cm	3.27 lbs
56cm	56.00cm	73.5°	74°	40.6cm	99.3cm	4.0cm	80.3cm	26.6cm	59.5cm	13.3cm	3.34 lbs
58cm	57.00cm	73.5°	73.5°	40.6cm	99.5cm	4.0cm	81.8cm	26.6cm	59.7cm	14.9cm	3.41 lbs
60cm	58.00cm	73.5°	73°	40.6cm	100.2cm	4.0cm	83.6cm	26.3cm	60.5cm	16.6cm	3.48 lbs
62cm	58.50cm	73.5°	73°	40.6cm	100.1cm	4.0cm	85.4cm	26.3cm	60.4cm	18.5cm	3.56 lbs



Shifter Bosses, Horizontal Rear Dropouts with adjustor screws, Brake Bridge, Seat Post Binder, 6AL-4V Bottom Bracket Shell, and Cable Guides are CAD Designed and CNC Machined from Litespeed spec'd solid titanium bar and plate.

Finishes: Traditional Brushed, Brilliant Polished

the Classic



photo: Peter Brentlinger

Catalyst

The Catalyst delivers state-of-the-art performance! Product tests read as though the writer just unsaddled from one of the most high performance rides they've ever experienced.

"...points easily and cuts a clean corner with a light nimble feel."

"The Catalyst's climbing manners are great,..."

"...the bike's ride quality encouraged me to descend faster,..."

"...it's (Litespeed's) reputation for quality work is safely upheld by the Catalyst."

-Bicycle Guide, Jan. '94

We could not have said it better ourselves. U.S. made aircraft quality materials, hand-crafted with strict attention to detail make the Litespeed Catalyst the best quality and value in road frames on the market today.

Seattube Sized for 27.2mm Seat Post

Custom CNC Machined Rear Brake Bridge

Titanium Shifter Bosses

Litespeed Custom 3AL-2.5V Aerospace Quality Titanium Tubeset

Dual Water Bottle Mounts

Lightweight CAD-designed CNC Machined Dropouts

Vertical Rear Dropouts with 130mm Spacing

6AL-4V Titanium 68mm Wide 1.375 x 24 NF Threaded Bottom Bracket Shell with Vent

Size Center To Top	Top Tube Length	Head Tube Angle	Seat Tube Angle	Chain Stay Length	Wheel Base	Fork Rake	Stand Over Height	Bottom Bracket Height	Front Center Length	Head Tube Length	Weight
49cm	51.00cm	72°	74°	40.6cm	95.4cm	4.5cm	74.3cm	26.9cm	55.7cm	8.6cm	2.90 lbs
51cm	52.50cm	72.5°	74°	40.6cm	96.6cm	4.5cm	75.8cm	26.9cm	56.9cm	8.9cm	3.02 lbs.
53cm	54.00cm	73°	74°	40.6cm	97.9cm	4.5cm	77.8cm	26.6cm	58.1cm	10.7cm	3.15 lbs.
55cm	55.50cm	73°	73°	40.6cm	97.7cm	4.0cm	79.1cm	26.6cm	58.0cm	11.9cm	3.28 lbs
57cm	56.50cm	73°	73°	40.6cm	98.6cm	4.0cm	81.1cm	26.6cm	58.9cm	13.8cm	3.31 lbs
59cm	58.00cm	73°	73°	40.6cm	99.9cm	4.0cm	82.6cm	26.3cm	60.4cm	15.7cm	3.35 lbs
61cm	58.25cm	73°	72.5°	40.6cm	99.8cm	4.0cm	84.4cm	26.3cm	60.3cm	17.5cm	3.44 lbs



1 - 1/4" clamp-on type front derailleur hanger

Finish: Natural Satin

the Catalyst

Tachyon

Victorious since day one, the Litespeed Tachyon's performance is unparalleled. From record-breaking bike splits in the Hawaiian Ironman to PR's on the club time trial course, the Tachyon delivers. The Tachyon has one design parameter – SPEED! To achieve this, however, requires a complex blend of aerodynamics, rider comfort and positioning, handling, and weight. The Tachyon uses forward seat tube angles to provide a comfortable and aerodynamic rider position. 650c (26 in.) wheels further serve to reduce drag. Litespeed's custom 3 AL-2.5V titanium tubeset insures that the Tachyon is both light and strong. The end result is a frame that is greater than the sum of its parts. The Litespeed Tachyon delivers smooth, precise performance at an incomparable value.



Shifter Bosses, Vertical Rear Dropouts, Brake Bridge, 6AL-4V Bottom Bracket Shell, and Cable Guides are CAD-Designed CNC Machined from Solid Titanium Bar and Plate.

Finish: Natural Satin

the Tachyon


photo: Peter Brentlinger

Size Center To Top	Top Tube Length	Head Tube Angle	Seat Tube Angle	Chain Stay Length	Wheel Base	Fork Rake	Stand Over Height	Bottom Bracket Height	Front Center Length	Head Tube Length	Weight
49cm	50.00cm	72°	78°	39.3cm	97.1cm	3.5cm	70.2cm	27.0cm	58.5cm	8.6cm	2.89 lbs
51cm	51.50cm	72.5°	78°	39.3cm	98.3cm	3.5cm	72.2cm	27.0cm	59.2cm	8.6cm	2.97 lbs.
53cm	54.25cm	73°	78°	39.3cm	100.7cm	3.5cm	74.2cm	27.0cm	61.6cm	10.5cm	3.12 lbs.
55cm	55.75cm	73.5°	78°	39.3cm	101.9cm	3.5cm	75.8cm	27.0cm	62.8cm	12.5cm	3.26 lbs
57cm	57.00cm	73.5°	77°	39.3cm	102.3cm	3.5cm	77.8cm	27.0cm	63.2cm	14.5cm	3.30 lbs
59cm	58.00cm	73.5°	76°	39.3cm	102.4cm	3.5cm	79.6cm	27.0cm	63.3cm	16.5cm	3.45 lbs



Finish: Traditional Brushed

the Blade

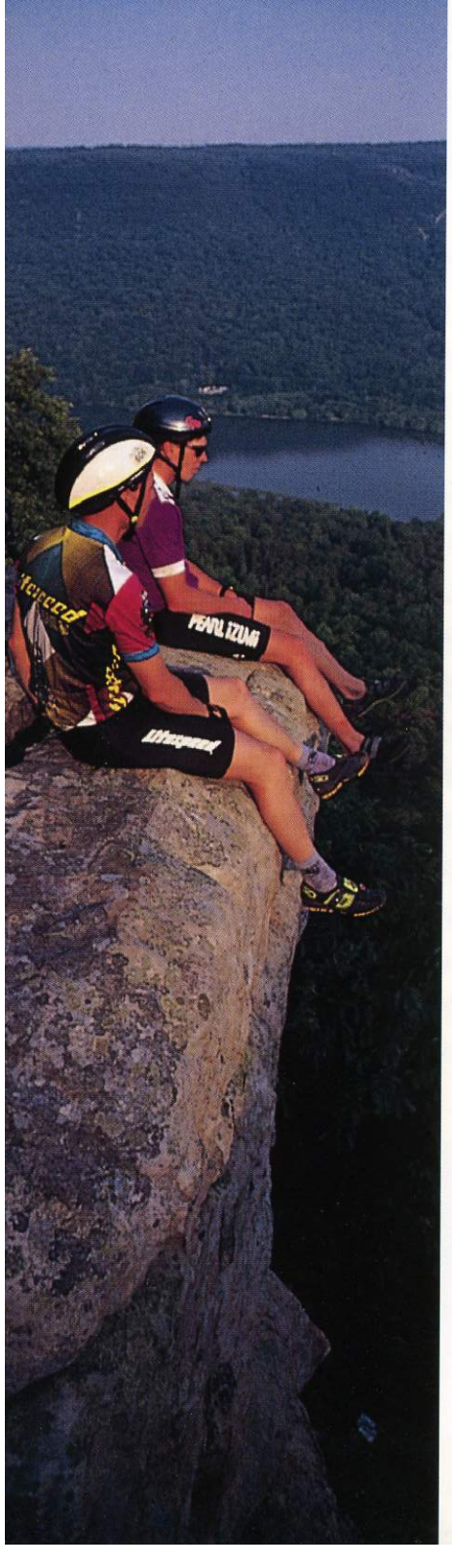
Blade

The Litespeed Blade is the result of 4 years of intense research and development. It's looks alone will tell you this is no ordinary bike. With a desire to build the supreme time trial/triathlon frame, we tossed aside all conventional methods of fabrication and normal titanium materials and began anew. The incredible strength of 6AL-4V titanium allows us to build a tubeset that is lighter and stronger than ever thought possible. But stronger and lighter alone wasn't good enough; this tubeset would have to possess aerodynamic properties far greater than standard round or oval tubes. 6-4 aero tubes combined with a 650c wheel design, makes the Litespeed Blade a no-compromise, state-of-the-art choice in high speed design.

Beautifully sculpted vertical dropouts virtually eliminate axle slippage



Size Center To Top	Top Tube Length	Head Tube Angle	Seat Tube Angle	Chain Stay Length	Wheel Base	Fork Rake	Stand Over Height	Bottom Bracket Height	Front Center Length	Head Tube Length	Weight
50cm	50.50cm	72°	78°	39.3cm	97.1cm	3.5cm	71.2cm	27.0cm	58.1cm	9.5cm	3.07 lbs
52cm	52.50cm	72.5°	78°	39.3cm	99.1cm	3.5cm	73.2cm	27.0cm	60.0cm	9.5cm	3.26 lbs
54cm	55.00cm	73°	78°	39.3cm	101.4cm	3.5cm	74.8cm	27.0cm	62.1cm	11.5cm	3.45 lbs
56cm	56.50cm	73.5°	78°	39.3cm	102.2cm	3.5cm	76.8cm	27.0cm	63.1cm	13.5cm	3.63 lbs
58cm	57.50cm	73.5°	77°	39.3cm	102.4cm	3.5cm	78.8cm	27.0cm	63.3cm	15.5cm	3.82 lbs



Tellico

The new Litespeed Tellico brings to mountainbiking a level of performance never before experienced. Litespeed's evolution of the remarkable 6AL-4V titanium tubeset allows our craftsmen to create a frame that has redefined the term "light weight". The incredible strength to weight ratio of this alloy insures that there is absolutely no sacrifice in durability. To guarantee precise performance, the Tellico borrows it's geometry from our race-proven, suspension specific Ocoee mountain frame. This aggressive design, combined with the ultra-light 6AL-4V tubeset, produces a frame that accelerates, climbs, and descends better than ever before thought possible.

Toptube Cable Routing with One-Piece Titanium Cable Guides

Litespeed 6AL-4V Custom Titanium Tubeset

Seattube For 27.2mm Seat Post

Dual Water Bottle Bosses with Titanium Fasteners

1-3/8" Clamp-On Top Pull Front Derailleur Mount

6AL-4V Titanium, 68mm English Threaded Bottom Bracket Shell

Verticle Rear Dropouts/ 135mm Rear Spacing

Size Center To Top	Top Tube Length	Head Tube Angle	Seat Tube Angle	Chain Stay Length	Wheel Base	Fork Rake	Stand Over Height	Bottom Bracket Height	Front Center Length	Head Tube Length	Weight
**12 in	21.25 in	71°	73°	16.75 in	39.8 in	1.6 in	25 in	11.75 in	23 in	4 in	2.75 lbs
**14.5 in	21.25 in	71°	73°	16.75 in	39.8 in	1.6 in	27 in	11.75 in	23 in	4 in	2.79 lbs.
16 in	21.75 in	71°	73°	16.75 in	40.2 in	1.6 in	28.1 in	11.75 in	23.5 in	4 in	2.84 lbs.
17 in	22.25 in	71.5°	72.5°	16.75 in	40.6 in	1.6 in	28.8 in	11.75 in	23.8 in	4.8 in	2.91 lbs
18 in	22.75 in	71.5°	72.5°	16.75 in	41.1 in	1.6 in	29.7 in	11.75 in	24.4 in	5 in	3.05 lbs
19 in	23.25 in	71.5°	72.5°	16.75 in	41.5 in	1.6 in	30.6 in	11.75 in	24.8 in	5.5 in	3.10 lbs
20 in	23.75 in	71.5°	72.5°	16.75 in	42.1 in	1.6 in	31.6 in	11.75 in	25.4 in	6.2 in	3.17 lbs
**21 in	24.25 in	71.5°	72°	16.75 in	42.4 in	1.6 in	32.3 in	11.75 in	25.7 in	6.5 in	3.22 lbs
**22 in	24.75 in	71.5°	72°	16.75 in	42.8 in	1.6 in	33.1 in	11.75 in	26.1 in	6.8 in	3.27 lbs

** Denotes custom frame size. "Custom" frames will not be a common stocked item.



Shifter Bosses, Vertical Rear Dropouts, Brake Bridge, Seat Post Binder, 6AL-4V Bottom Bracket Shell, and Cable Guides are CAD Designed and CNC Machined from Solid Titanium Bar and Plate

Finish: Traditional Brushed, Polished

the Tellico

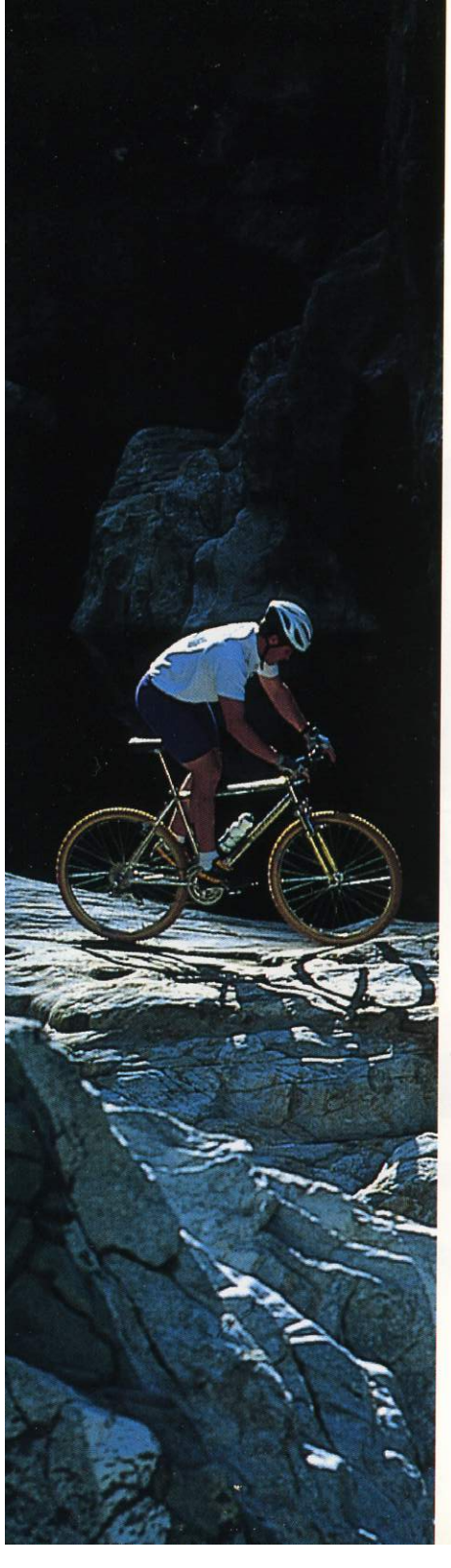


photo: Larry Prosor

Ocoee

The Ocoee River Gorge is an environment of power and emotion. Raging Currents, voracious rapids, climbs that test the mind's limits of pain, and singletrack descents that test your limits of fear. The Litespeed Ocoee reflects every drop of strength and passion pouring through the mighty river's canyon. Our premier mountain frame uses a custom 3AL-2.5V cold-worked, swaged, tapered/butted tubeset to keep things light and strong. The S-bend seatstays provide better braking modulation, while AsymmeTric™ chainstays yield excellent crank-arm and tire clearance and proper chain alignment. A suspension specific geometry never allows headtube angles to grow too steep or bottom bracket height to fall too low during front suspension compression. The Ocoee delivers no compromise quality and performance in a package that mirrors all the excitement of the river itself.

Toptube Cable Routing and One-Piece Titanium Cable Guides

1 - 1/8" Oversize Headtube

Litespeed Custom 3AL-2.5V Tapered/Butted Seamless Titanium Tubeset

Seattube Sized for 27.2mm Seat Post

Suspension Specific Geometry

Dual Water Bottle Mounts with Titanium Fasteners

S-bend Seatstays

Vertical Rear Dropoputs with 135 mm Spacing

6AL-4V Titanium, 68mm English Threaded Bottom Bracket Shell With Vent

AsymmeTric™ Chainstays

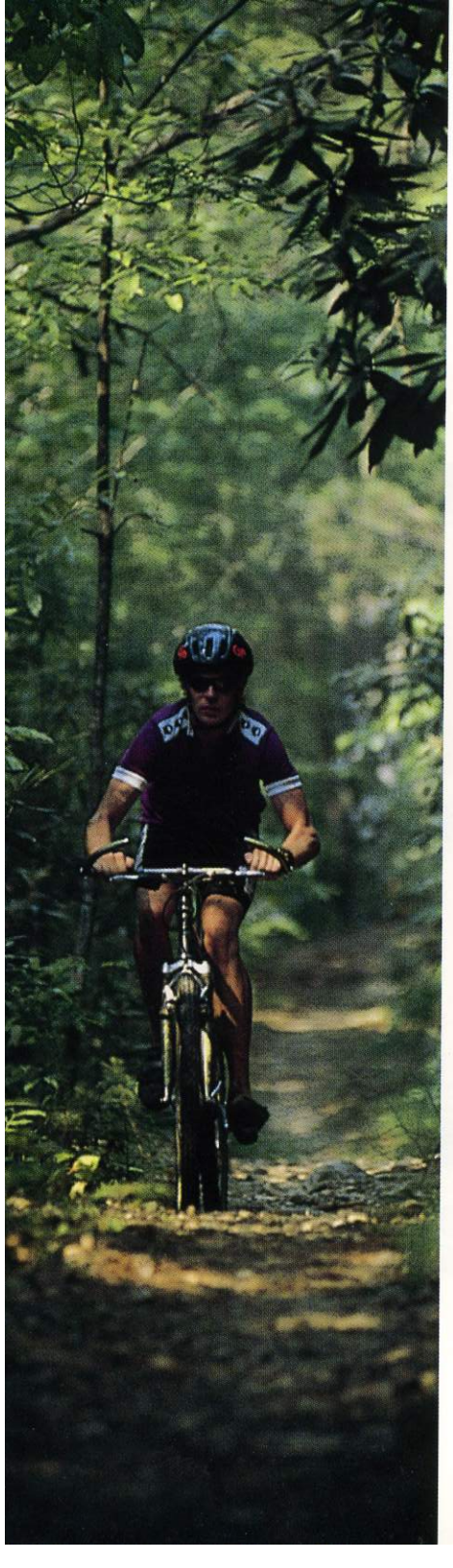
Size Center To Top	Top Tube Length	Head Tube Angle	Seat Tube Angle	Chain Stay Length	Wheel Base	Fork Rake	Stand Over Height	Bottom Bracket Height	Front Center Length	Head Tube Length	Weight
12 in	21.25 in	71°	73°	16.75 in	39.8 in	1.6 in	25 in	11.75 in	23 in	4 in	3.09 lbs
14.5 in	21.25 in	71°	73°	16.75 in	39.8 in	1.6 in	27 in	11.75 in	23 in	4 in	3.14 lbs.
16 in	21.75 in	71°	73°	16.75 in	40.2 in	1.6 in	28.1 in	11.75 in	23.5 in	4 in	3.24 lbs.
17 in	22.25 in	71.5°	72.5°	16.75 in	40.6 in	1.6 in	28.8 in	11.75 in	23.8 in	4.8 in	3.28 lbs
18 in	22.75 in	71.5°	72.5°	16.75 in	41.1 in	1.6 in	29.7 in	11.75 in	24.4 in	5 in	3.41 lbs
19 in	23.25 in	71.5°	72.5°	16.75 in	41.5 in	1.6 in	30.6 in	11.75 in	24.8 in	5.5 in	3.48 lbs
20 in	23.75 in	71.5°	72.5°	16.75 in	42.1 in	1.6 in	31.6 in	11.75 in	25.4 in	6.2 in	3.56 lbs
21 in	24.25 in	71.5°	72°	16.75 in	42.4 in	1.6 in	32.3 in	11.75 in	25.7 in	6.5 in	3.62 lbs.
22 in	24.75 in	71.5°	72°	16.75 in	42.8 in	1.6 in	33.1 in	11.75 in	26.1 in	6.8 in	3.68 lbs.



Ocoee

the Ocoee

Finishes: Traditional brushed or brilliant polished



Ocoee F/S

The Ocoee F/S is the future of mountainbiking. The technology of full suspension provides enhanced control, a smoother ride, and a greater margin of safety, thereby allowing the rider to achieve a level of performance that has remained unreachable until now. The Ocoee F/S gives all this and more. Litespeed's VARI-LINK™ system is a fully active, multi-pivot system which employs a complex and strategic array of technology. Each component has a distinct place and purpose with the frame layout.

The rear suspension utilizes a walking beam linkage which allows the seatstays to remain in a standard position. This eliminates any cantilever brake routing hassles. The rising rate aluminum linkage arms work in perfect harmony with the Fox Alps 4-R Air/Oil Damping Shock with 4-way rebound damping adjustments to provide a balanced front to rear dampening system. At the heart of all this is Litespeed's exclusive 6AL-4V bi-axially formed titanium downtube. This massive 2" diameter tube keeps the frame positively rigid, thus allowing the suspension components to function without messy frame flex.

"The Ocoee F/S loved ascending as much as it ate up the downhills."

"It's intelligently laid out and every detail is executed beautifully (not to mention executed out of titanium)."

-Mountain Bike Action, Aug. '94

Toptube Cable Routing with One-Piece Titanium Cable Guides

1 - 1/8" Oversize Headtube

Seattube Sized for 27.2mm Seat Post

VariLink™ Fully Active, Multi-pivot Suspension Technology with Low-maintenance Oil-lite Bronze Bushings At All Pivot Points

Litespeed Exclusive 6AL-2.5V Bi-axially Ovalized and 3AL-2.5V Tapered and Butted Titanium Custom Tubeset

6AL-4V Titanium, 68mm English Threaded Bottom Bracket Shell

Vertical Rear Dropouts with 135 mm Spacing

Suspension Specific Geometry with 3" of Progressive Rear Wheel Travel

Size Center To Top	Top Tube Length	Head Tube Angle	Seat Tube Angle	Chain Stay Length	Wheel Base	Fork Rake	Stand Over Height	Bottom Bracket Height	Front Center Length	Head Tube Length	Weight
15 in	21.75 in	71°	73°	16.75 in	40.2 in	1.6 in	28.8 in	12.00 in	23.6 in	5.2 in	4.95 lbs
17 in	22.25 in	71.5°	73°	16.75 in	40.8 in	1.6 in	29.5 in	12.00 in	24.2 in	5.2 in	5.12 lbs.
18 in	22.75 in	71.5°	72.5°	16.75 in	41.2 in	1.6 in	29.9 in	12.00 in	24.5 in	5.2 in	5.18 lbs.
19 in	23.25 in	71.5°	72.5°	16.75 in	41.8 in	1.6 in	30.9 in	12.00 in	25.1 in	5.5 in	5.25 lbs
21 in	24.25 in	71.5°	72.5°	16.75 in	42.9 in	1.6 in	32.6 in	12.00 in	26.2 in	6.5 in	5.32 lbs



Finish: Traditional Brushed

the Ocoee F/S



Obed

An American powerhouse; and without a doubt, the best value available in a titanium mountain bike. Feature for feature, the Obed delivers all the bells and whistles, plus the legendary quality and performance you've come to expect from Litespeed—and all at an amazingly low price. In addition to the oversized seamless 3AL-2.5V Ti tubeset, the Obed delivers suspension specific geometry, Litespeed AsymmeTric™ chainstays and S-Bend seatstays to maximize clearance in the rear triangle. Only LiteSpeed packs this much sizzle into a titanium frame.



the Obed



photo: Larry Prosor

Size Center To Top	Top Tube Length	Head Tube Angle	Seat Tube Angle	Chain Stay Length	Wheel Base	Fork Rake	Stand Over Height	Bottom Bracket Height	Front Center Length	Head Tube Length	Weight
12 in	21 in	71°	73°	16.75 in	39.6 in	1.6 in	24.8 in	11.75 in	22.8 in	4 in	3.03 lbs
14 in	21 in	71°	73°	16.75 in	39.6 in	1.6 in	26.4 in	11.75 in	22.8 in	4 in	3.08 lbs.
16.5 in	22 in	71.5°	72.5°	16.75 in	40.3 in	1.6 in	28.4 in	11.75 in	23.8 in	4.6 in	3.20 lbs.
18.5 in	23 in	71.5°	72.5°	16.75 in	41.3 in	1.6 in	30 in	11.75 in	24.7 in	5.3 in	3.34 lbs
19.5 in	23.5 in	71.5°	72.5°	16.75 in	41.8 in	1.6 in	30.8 in	11.75 in	25.2 in	5.7 in	3.38 lbs



Finish: Natural Satin

the Obed F/S

Obed F/S

Simple, yet sophisticated, the Obed F/S exceeds the demands of the most scrutinizing rider. Up front, is a suspension specific main triangle hand-crafted from oversize seamless 3AL-2.5V titanium. Attached to this beefy front, you'll find the innovative AMP RESEARCH aluminum rear suspension. The AMP rear end features a coil spring/oil damped shock, low frontal pivot, and the Horst Link rear pivot. The Obed F/S offers the strength and weight savings of titanium at a value better than most aluminum or steel full suspension bikes.

Size Center To Top	Top Tube Length	Head Tube Angle	Seat Tube Angle	Chain Stay Length	Wheel Base	Fork Rake	Stand Over Height	Bottom Bracket Height	Front Center Length	Head Tube Length	Weight
16.5 in	22 in	71.5°	73°	16.75 in	40.5 in	1.6 in	28.7 in	12 in	23.8 in	4.6 in	3.35 lbs
18.5 in	23 in	71.5°	72.5°	16.75 in	41.5 in	1.6 in	30.7 in	12 in	24.8 in	5.3 in	3.49 lbs
19.5 in	23.55 in	71.5°	72.5°	16.75 in	41.9in	1.6 in	31.5 in	12 in	25.3 in	5.7 in	3.53 lbs

Accessories

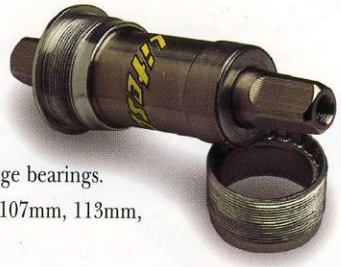
Litespeed Bar Tape

186,000 MPS - Why Not!
Manufactured exclusively from "Off The Front", this neoprene tape is machine tapered to a knife edge for a smooth, flat feel. No adhesives are required. fully washable and easy to re-apply.



Titanium Bottom Brackets

Litespeed Titanium cartridge type bottom brackets offers a 6AL-4V titanium spindle and sealed cartridge bearings.
Available spindle lengths: 103mm, 107mm, 113mm, and 118mm.
Threading: 1.375 x 24
Weight (average): 168 grams

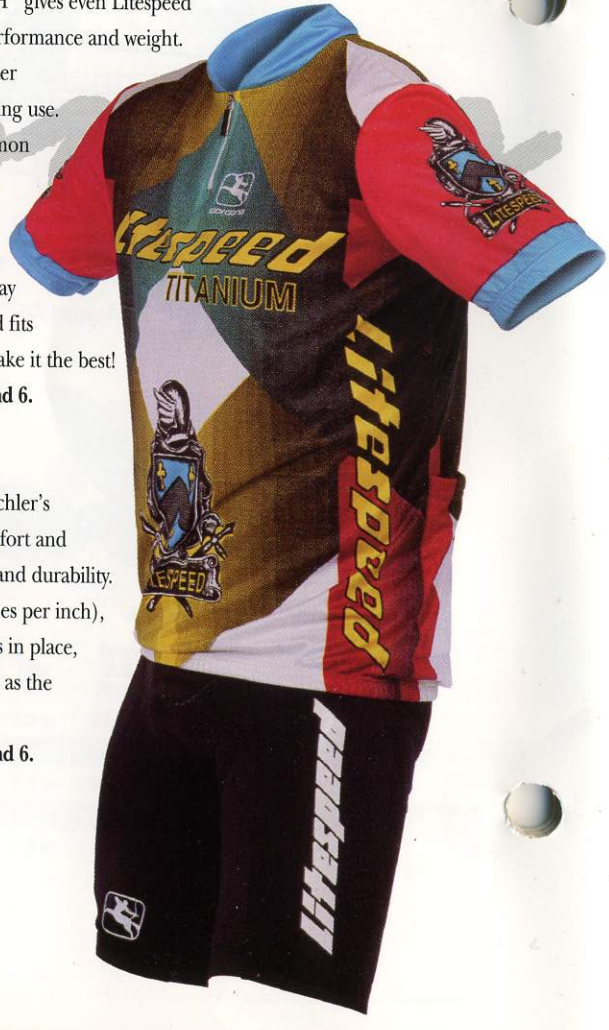


Litespeed Team Jersey

Exclusively from Giordana, LI-TECH™ gives even Litespeed jerseys, like our bikes an edge in performance and weight. LI-TECH™, 55% cotton-45% polyester blend is designed especially for cycling use. Nearly 20% lighter than more common materials. Unique interlocking knit places absorbent cotton threading next to your skin, while the outer layer of polyester draws moisture away to evaporate. Dryer, cooler, feels and fits better... Litespeed and Giordana make it the best!
Jersey available in sizes: 2, 3, 4, 5, and 6.

Litespeed Team Shorts

These high quality shorts feature Eschler's ANTIBACTERIAL™ inserts for comfort and Lycra®Spandex fabric for better fit and durability. With long-lasting seams (more stitches per inch), and leg grippers that keep the shorts in place, they are designed to function as well as the Litespeed bikes you ride!
Shorts available in sizes: 2, 3, 4, 5, and 6.





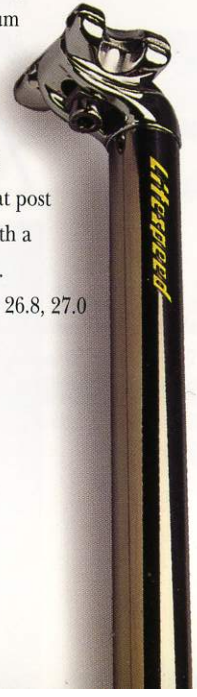
Titanium Stems

Believing that selecting exact stem geometry is paramount to properly sizing a performance bicycle, Litespeed offers both the traditional quill stem and extremely popular AheadSet™ style stem, for either road or off-road applications. 3/2.5 R-Certified titanium tubing with 6/4 bar clamp and pinch binder along with the AheadSet™ style's new internal binder bolt design showcase Litespeed's superior design and engineering. Quill style systems utilize an anodized 7000 series aluminum wedge.

AheadSet™ mountain style stem is available for 1-1/8" only with 5° rise, 120mm, 135mm, and 145mm reach. The quill style road stem is available with a -14° rise and 90mm, 100mm, 110mm, 120mm, and 130mm reach.

Titanium Seat Posts

Constructed from U.S. seamless 3AL-2.5V titanium tubing. Litespeed Titanium seat post delivers optimum performance in fit. serviceability, and comfort. This post comes with a forged aluminum head. Seat post length is 300mm, with a weight of 215 grams.
Available sizes: 27.2, 26.8, 27.0



Component Group Options for
Blade and Tachyon

Group A		Group B	
Part	**Description**	**Part**	**Description**
Headset	Dura Ace	Headset	Ultegra
Stem	Litespeed Titanium	Stem	Kalloy
Seatpost	Litespeed Titanium	Seatpost	Kalloy
Handlebar	Profile Hammer	Handlebar	Profile Hammer
Saddle	Flite Titanium	Saddle	Selle Italia Expedia
Rims	Sun 26"	Rims	Sun 26"
Spokes	Stainless Butted	Spokes	Butted with Alloy Nipples
Tires	IRC Paperlite	Tires	IRC Triathlon
Crankset	Dura Ace	Crankset	Shimano Ultegra
Bottom Brkt.	Dura Ace	Bottom Brkt.	Shimano
Rear Derailleur	Dura Ace 8-Speed	Rear Derailleur	Shimano Ultegra
Front Derailleur	Dura Ace	Front Derailleur	Shimano Ultegra
Shifters	Dura Ace STI 8-Speed	Shifters	Shimano STI levers
Hubs	Dura Ace Cassette	Hubs	Shimano Ultegra
Cogset	Dura Ace 1-2-3	Cogset	Ultegra 12-23
Brakes	Dura Ace Dual Pivot	Brakes	Ultegra
Chain	Dura Ace	Chain	Ultegra
Bar Tape	Litespeed Off-The-Front	Bar Tape	Litespeed Off-The-Front

Component Group Options for
Tellico, Ocoee, Ocoee F/S, Obed, and Obed F/S

Group A		Group B	
Part	**Description**	**Part**	**Description**
Headset	Ahead HS0202/DL Full Alloy	Headset	Ahead HS0207/ Steel/Alloy
Stem	Litespeed TI Ahead OS X 5°	Stem	Control Tech Alloy
Seatpost	Litespeed TI 27.2 x 300mm	Seatpost	Control Tech Alloy
Handlebar	Litespeed Titanium	Handlebar	Litespeed Alloy
Saddle	Flite TransAlp	Saddle	Selle Italia Expedia
Rims	Mavic 230 TIB	Rims	Sun CR-17A Silver
Spokes	Stainless 14/15 Butted	Spokes	Stainless 14/15 Butted
Tires	IRC Pirana Pro-K	Tires	IRC Geo Claw Lite
Crankset	XTR 175mm	Crankset	LX 175mm
Bottom Brkt.	XTR 107mm x 68	Bottom Brkt.	UN-71 107mm x 68
Rear Derailleur	XTR 8-Speed	Rear Derailleur	XT 8-Speed
Front Derailleur	XTR Top Pull	Front Derailleur	LX Top Pull
Shifters	Grip Shift X-Ray	Shifters	Grip Shift X-Ray
Hubs	XTR Front and Rear	Hubs	XT Paralax
Cogset	XTR 12-32	Cogset	XT 11-28
Brakes	XTR Cantilever	Brakes	LX Cantilever
Brake Levers	Dia Compe PC-11	Brake Levers	PC-7 Silver
Chain	XTR	Chain	XT
Bar Tape	Grip Shift Logo Grips	Bar Tape	Pedros Black Walls

Component Group Options for
Vortex, Ultimate, Classic, and Catalyst

Group A		Group B	
Part	**Description**	**Part**	**Description**
Headset	Dura Ace	Headset	Ultegra
Stem	Litespeed Titanium	Stem	Kalloy
Seatpost	Litespeed Titanium	Seatpost	Kalloy
Handlebar	Profile Hammer	Handlebar	Profile Hammer
Saddle	Flite Titanium	Saddle	Selle Italia Expedia
Rims	Mavic Open-4 CD	Rims	Sun M-13L
Spokes	Stainless Butted	Spokes	Butted with Alloy Nipples
Tires	IRC Paperlite	Tires	IRC Triathlon
Crankset	Dura Ace	Crankset	Shimano Ultegra
Bottom Brkt.	Dura Ace 103mm x 68	Bottom Brkt.	Shimano
Rear Derailleur	Dura Ace 8-Speed	Rear Derailleur	Shimano Ultegra
Front Derailleur	Dura Ace	Front Derailleur	Shimano Ultegra
Shifters	Dura Ace STI 8-Speed	Shifters	Shimano STI levers
Hubs	Dura Ace Cassette	Hubs	Shimano Ultegra
Cogset	Dura Ace 12-23	Cogset	Ultegra 12-23
Brakes	Dura Ace Dual Pivot	Brakes	Ultegra
Chain	Dura Ace	Chain	Ultegra
Bar Tape	Litespeed Off-The-Front	Bar Tape	Litespeed Off-The-Front

Component Groups and Forks

Available Forks

Road

Kinesis Alloy
Look Carbon
Kestrel Carbon
Rock Shox Paris/Roubaix

Mountain

Rock Shox MAG21
Rock Shox Judy X/C
Rock Shox Judy S/L
Manitou Four

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