

Trek Bicycle Brochure 1980



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 sixty per cent silver brazing rod for every frame.

Finish

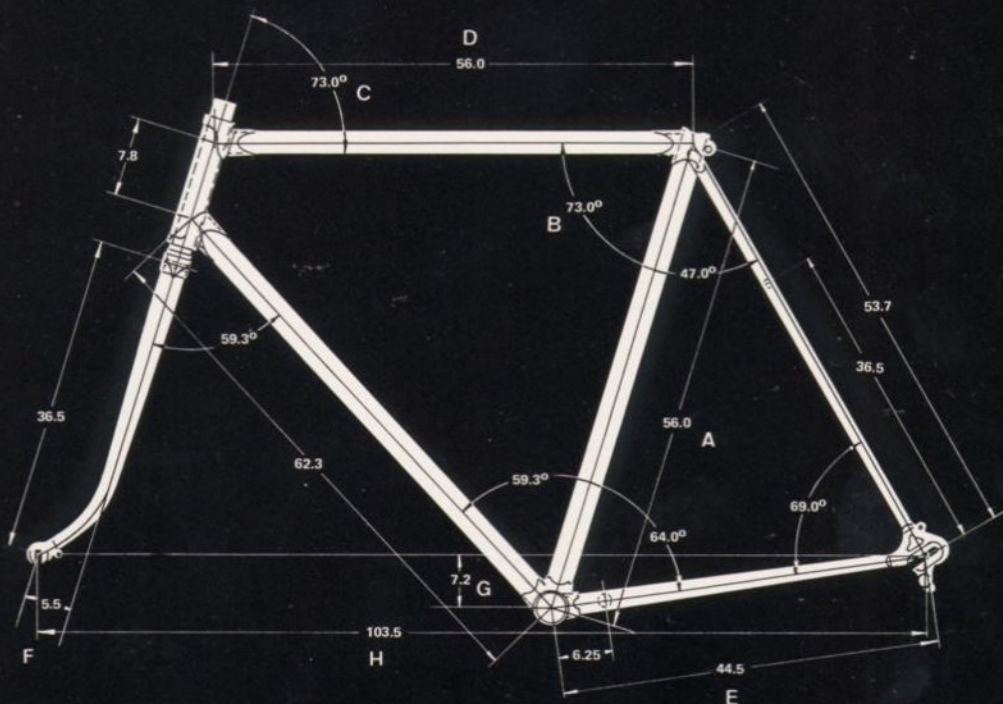
Prior to painting, TREK frames are dipped in a six-tank chemical cleaning and metal treatment system that provides a rust resistant surface and ensures adhesion of the finish. A minimum of 2 coats of DuPont Imron polyurethane enamel, over a thick coat of primer, provides a superb high-gloss finish which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

		A	B	C	D	E	F	G	H
Model 510, 710, 910 TOUR	19 3/4"	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
	22 1/2"	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
	25 1/2"	64cm	73°	73°	60 cm	44.5cm	5.5cm	7.2cm	107.5cm
Model 730, 930 ROAD	19 3/4"	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
	22 1/2"	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
	25 1/2"	64cm	73°	73°	60 cm	41.5cm	4.5cm	7.7cm	103.1cm
Model 412, 414 BICYCLES	21"	52cm	73°	72°	54 cm	44.5cm	5.5cm	7.2cm	102.3cm
	22 1/2"	56cm	73°	73°	56 cm	44.5cm	5.5cm	7.2cm	103.5cm
	24"	61cm	73°	73°	58 cm	44.5cm	5.5cm	7.2cm	105.5cm
	25 1/4"	63cm	73°	73°	60 cm	44.5cm	5.5cm	7.2cm	107.5cm



ENGINEER'S DRAWING (shown: 22-1/2" Model 510, 710, 910 TOUR)

FRAME SPECIFICATIONS

Tubing	910-930 Columbus SL (SP sizes 24 and 25-1/2) double-butted throughout. 710-730 Reynolds 531 double-butted throughout. 510 Ishiwata 022 Chrome-Molybdenum double-butted throughout. 412-414 Ishiwata 022 Chrome-Molybdenum double-butted main tubes. Ishiwata 0265 high-tensile forks and stays.
Fork Crown	TREK Integral tang. Investment-cast 4130 Chrome-Molybdenum. (Model 412-414 Ishiwata CCL semi-sloping.)
Lugs	Nikko Sangyo seamless long point Italian cut. (Model 412-414 Nikko Sangyo DH long point.)
Dropouts	Campagnolo 1010 Record Road w/eyelets. (Model 412-414 Suntour GT forged.)
Brazing Rod	Main triangle: Low temperature 60% silver alloy. Dropouts: Low temperature nickel/bronze alloy.
Mitering	Specific miter angle tolerances within one-tenth of one degree accuracy.
Finish	Phosphate metal undercoating and rust inhibitor. Polyurethane primer. DuPont Imron® Polyurethane Enamel.
Threading	Bottom bracket: English 1.370" x 24 TPI BSC. Headset: English 1" x 24 TPI BSC.
Sizes	19-3/4", 21", 22-1/2", 24", 25-1/2" (Model 412-414: 21", 22-1/2", 24", 25-1/2")

TREK reserves the right to change specifications without notice.

SPECIFICATIONS

	Comp. Group	Crankset	Derailleurs	Chain	Freewheel	Pedals	Brakes	Handlebar	Stem	Seatpost	Saddle	Hubs	Rims	Tires	Headset	Extras
SERIES 500, 700, 900	005	SR Forged SAX-5RG 40-52	Suntour VXGT	NEW Sedisport Narrow	Suntour Ultra-6 Winner 13-28	NEW SR Alloy quill	DiaCompe 500G sidepull	SR Custom alloy	SR Apex Forged	SR P5 Laprade	Avocet Racing I	Shimano 600	Rigida alloy 13-20 700c	SBI Spec. Tour Tire 700c x 28	NEW Tange Levin	Avocet Toe Clips/Straps
	006	Shimano 600 EX Forged 40-52	Shimano 600EX	NEW Sedisport Narrow	Shimano 600EX Cassette 13-28	NEW SR Alloy quill	Shimano 600EX	SR Custom alloy	SR Apex Forged	SR P5 Laprade	Avocet Racing I	Shimano 600 EX	Rigida alloy 13-20 700c	SBI Spec. Tour Tire 700c x 28	NEW Tange Levin	Avocet Toe Clips/Straps
	007	Campagnolo Gran Sport 42-52	Campagnolo GS front. Nuovo Record rear	Regina Oro	Regina Oro 13-23	Campagnolo Gran Sport	Campagnolo Gran Sport	SR Custom alloy	SR Apex Forged	Campagnolo Gran Sport	Avocet Racing I	Campagnolo Gran Sport	Rigida alloy 13-20 700c	SBI Spec. Tour Tire 700c x 28	NEW Tange Levin	Avocet Toe Clips/Straps
	008	Campagnolo Nuovo Record 42-52	Campagnolo Nuovo Record	Regina Oro	Regina Oro 13-23	Campagnolo Nuovo Record	Campagnolo Nuovo Record	Cinelli 64 Road	Cinelli I/A	Campagnolo Record	Avocet Racing I	Campagnolo Nuovo Record	Super Champion Arc en Ciel	Clement 70 tubulars	Campagnolo Record	Avocet Toe Clips/Straps
SERIES 400	412	SR alloy 5-pin 40-52	Suntour VXGT	NEW Sedisport Narrow	Suntour 6-speed 14-30	NEW SR Alloy quill	DiaCompe 500G sidepull	SR Custom alloy	SR Alloy	SR Alloy	Avocet Condor	Sunshine Gyro-Master low-flange QR	Rigida alloy 13-20 27"	SBI Spec. Tour Tire 27"x1-1/8"	TREK micro adjust	
	414	SR Forged SAX-5RG 40-52	Suntour VXGT	NEW Sedisport Narrow	Suntour 6-speed 14-30	NEW SR Alloy quill	DiaCompe 500G sidepull	SR Custom alloy	SR Alloy	SR P5 Laprade	Avocet Condor	Sunshine Gyro-Master low-flange QR	Rigida alloy 13-20 27"	SBI Spec. Tour Tire 27"x1-1/8"	TREK micro adjust	Avocet Toe Clips/Straps

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WATERLOO, WISCONSIN 53594

