

Crisp Titanium

I HAVE ALWAYS WANTED A TITANIUM BIKE. THE BEST ONES COMBINE the top attributes from other materials: They feel lively like steel, but more connectthe top actioners income insertains. They een invery mee steen, our more connect-ed and reactive like aluminum, and, when made right, are just as quick with power transfer as carbon. And yet it, like steel, can also be comfortable all day. Best of all, trainium biles are durable as hell. They'll ride the same way on Day 1 as they will on Day 5,000, and if you get one that isn't painted, it can even be repolished after a decade of scratches. Dents? You're not going to chip a ti frame unless you crash very Which was what led me to Darren Crisp. The custom builder truts an intria

IKE REVIEWS

ing pedigree: He trained as an architect but chucked that life path to live and build bikes in Tuscany, and he had a business in Italy repairing other makers' frames before he ever built one under his own name. He also studied under Dario Pegoretti, a maestro of custom, with whom he shares a guiding philosophy: that a properly made custom bike can last a lifetime (hence Crisp's lifetime guarantee). Clinching al was Crisp's aesthetic; many ti-bike makers go for wispy sparenessbrute bulkiness. Crisp skates down the middle, hewing toward classic triangles but with oversize tubes and dropouts for strength, and he uses softening visual features like gently bent seatstays. He's also a good listener: When I explained the qualities I was after, he was open to my concerns and needs. I cor

notes about my desires, and ments: my dimensions standing, seated, on the bike, range of motion, and so on. When I had questions, Cris

patiently explained both his philosophy and my og tions—as well as the inevitable trade-offs. For example: Crisp said he couldn't build me the lightest ti frame out there. Lighter ti tends to feel whippy; fortunately, the heavier materials he uses would produce the stiff, fast bike I wanted. Crisp builds with oversized, 3Al/2.5V titanium tubes (34.9mm straightgauge tubing everywhere but on the down tube, which is even larger, at 40mm, and triple-butted), with milled and machined parts (dropouts, bottom bracket) in stiffer 6Al/4V. Speaking of which, Crisp we with Paragon Machine Works Breezer, style deversates

on this frame because the 50mm of welding s

76 Bicycling DECEMBER 2009

off material, especially with ti, you begin to lose those

torsional loads than shaped tubes. Some frame specifics: I have a sk upper spine, which makes my neck somewhat inflex upper spine, which makes my neck somewhat introv-ible. To counter this, Crisp made a tall, 15.5cm head tube. To keep the blke from feeling sluggish in turns as a result, he kept the head angle fairly standard (72.5 degrees) rather than slackening it, and because my lower back is fine, kept the top-tube length sufficier to both avoid that slacker head angle and consequer

DARREN CRISP HEWS TOWARD CLASSIC TRIANGLES WITH OVERSIZE BES AND DROPOUTS

too-long trail, which would also make steering feel repy. The rear triangle is made to feel both o ant, with S-bend seatstays, and reactive, with short

41mm ovalized chainstays. For the Crisp's maiden voyage, I rode the t A shop ride in the area: Flats drilled at 25 to 32 mph, two steep climbs good for 2,000 feet of elevation gain, and a grand total of 35 miles raced all-out. It aps not the most advisable get-to-know session. But through my gasps the Crisp quickly beme a trusted extension of my legs, butt and hands It rocketed ahead under sudden surges in speed, de scended tight bends instinctively and steered perat all, or where I was on the road. And with each subsequent ride the bond has grown, almost eerily so. I'm not sure what more I could want, which probably means this bike is nearly perfe for me.—Michael Frank

€2.900* 16.04 lb. (as tested; 1,720g fro

<mark>7 STEPS</mark> TO GETTING YOUR BIKE

S MANUFACTURE

 or a general description, be prepared to discuss options. This is a time to hink about possibilities for your bike, not close them off. Set up a fit consultaon either directly or electronically, or through a trained dealer. Make sure u understand the details of delivery and payment—including how firm the ated completion date is. (Delays are the m between custom frame builders and buvers.)

Make a deposit. This is often as much as half the total price 2. the frame. Find out if there are interim payments and when the final e will be due (upon completion or delivery), and again go over the tingencies for delays.

Get fitted. You'll need: a personal fit based on the builder's preferen-3. which range from detailed dynamic fitting sessions like Serotta's Size Cycle to simple three-measurement fits you can do at home. Also be prepared to supply your current bike's complete dimensions—make sure to measure accuoly, or pay a local bike shop to do this for you—as well as those of any bikes in the past you've particularly liked. Compile a list of likes and dislikes about how

Discuss the build. Review with the builder and what you want in your custom. Ponder the options: Do you want fender eyelets? Lots of tire clearance? What about paint? Be prepared to e-mail the builder examples or inspirations for graphics. Are you buying a complete blike or just a frameset? Fither way, consider what parts you'll use. You'll generally be asked to sign off on a final statement that sets out the geometry and other specifications for your bike. This is your last chance to ake changes without incurring an additional cost.

Wait. In most cases, you should be ab 5. builder for details of the construction. Some post updates or pict on their websites. Prepare anything you need on your end (parts, etc.) for completing the bike, or arrange to have a trusted shop complete co tion. Be patient.

6. Pay promptly. These people are not getting rich—or, in most cases, even middle-class—on what they make from built

7. that expresses your appreciation and, ideally, admiration.