

Trek Bicycle Brochure 1979



TREK

AMERICAN HANDBUILT FRAMESETS AND BICYCLES

TREK BICYCLES

As designer builders TREK has attempted to balance the traditional with the contemporary. Custom design with advanced engineering. Handcraftsmanship with precision machine tooling.

Our goal is simple: To produce a hand-built limited-production frame which, matched with the right components, will have the performance of a custom built bicycle. And to offer this at a price reflecting the advantages of production engineering and domestic American manufacture.

THE FRAME

The most important part of any bicycle. Carefully designed and built it should last a lifetime.

Our principal criterion in frame design is performance. This attention to func-

tion has resulted in two distinctive designs, each with its own combination of responsiveness and handling. In addition the critical dimensions of each TREK frame are unique to that particular size — the angles and length of every tube are coordinated with the length of the seat tube.

Tubing

Columbus, Reynolds 531, Ishiwata — the most prestigious names in bicycle tubing. TREK does not build with anything less. And every TREK is fully double-buttet. Each tube is thicker at the ends where stress concentrates, and thinner in the midsection. This taper increases both responsiveness and strength-to-weight ratio.

Superior tubing is complemented by TREK designed state-of-the-art fork crowns and dropouts incorporating innovative design and precision investment casting.

Mitering

Miter angle tolerances are maintained within one tenth of one degree accuracy. In every TREK frame there are a minimum of 20 miter cuts. The frame actually mitered as if it were lugless. This results in overall frameset rigidity unavailable in less carefully engineered bicycles.

Silver Brazing

In order to maintain the tensile strength of the tubing and the resulting high strength to weight ratio of our frames we specify Eutectic 1810 and/or 1801 silver brazing rod for every frame.

Finish

Prior to painting, TREK frames are dipped in a six-tank chemical cleaning and metal treatment system that provides a rust resistant surface and ensures adhesion of the finish. A minimum of 2 coats of DuPont Imron polyurethane enamel, over a thick coat of primer, provides a superb high-gloss finish which is extremely resistant to the special adverse conditions that bicycles encounter: extended exposure to sunlight, road salt, and chemicals found in lubricants or dissolved in rain water.

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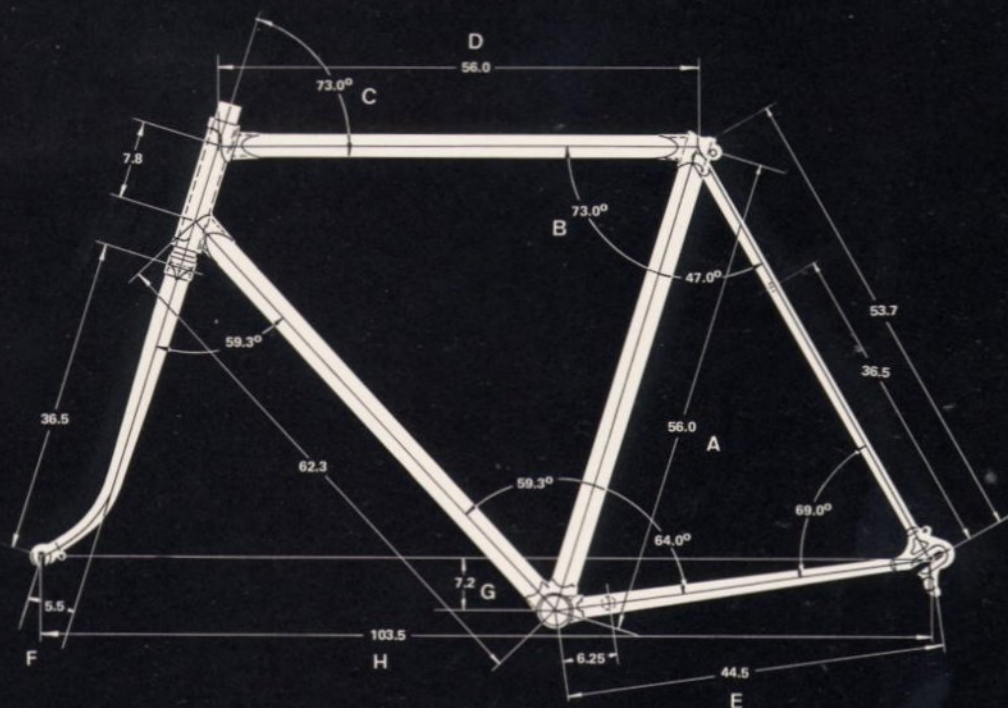
The TREK frame—technical information

Frame Models 510, 710, and 910

	A	B	C	D	E	F	G	H
19¼"	49cm	73°	71°	52.5cm	44.5cm	5.5cm	7.2cm	101.5cm
21"	52cm	73°	71.5°	54 cm	44.5cm	5.5cm	7.2cm	102.7cm
22½"	56cm	73°	73°	56 cm	44.5cm	5.5cm	7.2cm	103.5cm
24"	60cm	73°	73°	58 cm	44.5cm	5.5cm	7.2cm	105.5cm
25½"	64cm	73°	73°	60 cm	44.5cm	5.5cm	7.2cm	107.5cm

Frame Models 530, 730, and 930

	A	B	C	D	E	F	G	H
19¼"	49cm	73°	71°	52.5cm	41.5cm	5.5cm	7.2cm	98.5cm
21"	52cm	73°	71.5°	54 cm	41.5cm	4.5cm	7.7cm	98.7cm
22½"	56cm	73°	73°	56 cm	41.5cm	4.5cm	7.7cm	99.2cm
24"	60cm	73°	73°	58 cm	41.5cm	4.5cm	7.7cm	101.1cm
25½"	64cm	73°	73°	60 cm	41.5cm	4.5cm	7.7cm	103.1cm



Engineer's drawing of 22½" Model 510, 710, 910

Models 510 and 530

Tubing	Ishiwata 022 Chrome-Molybdenum double butted. Fork blades New Continental Oval.
Fork Crown	TREK Integral tang. Investment cast 4130 Chrome-Molybdenum.
Lugs	Nikko Sangyo seamless long point Italian cut.
Dropouts	Suntour GS-11 forged microadjust or TREK vertical investment cast 4130 Chrome-Molybdenum.
Brazing Rod	Main triangle and fork crown: Eutectic 1810/1801 low temp silver alloy. Front and rear dropouts: Eutectic low temp nickel/bronze alloy.

Models 710 and 730

Tubing	Reynolds 531 double butted. Fork blades New Continental Oval.
Fork Crown	TREK Integral tang. Investment cast 4130 Chrome-Molybdenum.
Lugs	Nikko Sangyo seamless long point Italian cut.
Dropouts	Campagnolo 1010 Record Road or TREK vertical investment cast 4130 Chrome-Molybdenum.
Brazing Rod	Main triangle and fork crown: Eutectic 1810/1801 low temp silver alloy. Front and rear dropouts: Eutectic low temp nickel/bronze alloy.

Models 910 and 930

Tubing	Columbus SL/SP double butted. SP sizes 24" and 25½". Fork blades New Continental Oval.
Fork Crown	TREK Integral tang. Investment cast 4130 Chrome-Molybdenum.
Lugs	Nikko Sangyo seamless long point Italian cut.
Dropouts	Campagnolo 1010 Record Road or TREK vertical investment cast 4130 Chrome-Molybdenum.
Brazing Rod	Main triangle and fork crown: Eutectic 1810/1801 low temp silver alloy. Front and rear dropouts: Eutectic low temp nickel/bronze alloy.

Mitering	See table above for tube length and angle variations. Individual tubes are mitered to specific angles with miter angle tolerance within one tenth of one degree accuracy.
Finish	Bare metal chemical treatment rust inhibitor: Oakite Crysoat® 187 Primer: DuPont 825 S Corlar® Epoxy Zinc Chromate Primer. Paint: DuPont Imron® Polyurethane Enamel.
Threading	Bottom Bracket: English 1.370" x 24 TPI BSC. Headset: English 1" x 24 TPI BSC.
Braze-ons	Standard: Downtube underside stop and chain stay low profile cable stop. Optional: Full range of custom braze-ons.

*TREK reserves the right to change specifications without notice.

SPECIFICATIONS

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Model	Frame	Comp. Group	Crankset	Derailleurs	Levers	Chain	Freewheel	Pedals	Brakes	Handlebar	Stem	Seatpost	Saddle	Wheels	Tires	Headset
512 712	Ishiwata 022 Reynolds 531	002	Sugino NJX1	Suntour VXGT and VX	Suntour PDLM downtube ratchet	Izumi Gold	Suntour Pro Compe 14-28	KKT top run alloy	Weinmann 500 black sidepull, racing levers with gum hoods	SR custom engraved alloy	SR allen key alloy	SR alloy	Elina pro	Shimano 600 small flange hubs, alloy rims	IRC high pressure	Micro adjust/option- Shimano 600EX
514 714 914	Ishiwata 022 Reynolds 531 Columbus SL/SP	004	Suntour VX	Suntour VXGT and VX	Suntour PDLM downtube ratchet	Shimano Uniglide	Suntour Pro Compe 14-28	KKT top run alloy, toe clips and straps	DiaCompe 500 sidepulls, racing levers with gum hoods	SR custom engraved alloy	SR Apex alloy	SR Laprade	Elina pro	Shimano 600 small flange hubs, 13mm alloy rims	IRC Roadlite narrow profile presta valve	Micro adjust/option- Shimano 600EX
536 736 936	Ishiwata 022 Reynolds 531 Columbus SL/SP	006	Shimano 600EX	Shimano 600EX	Shimano 600EX	Shimano Uniglide	Shimano 600EX 6 speed cassette Unibalance freehub	KKT top run alloy, toe clips and straps	Shimano 600EX	SR custom engraved alloy	SR Apex alloy	SR Laprade	Elina pro	Shimano 600EX hubs, 13mm alloy 700C rims	IRC Roadlite narrow profile presta valve 700C	Shimano 600EX
737 937	Reynolds 531 Columbus SL/SP	007	Campagnolo Gran Sport	Campagnolo Gran Sport front. Nuovo Record rear	Campagnolo Gran Sport	Regina Oro	Regina Oro	Campagnolo Gran Sport, toe clips and straps	Campagnolo Gran Sport	SR custom engraved alloy	SR Apex alloy	Campagnolo Gran Sport	Ucanitor 65	Campagnolo Gran Sport small flange hubs, 13mm alloy 700C rims	IRC Roadlite narrow profile presta valve 700C	Campagnolo Record
738 938	Reynolds 531 Columbus SL/SP	008	Campagnolo Nuovo Record	Campagnolo Nuovo Record	Campagnolo Nuovo Record	Regina Oro	Regina Oro	Campagnolo Record Road, toe clips and straps	Campagnolo Record	Cinelli 64 Road	Cinelli 1/A stem	Campagnolo Nuovo Record	Cinelli 65N Buffalo	Campagnolo Record small flange hubs. Super Champion Arc en Ciel rims	Clement 70 tubulars	Campagnolo Record

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