

MERIN TITANIUM

Nothing Is Built Like A Merlin.

In the world of high-performance bicycles, the word is our 'Hantimo unperforms' everything else And among knowledgeable riders, the traintim name you'll hear most often is Merlin. That's because in the years since we created the first modern trainam frame in 1986, Merlin's research has led the way toward the ultimate bicycle familiare bicycle familiare

The Experts Agree.

The fact is, no one knows titanium as were the world choose Merlin. Including former U.S. Olympic coach Eddie B, who insists on Merlin frames for his Subaru Mongomery riders. And mountain bike champion John Tomac, who has demanded Merlin's expertise for his frames since 1989.

The critics seem to be impressed too: "Smoother than any steel bike I have ridden," says Bicycling magazine. "Incredibly smooth and surefooted," notes Bicycle Guide; "the Medin is magic." A ride like no other," affirms Moantain Bike Action.

The Way It Works.

Strong praise, but one ride on a Merlin and we think you'll agree—there really is nothing else like it

That's because there's nothing else quite like the trianhum alloy we use in our frame tubes. Our 3-2.5 alloy is made of 94.5% pure transum, 3% aluminum and 2.5% vanadium, resting an engineering material that is 40% lighter than chrome-moly steel, 50% more resilient, and 200% higher in faiteus tetrength.



Merlin's solded sent tobe tweet is precision reamed for effortless sent keight adjustment and pulities crip when tickened



Each hearing can be inbriested in seconds forwagh individual parts to praye both dirt and outer and reduce freetoned diag.



Our perticul drops: scheel changer. To throws off

In fact, titanium has the highest strengthto-weight rais of any frome material in current use, and it displays superb prisional properties at lower weights. So unlike steel or aluminum, titunium can deliver better flestfolity to absorb road shock, yet retain excellent torque resistance to counteract pedaling and cornering loads.

In addition, titanium does not corrode or rust, and it needs no paint. Its astonishingly high fatigue strength means that it will virtually never wear out. And it is almost impossible to dent or breakin normal use. Perhaps that's why Bicykling magazine called our frame "The ride of a lifetime"

Made By Hand.

Merlin tubing is custom-drawn to our exclusive specifications, which are rigorous enough to include certification for aerospace use. We build every frame by hand in our own factory, to the most meticulous standards in the bicycle industry (Mountain Bike Action simply says our frames have "the best welds in the world".

We also make our own brake bosses, shifter bosses, dropouts and cable stops from specially selected titanium alloys. Every frame is inspected after each stage of manufacture, and aliened on our bench. Following a final quality audit, we apply our unique satin-grey lifetime finish, which enhances the beauty of the metal and shows off the attistry of our welds. Soap and water are all you'll need to keep it looking like new.

Details Make The Difference.

Every Merlin frame comes complete with our WThSumTour Gresse Guard* bottom bracket. Incorporating one-piece cassette bearings and integral lip-seals, our system is not only lighter than conventional units, but it can be ubricated in seconds through individual grease ports. And our spindles are compatible with all popular cranksets.

We use an even stronger titanium alloy, called 6-4, in our dropouts, which are cut from solid plate that will not bendor break in normal use (our derailleur hanger is the strongest

one you can buy).

Finally, our seat clusters include a precision-reamed insert for perfect seatpost fit, while our seat binders are machined from a solid itianium bar to ensure lasting durability.

It all adds up to a bicycle that you really must try to appreciate. And so we invite you to visit your nearest Merlin dealer soon to see for yourself why so many cyclists agree: Nothing rides like a Merlin.



The bruke bridge is precisely mitered before stelding for a perfect fit. The center boos is machined from solid bar for rigidity.



All shifter bosses and cable guides are made from rust-feet high-strength titestum Deep remuts kold large auter bottler securely

roporati eremre fast, accurate i. Tongh 6-4 tituriren alley i off normal alrese.





"We're a team and it shows in our product."

Material Profile Carrie Champion 1906 page Majo Virono, 1900 Torr de Primp 1900 Solutes Deling Sense Chimpion Salarie Montgowey James

"Reliability means everything at 60 mph downhill."











"Equipment doesn't win races, but I like having an edge."

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"Nota single frame failure after two years of racing."

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"Uniform welds make it beautiful. Complete penetration makes it strong. I make sure you get both."

Emmer throw ester transager
that belt in the Know An
Combing and stopping, Mortin Metallowiks

"A frame this durable deserves a finish to match."



"When a bike's built right, you can feel the difference in the ride."









"We start with tubing, bar stock and plate. We finish with something that lasts forever."

Dies fechene Absorbit Microsor Production monegae, Marko McCalconka

"Lots of things make Merlins unique, but the most important ingredient is the people who put them together."

Guyadal kans Shairman Stroka Habida seka



Frame Size (contents content	X Small	Small	Medium	Large	Xtarge
Nominal size (be)	160	10.5	20.0	21.5	23.0
Head angle (degree)	70	70.5	71	71.5	72
Seat angle (degree)	73.5	73.5	73	72.5	72
Nominal top tube rist	20.5	22.0	23.0	23.75	24.5
Chainstay (in)	16.75	16.75	16.75 41.75	16.75	16.75
Wheelbase /m/	40.12				
Standover height /au	26.75	27.75	28.76	31.63	32.63
Bottom bracket beight (m)	11.5	11.6	118	11.9	11.9
Head tube length (6)	3.38	3.75	4.25	5.5	
Steerer length dist	5.0	5.5	60	7.0	6.0
Frame weight (peundo)	2.83	3.21	3.30	3.67	7.5
Ritchey Logic fork (\$ 75 in nobe)	1000		3.90	3.07	3.75

Features:

- 27.2-mm scatpost diameter
- . 1%-mch clamp-on front detailleur
- 132.5-mm rear axle spacing
- Top take cable rousing is available at extra cost
- Rear U-brake bosses are a no-cost option
- * Satin grey finish
- Grasse Guard** bottom bracket

- Optional first: Rinchey Logic
- Fork calor: Chromed Black Ice
- Note: frame weight does not
- include fork or bottom bracket.
- X Smalls do not have water bottle mounts on the seat tabe; brakes are mounted on the chainstaps
 - Standover height measured midway on the top tube
- For an approximate calculation of your correct frame size, measure your inseam in inches, creech to floor
- your inseam in inches, croch to fice in bare feet, and multiply by 59 percent. Your dealer can then help you fine-tune the fit.
- All models have sloping up tubes. "Nominal size" can be used for comparison to non-sloping frames.



Frame Size (center to top)	49 cm	51 cm	53 cm	55 cm	57 cm	59 cm	61 cm
Head angle (Agree)	72.5	73	73	73.5	73.5	74	74
Scat angle (degree)	74	74	74	73.5	73	73	72.5
Top tube (cm)	52.1	53.3	54.4	55.6	56.5	57.5	58.5
Chainstay (cw)	41.5	41.3	40.6	41.1	41.1	41.1	41.6
Wheebase (ew/	97.0	97.5	98.0	98.0	98.4	99.0	100.2
Standover height (cm)	73.7	75.6	77.5	79.4	813	83.2	85.1
Bottom bracket drop (cwl	7.3	7.0	7.0	7.0	7.0	7.0	6.7
Head tube length /cm/	6.6	8.6	10.8	12.3	13.7	15.5	18.1
Steener length (cm)	108	12.8	14.7	16.1	18.0	19.8	21.9
Fork rake (cm)*	5.0	4.5	4.5	4.0	4.0	4.0	4.0
Frameweight (pound)	2.74	286	2.97	3.06	3.39	3.61	3.90
*SR Prime fork							

Features:

- · Geometry by Tom Kellogg
- Geometry by 10m kettogg
 27.2-mm seatpost diameter
- . 1.25 inch clamp-on front destilleur
- 128 S or 130-mm rear axle spacing (default spacing is 128 5)
- Brake bridge center hole is 35.4 cm
- Rear brake cable guides are offset for direct routing
- Satin grey finish
- Grease Guard bottom bracket
- Optional fore: SR Prism
 Fork color: Hidrom blue
- Fork brake hole center: 35.6 cm Fork blade length: 37.0 cm
- Note: Frame weight does not include forker bottom bracket.

For an approximate calculation of your correct frame site, measure

your inseam in centineters, crotch to floor in bare feet, and multiply by 66 percent. Your dealer can then help you fine-rune the fit.



"It's the best bike in the world"



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