Camena

LIGHTWEIGHT | BALANCED | NIMBLE

GEOMETRY BY Tom Kellogg

From conception to completion the Camena fully enhanced the bio-mechanical differences between the male and female anatomy. The lightweight frame provides a more balanced center of gravity for a woman that includes a responsive, nimble ride quality.

- Centered on a shorter top tube-creating a smaller cockpit space for a woman's body.
- Since women carry more of their power and weight in their hips, the Camena has been designed with longer chainstays to provide a more balanced center of gravity and responsive ride.
- On average women have longer femurs, Merlin addresses this with a more shallow seat tube angle giving optimum rider positioning.
- Merlin MTS standards are illustrated in that the Camena features a lighter tube set than a frame like the Cyrene. With power and center of gravity positioned differently on a female rider, the model specific MTS tube specs ensure that the bike provides both a smoother ride and less material where it is not needed.

Component Sets Available

Shimano Dura-Ace
Shimano Ultegra
Sram Force
Campagnolo Record
Chorus

Cyrene

SWIFT | AGILE | UNIQUE

GEOMETRY BY Tom Kellogg

MERLIN Cyrene

MTS 3/2.5 TITANIUM MADE IN THE USA

Simplicity and performance defines the Cyrene. Merlin MTS tubing with subtle engraving completes this unique all day, high performance road bike. Let this bike swiftly ascend you to the top of the climb only to feel it's agility on the twisty descents.

Component Sets Available

- Shimano Dura-Ace
- Shimano Ultegra
- Sram Force
- Campagnolo Record
- Chorus

Extralight

LIGHTWEIGHT | REFINED | FAST

GEOMETRY BY Tom Kellogg

MERLIN USA

MTS DOUBLE BUTTED 3/2.5 TITANIUM MADE IN THE USA

Merlin's flagship since 1992 the Extralight has set the standard on lightweight titanium road racing bicycles. The newly refined double butted, tapered and ovalized Merlin MTS size specific tube set further improves a very light, stiff, fast, strong and comfortable performance oriented ride.

Component Sets Available

- Shimano Dura-Ace
- Shimano Ultegra
- Sram Force
- Campagnolo Record
- Chorus

2006
Frame Geometry

MERLIN

Model	Size (cm)	Seat Tube Length (cm)	Top Tube Length (cm)	Head Tube Length (cm)	Head Tube Angle	Seat Tube Angle	Chainstay Length (cm)	Wheelbase (cm)	Standover Height (cm)	Front Center (cm)	BB Drop (cm)	Fork Rake (mm)	Frame Weight (grams)	Frame Weight (lbs)	Wheel Size
Cyrene	49	51	52	9.3	72.5	74.0	42.0	97.6	74.3	56.3	7.4	50.0	1305	2.87	700C
	51	53	53.5	10.5	72.5	74.0	41.5	98.9	75.7	57.2	7.2	50.0	1350	2.97	
	53	55	54.5	12	73.0	74.0	41.0	98.4	77.6	58.4	7.2	45.0	1375	3.03	
	55	57	55.5	13.5	73.0	73.5	41.0	98.3	79.4	58.3	7.2	45.0	1400	3.08	
	57	59	56.5	15.3	73.5	73.0	41.5	99.3	81.2	58.8	7.0	43.0	1440	3.17	
	59	61	57.5	17.2	73.5	72.5	41.5	99.0	83.1	59.0	7.0	43.0	1540	3.39	
	61	63	58.5	19.3	73.5	72.5	41.5	100.2	85.1	59.5	6.8	43.0	1630	3.59	
Extralight	49	51	52.1	9.2	72.5	74.0	41.6	96.7	74.5	56.2	7.3	45.0	1130	2.49	700C
	51	53	53.3	9	73.0	74.0	41.6	97.8	75.7	57.2	7.0	45.0	1170	2.58	
	53	55	54.5	11	73.0	74.0	41.0	98.4	77.6	58.4	7.0	45.0	1210	2.67	
	55	57	55.5	12.5	73.5	73.5	41.0	98.3	79.4	58.3	7.0	43.0	1250	2.75	
	57	59	56.5	14	73.5	73.0	41.0	98.8	81.2	58.8	7.0	43.0	1290	2.84	
	59	61	57.5	16	74.0	73.0	41.0	99.0	83.1	59.0	7.0	40.0	1335	2.94	
	61	63	58.5	18	74.0	72.5	41.6	100.2	85.1	59.5	6.7	40.0	1425	3.14	
Camena	XS	43.5	49.3	10	71.0	73.5	41.0	95.1	67.7	54.6	5.0	45.0	1300	2.86	650C
	S	45.5	51.5	13.5	71.5	73.5	41.0	97.0	70.3	56.6	5.0	45.0	1330	2.93	
	M	47.5	52.5	11.4	72.0	73.0	42.0	97.7	72.9	56.8	7.3	50.0	1340	2.95	700C
	L	49.5	54.5	14.5	73.0	73.0	42.0	98.3	75.6	57.4	7.3	45.0	1390	3.06	
	XL	52	55.5	16.5	73.0	73.0	42.0	99.3	77.7	58.4	7.3	45.0	1440	3.17	

Size specific tubing? What is it?

You will see this listed on some of our bikes. Size specific tubing is a method in which we ensure that the same ride quality that you have in a 55cm feels and works the same on a 47cm as well as a 63cm. With Merlin size specific tubing, each tube's wall thickness and diameter is selected to match the ride quality for the given frame size. This selection guarantees that the ride quality for a given bicycle will remain the same throughout the size range.

WORKS CR

TIGHT | PRECISE | EFFICIENT

GEOMETRY BY Tom Kellogg

MTS2 3/2.5 TITANIUM
MADE IN THE USA

The Works CR is simply the best riding race bike we have ever made. Using Tom Kellogg's refined geometry, the Works CR offers a torsionally rigid front end to ensure precise handling. The stout 1" chainstays give the solid drive train a stunningly efficient ride. In designing and building this bike we wanted to maximize the ride quality of titanium. The Optimum race tuned, manipulated Merlin MTS2 size specific titanium tube set is Rigid but comfortable, Fast and efficient.

Component Sets Available

- Shimano Dura-Ace
- Shimano Ultegra
- Sram Force
- Campagnolo Record
- Chorus

WORKS 4.0 ICT

PLUSH | PROVEN | DURABLE

WORKS MTS 3/2.5 TITANIUM MADE IN THE USA

ELLSWORTH ENERGY EFFICIENT SUSPENSION TECHNOLOGY ICT INSTANT CENTER TRACKING

The Works 4.0 is the culmination of intense research and testing to find the ultimate XC bike. Built around durable Merlin titanium MTS front triangle and matched with an ICT four bar link suspension system from Ellsworth are guaranteed a plush, proven ride quality. The Works 4.0 offers a performance partnership never seen in a titanium full suspension bicycle.

- The most energy-efficient suspension design in the world.
- ICT four-bar linkage technology provides up to 100% pedal power efficiency by aligning the instant center of the linkage of the chain torque line and continually tracking it throughout the range of travel.
- ICT allows pedal power to propel the rider forward without power loss, effectively avoiding the common suspension design flaw that divides pedal inputs into a wasteful combination of forward and vertical motions.
- The ICT-equipped 4.0 feature 12mm pivot axles and oversized bearings for superior pivot stability and lateral stiffness under power.

Component Sets Available

Shimano XT

Shimano XTR

WORKS XLM

LIGHT | QUICK | AGILE

The XLM is the definitive titanium hard tail racing bike. It boasts very light weight, but extremely quick acceleration due to the oversize tubing. The custom double butted MTS size specific titanium frame is the finest racing hard tail possible. Whether you are riding tight single track or open trail the XLM is perfectly balanced.

- Extralight Mountain.
- Designed for 80/100mm Fork.
- Merlins' original S-Bend chain stays (one of the most copied designs in cycling) provide solid power transfer.
- V-Brake option.

Component Sets Available

Shimano XT

Shimano XTR

2006
Frame Geometry

MERLIN

Model	Size (cm)	Seat Tube Length (cm)	Top Tube Length (cm)	Head Tube Length (cm)	Head Tube Angle	Seat Tube Angle	Chainstay Length (cm)	Wheelbase (cm)	Standover Height (cm)	Front Center (cm)	BB Drop (cm)	Fork Rake (mm)	Frame Weight (grams)	Frame Weight (lbs)	Wheel Size
Works CR	XS	46	53.3	11	72.5	74.0	41.5	98.5	71.7	58.1	7.2	50.0	1085	2.39	700C
	S	47.5	54.5	11	73.0	74.0	41.0	98.4	74.3	58.4	7.0	45.0	1115	2.46	
	M	49	55.5	12.5	73.5	73.5	41.0	98.3	75.0	58.3	7.0	43.0	1160	2.56	
	ML	51	56.5	14.4	73.5	73.0	41.0	98.8	75.7	58.8	7.0	43.0	1190	2.62	
	L	53	57.5	16	74.0	73.0	41.0	99.0	76.5	59.0	7.0	40.0	1275	2.81	
	XL	55	58.5	18.3	74.0	72.5	41.6	100.2	80.0	59.5	6.7	40.0	1365	3.01	

Model	Size/Seat Tube Length (in)	Top Tube Length (in)	Head Tube Length (in)	Head Tube Angle	Seat Tube Angle	Chainstay Length (in)	Wheelbase (in)	Standover Height (in)	.BB Drop (in)	Fork Rake (in)	Frame Weight (grams)	Frame Weight (lbs)
Works XLM	15.00	22.2	4.2	71	73.5	16.8	40.8	27.9	1.4	1.5	1230	2.71
	16.25	22.8	4.4	71	73.5	16.8	41.5	28.9	1.3	1.5	1375	3.03
	17.50	23.4	4.7	71	73.0	16.8	41.9	29.8	1.2	1.5	1400	3.08
	18.75	24	5.3	71	72.5	16.8	42.4	30.9	1.2	1.5	1545	3.40
	20.00	24.7	6.3	71.5	72.5	16.8	42.9	32.1	1.2	1.5	1570	3.46
Works 4.0	15.00	22	4	70.5	73	42.5	105.4	30.0	0.0	1.5	2375	5.23
	16.25	22.5	4	70.5	73	42.5	106.6	30.0	0.0	1.5	2392	5.27
	17.50	23	4	70.5	73	42.5	107.9	30.2	0.0	1.5	2442	5.38
	18.75	23.75	4.38	70.5	73	42.5	109.2	30.7	0.0	1.5	2497	5.50
	20.00	24.5	4.75	70.5	73	42.5	111.7	31.0	0.0	1.5	2560	5.64

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