



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-butted. 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 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 is actually mitered as if it were lugless. This results in overall frameset rigidity unavailable in less carefully engineered bicycles.

Brazing

In order to maintain the tensile strength of the tubing and the resulting high strength-to-weight ratio of our frames we specify low temperature silver and/or nickel-bronze brazing rod for every frame.

Finish

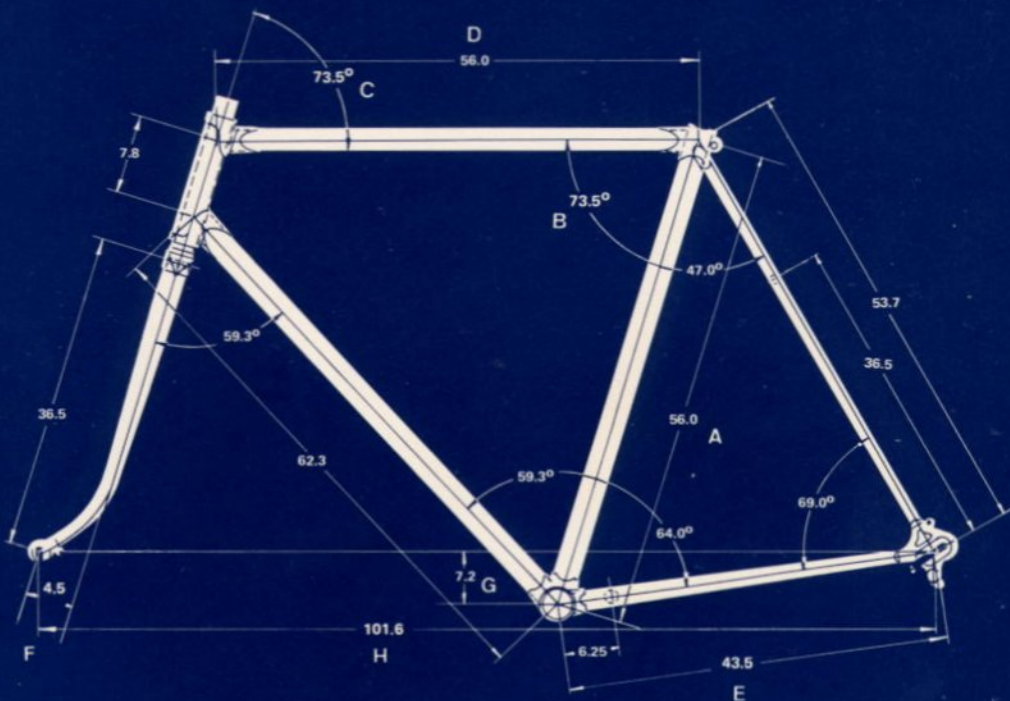
Prior to painting, TREK frames are dipped in a six-tank chemical cleaning and metal treatment system that provides a rust resistant surface and ensures adhesion of the finish. A minimum of 2 coats of DuPont Imron or Centari urethane enamel, over a thick coat of primer, provides a superb high-gloss finish 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

		A	B	C	D	E	F	G	H
Model 412, 610	21"	52.0cm	72°	73°	54.0cm	43.5cm	5.5cm	7.2cm	101.3cm
	22-1/2"	56.0cm	73°	73°	56.0cm	43.5cm	5.5cm	7.2cm	102.4cm
	24"	60.0cm	73°	73°	58.0cm	43.5cm	5.5cm	7.2cm	104.4cm
	25-1/2"	62.0cm	73°	73°	60.0cm	43.5cm	5.5cm	7.2cm	106.4cm
Model 510, 710	19"	47.0cm	76°	73°	53.0cm	43.5cm	4.5cm	7.2cm	100.9cm
	21"	52.0cm	73.5°	72.5°	54.5cm	43.5cm	4.5cm	7.2cm	101.5cm
	22-1/2"	56.0cm	73.5°	73.5°	56.0cm	43.5cm	4.5cm	7.2cm	101.6cm
	24"	60.0cm	73°	73.5°	57.5cm	43.5cm	4.5cm	7.2cm	102.8cm
Model 750, 950	21"	52.0cm	74.5°	73.5°	53.5cm	40.7cm	4.2cm	7.2cm	96.7cm
	22-1/2"	56.0cm	74°	74°	56.0cm	40.7cm	4.2cm	7.2cm	97.2cm
	24"	59.0cm	73.5°	74°	57.5cm	40.7cm	4.2cm	7.2cm	99.2cm
	25-1/2"	63.7cm	73.5°	74°	59.5cm	40.7cm	4.2cm	7.2cm	101.2cm



ENGINEER'S DRAWING (shown: 22-1/2" Model 510, 710)

FRAME SPECIFICATIONS

Tubing	412 Ishiwata 022 Chrome-Molybdenum double-butted main tubes. Ishiwata 0265 high-tensile forks and stays. 610 Reynolds 531 double-butted main tubes. Ishiwata 0265 high-tensile forks and stays. 510 Ishiwata 022 Chrome-Molybdenum double-butted throughout. 710 Reynolds 531 double-butted throughout. PRO Reynolds 531, Model 750. Columbus SL/SP, Model 950.
Fork Crown	Models 412, 610: Ishiwata CCL semi-sloping. Model 510: Ishiwata SCM 555 investment-cast. Model 710: Haden Europa investment-cast. PRO: Cinelli CC investment-cast.
Lugs	Nikko Sangyo seamless long point Italian cut lugs. Nikko Sangyo bottom bracket. PRO: Cinelli SCM bottom bracket.
Dropouts	Models 412, 610: Suntour GT forged. Models 510, 710: Shimano SF forged w/eyelets. PRO: Shimano UF semi-vertical.
Brazing Rod	Low-temperature silver alloy #B Ag7/nickel-bronze alloy.
Mitering	Specific miter angle tolerances within one-tenth of one degree accuracy.
Finish	Phosphate metal undercoating and rust inhibitor. Zinc-chromate primer. DuPont Imron®/Centari® catalyzed Urethane enamel.
Threading	Bottom bracket: English 1.370" x 24 TPI BSC. Headset: English 1" x 24 TPI BSC.
Sizes	19" (Models 510, 710 only), 21", 22-1/2", 24", 25-1/2"

TREK-reserves the right to change specifications without notice.

SPECIFICATIONS

Model	Frame	Crankset	Derailleurs	Freewheel	Brakes	Bar/Stem	Seatpost	Saddle	Pedals	Hubs	Rims	Tires
412	Ishiwata 022 Cro-Mo Main Tubes Double-Butted	SR Alloy SN5 DRG 40-52	Suntour VX-GT	Suntour Mighty-6 14-30	DiaCompe 500 Sidepull	SR Custom Alloy	SR Alloy	Avocet Condor	NEW SR Alloy Quill	Sunshine L-F Q.R.	Rigida Alloy 13-20 27"	Michelin Bib Sport
613	Reynolds 531 Double-Butted Main Tubes	SR Alloy SN5 DRG 40-52	Suntour VX-GT	Suntour Mighty-6 14-30	DiaCompe 500Q Sidepull	SR Custom Alloy	SR Alloy	Avocet Condor	NEW SR Alloy Quill	Sunshine Gyromaster L-F Q.R.	Rigida Alloy 13-20 27"	SBI Spec. Touring
614	Reynolds 531 Double-Butted Main Tubes	SR FORGED SAX 5RG 40-52	Suntour VX-GT	Suntour Mighty-6 14-30	DiaCompe 500G Sidepull	SR Custom Alloy	SR P5 Laprade	Avocet Condor	NEW SR Alloy Quill	Sunshine Gyromaster L-F Q.R.	Rigida Alloy 13-20 27"	SBI Spec. Touring
616	Reynolds 531 Double-Butted Main Tubes	Shimano 600 EX FORGED	Shimano 600 EX	Shimano 600 EX 13-28	Shimano 600 EX	SR Custom Alloy	SR P5 Laprade	Avocet Condor	NEW SR Alloy Quill	Shimano 600 EX L-F Q.R.	Rigida Alloy 13-20 700c	SBI Spec. Touring
515	Ishiwata 022 Double-Butted Chrome-Moly	SR FORGED SAX 5RG 40-52	Suntour VX-GT	Suntour Ultra-6 13-28	DiaCompe 500G Sidepull	SR ROYAL Forged	SR P5 Laprade	Avocet Touring I	NEW SR Alloy Quill	Shimano 600 L-F Q.R.	Rigida Alloy 13-20 700c	SBI Spec. Touring
516	Ishiwata 022 Double-Butted Chrome-Moly	Shimano 600 EX FORGED	Shimano 600 EX	Shimano 600 EX 13-28	Shimano 600 EX	SR Custom Alloy	SR P5 Laprade	Avocet Condor	NEW SR Alloy Quill	Shimano 600 EX L-F Q.R.	Rigida Alloy 13-20 700c	SBI Spec. Touring
715	Reynolds 531 Double-Butted	SR FORGED SAX 5RG 40-52	Suntour VX-GT	Suntour Ultra-6 13-28	DiaCompe 500G Sidepull	SR ROYAL Forged	SR P5 Laprade	Avocet Touring I	NEW SR Alloy Quill	Shimano 600 L-F Q.R.	Rigida Alloy 13-20 700c	SBI Spec. Touring
716	Reynolds 531 Double-Butted	Shimano 600 EX FORGED	Shimano 600 EX	Shimano 600 EX 13-28	Shimano 600 EX	SR Custom Alloy	SR P5 Laprade	Avocet Condor	NEW SR Alloy Quill	Shimano 600 EX L-F Q.R.	Rigida Alloy 13-20 700c	SBI Spec. Touring
719	Reynolds 531 Double-Butted	Dura-Ace EX 39-52	Dura-Ace EX	Dura-Ace EX 13-23	Dura-Ace EX 57	Cinelli/ Dura-Ace EX	Dura-Ace EX	Avocet Racing I	Dura-Ace EX DD	Dura-Ace EX	optional	optional
759/ 959 PRO	Reynolds 531 or Columbus SL-SP	Dura-Ace EX 39-52	Dura-Ace EX	Dura-Ace EX 13-23	Dura-Ace EX 57	Cinelli/ Dura-Ace EX	Dura-Ace EX	Avocet Racing I	Dura-Ace EX DD	Dura-Ace EX	optional	optional

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WATERLOO, WISCONSIN 53594