Why is it this shape?

Frank Kirk, a gifted design engineer, started out to design the most energy-efficient and rigid frame possible. He used Computer Aided Design to achieve this without the constraints of having to use tubing. This non-conventional design is the result: the Kirk Precision frame consists of a set of I-beams and torsion members whose cross-sectional area varies according to the strength required at that point.

Why Magnesium?

The Aerospace industry has long known the advantages of magnesium: because it's the lightest structural metal, a frame made of it can be stronger and stiffer than a conventional frame of equivalent weight. Magnesium is very abundant: a cubic meter of sea-water contains enough magnesium to make one frame!

How is it made?

The magnesium alloy is pressure die-cast in a steel mould. The world's largest magnesium pressure die-casting machine has been built in England to make the Kirk Precision frame. Inserts are subsequently bonded in place to take the headset, bottom bracket, seat post and various other attachment points.

What is the quality like?

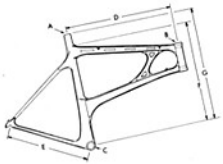
The precision of the high-pressure die-cast process gives consistent alignment and repeatable accuracy. No frame preparation is required - just assemble the bicycle!

How does it perform?

The high-tech design gives around double the stiffness of the best hand-built tubular frame. We compared stiffness by applying alternating 200 lb. vertical loads on the cranks to simulate a hard climb: the deflection at the seatpost was half that of a steel tube frame! Although the frame is so stiff, the use of magnesium still gives a smooth, comfortable ride. The frame has been proved in a number of races both in the U.S. and in Europe - it has been the choice of triathletes worldwide.

With varying handlebar stem and seatpost lengths, the frame will accommodate riders of heights between 5'8" and 6'2"

Specification



Dimensions:

A Seatpost: 27.2mm

B Headset: 26.4mm

C Bottom bracket: 1.37" x 24 English thread

D Distance between seatpost and headset 21.4" (54.3 cm)

E Length of rear fork: 17" (43.2 cm)

F Height to top member: 20.75" (53.7 cm)

G Center of crank to top of seatpost mast: 23.25" (59 cm)

H The frame is available in three styles:
Competition: 74 degrees parallel
Touring: 72.5 degrees parallel
Road Ranger: 72.5 degrees parallel

Frame is equipped with inserts for two water bottles (above and below lower frame member). The rear stays will take your 19" frame pump.

Color: Brilliant White

KIRK-PRECISION

Road Ranger



9 REASONS TO BUY A KIRK PRECISION

- **STIFFNESS**
  By design, at the bottom bracket it's twice as stiff as a steel frame. You'll really appreciate this if you're a strong rider.
- **PRECISION**
  Die-casting means that each frame is perfectly aligned. And it will stay that way, even after treatment that would ruin conventional frames.
- **PRICE**
  Thanks to our die-cast manufacturing process we can make frames for a fraction of the cost of composites. Why pay more?
- **SMOOTH RIDE**
  The resilience of magnesium, the lightest metal on earth, makes the Kirk Precision ride comfortably, even over the worst pavement.
- **STRENGTH**
  Thanks to computer aided design, the Kirk Precision is stronger than any other frame we have ever seen.
- **RACE PROVEN**
  Watch for the Kirk-sponsored riders competing in national Triathlons and in the Race Across America. They're a winning team!
- **DURABILITY**
  In the lab we turned the flex-test machine off after 750,000 miles! You win, Kirk!
- **THREE STYLES**
  Your choice of style, competition, touring or mountain/trail. One is perfect for you.
- **LIFETIME WARRANTY**
  It's simple. If you can manage to put the frame out of alignment, we'll replace it. Guaranteed.

1 REASON NOT TO BUY A KIRK PRECISION:

It attracts too much attention.

IT'S TOUGH!



DEALER: