Litespeed

TITANIUM

Litespeed®

The Perfect Balance of Stiffness and Damping

Litespeed utilizes Titanium 3AL-2.5V for the production of bicycle frames. This alloy permits the ideal balance of stiffness and damping so critical to high performance framesets. Litespeed frames maintain these ideal characteristics and still weigh up to 45% less than comparable steel frames.

Bicycle Guide Magazine Best of 1988

Who Rides Litespeed... Champions!

Colleen Cannon	*1988 USTS National Champion* *2nd, 1989 Phoenix Bud Light USTS* *2nd, 1989 Miami Bud Light USTS* *2nd, 1989 Atlanta Bud Light USTS*
Denise Mueller	*1988 Womens Junior National Champion*
Ray Browning	*1st, 1988 Japan Ironman*
Andy Pruitt	*1988 World Handicap Champion*
Janet Mammon	*1st, Kauia Luvs You Triathlon* *1st, Ventura Gold Coast Triathlon* *2nd, Japan Ironman*
Jan Ripple	*1st, 1989 Atlanta Bud Light USTS* *3rd, 1989 Americas Paradise Triathlon, St. Croix* *3rd, 1989 Phoenix Bud Light USTS* *3rd, 1989 Miami Bud Light USTS*
Andrew McNaughton	*1st, 1988 Orange County Performing Arts Triathlon* *6th, 1988 Bermuda International Triathlon* *8th, 1989 Nice, France International Triathlon*

Unmatched Durability

Titanium is impervious to corrosion. This anti-corrosive property, enhanced by a polished jewelry-like finish (Litespeed uses no paint or coating) combines with superior material strength to produce a bicycle that will maintain its beauty and performance forever.

Litespeed has thirty-five years of experience with Titanium fabrication. Litespeed engineers are master technicians in all aspects of titanium craftsmanship and fabrication. The same exacting standards used in aerospace production are applied to every Litespeed frame.

ROAD

The Litespeed frameset possesses well-balanced, uncompromised road geometry. Its ideal road feel accrues from a perfect balance of the elements of lightweight, liveliness and stiffness. This is possible only when the characteristics of titanium construction are combined with classic Italian frame design. The Litespeed provides instant response for climbing along with sling-shot acceleration in criteriums and triathlons. Yet it affords a smooth comfortable ride on rough roads and precise handling at high speeds.

MOUNTAIN

Litespeed has an upright and aggressive geometry. The longer front center gives descending stability without sacrificing single track maneuverability. Titanium's damping quality provides for an incredibly smooth and comfortable ride, while the tight geometry and lively tubing provide exceptional acceleration.

TITANIUM COMPONENTS

Litespeed titanium components provide the ultimate in weight savings on a bicycle without sacrificing strength. Extensive research and testing has gone into the development of the proper combination of alloys to achieve superior performance.

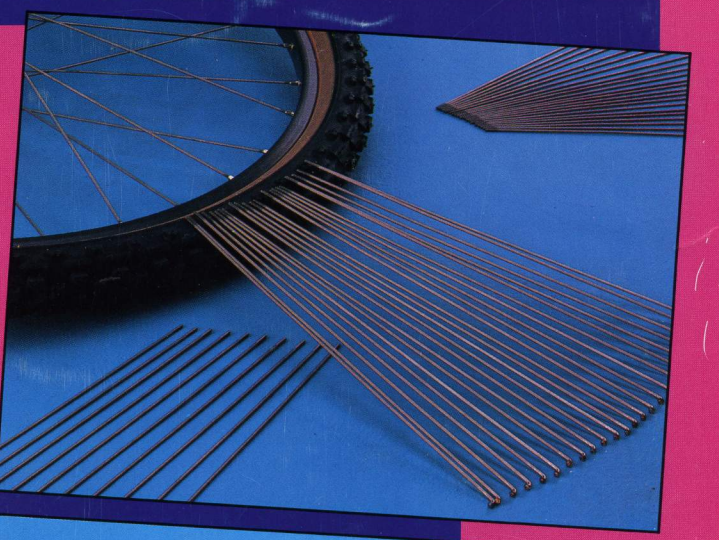
MOUNTAIN BIKE HANDLEBARS

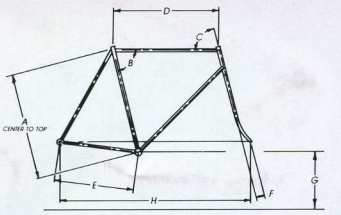
Titanium handlebars not only significantly reduce the weight of the bike but they absorb road shock with remarkable efficiency. The weight of the Litespeed handlebar is 175 grams. A complete steel bar weighs 400+ grams.

SPOKES

*The most critical area for the reduction of weight on the bicycle is in the rotating mass. Titanium spokes can reduce the weight of a pair of wheels by more than ½ pound.**

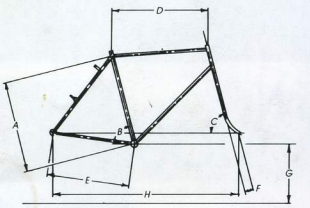
**The weight of 72, 14-gauge titanium spokes is 304 grams compared to 552 grams for the equivalent spoke in stainless steel.*





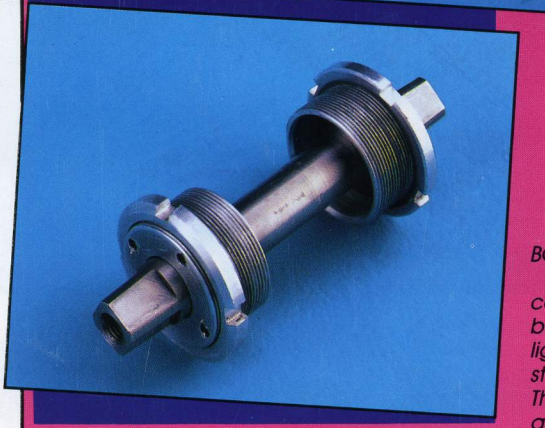
FRAME GEOMETRY

	A	B	C	D	E	F	G	H	
FRAME SIZE CM	SEAT TUBE LENGTH	SEAT TUBE ANGLE	HEAD TUBE ANGLE	TOP TUBE LENGTH	CHAIN STAY LENGTH	FORK OFFSET	BOTTOM BRACKET HEIGHT	WHEEL BASE	WEIGHT FRAME
52	52 cm	74°	73°	21"	16"	1-1/2"	10-5/8"	38-5/8"	2.81 lbs.
54	54 cm	74°	73°	21-1/2"	16"	1-1/2"	10-5/8"	38-3/4"	2.94 lbs.
56	56 cm	74°	73°	21-3/4"	16"	1-1/2"	10-5/8"	39"	3.00 lbs.
58	58 cm	74°	73°	22-1/8"	16"	1-1/2"	10-5/8"	39"	3.08 lbs.
60	60 cm	74°	73°	22-3/8"	16"	1-1/2"	10-5/8"	39-5/16"	3.10 lbs.
64	64 cm	74°	73°	23-1/4"	16"	1-1/2"	10-5/8"	40-1/8"	3.29 lbs.



MOUNTAIN BIKE FRAME GEOMETRY

	A	B	C	D	E	F	G	H	
FRAME SIZE IN	SEAT TUBE LENGTH	SEAT TUBE ANGLE	HEAD TUBE ANGLE	TOP TUBE LENGTH	CHAIN STAY OFFSET	FORK HEIGHT	B.B. BASE	WHEEL FRAME	WEIGHT
18	18"	73°	71°	21-5/16"	16-3/4"	1-3/4"	11-1/2"	40-1/2"	3.15 lbs.
19	19"	73°	71°	21-15/16"	16-29/32"	1-3/4"	11-1/2"	41-1/8"	3.2 lbs.
20	20"	73°	71°	22-1/4"	16-3/4"	1-3/4"	11-1/2"	41-5/16"	3.3 lbs.



BOTTOM BRACKETS

At 159 grams the complete Litespeed bottom bracket is lighter than most steel spindles alone. The titanium spindle is accompanied by two adjustable alloy cups with pressed in sealed bearing units. It's available for both mountain bike and road bike configurations.

TITANIUM COMPONENTS, INC.

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