

Trek Bicycle Brochure 1976



# TREK

AMERICAN HANDBUILT FRAMES



## TREK

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 very simple: to produce a handbuilt limited production frame of uncompromising quality. And to offer it at a fair price with the built in cost advantage of domestic American production.

## THE FRAME

Our principal criterion in frame design is performance. Easy stable riding characteristics for an all round light touring frame

or, for road racing, stiff and responsive with very little lateral flex, short wheelbase and reduced fork rake.

### 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 . . . simple observation of the inside bottom bracket alone will show double miter cuts on the down tube and seat tube and single miter cuts on the chain stays. We miter our tubing as if the frames were lugless.

### 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

To ensure adhesion of the final paint finish and to give added rust protection, the bare frames are dipped in a five-tank chemical cleaning and metal treatment system. This provides a uniform, chemically bonded, rust resistant finish prior to painting.

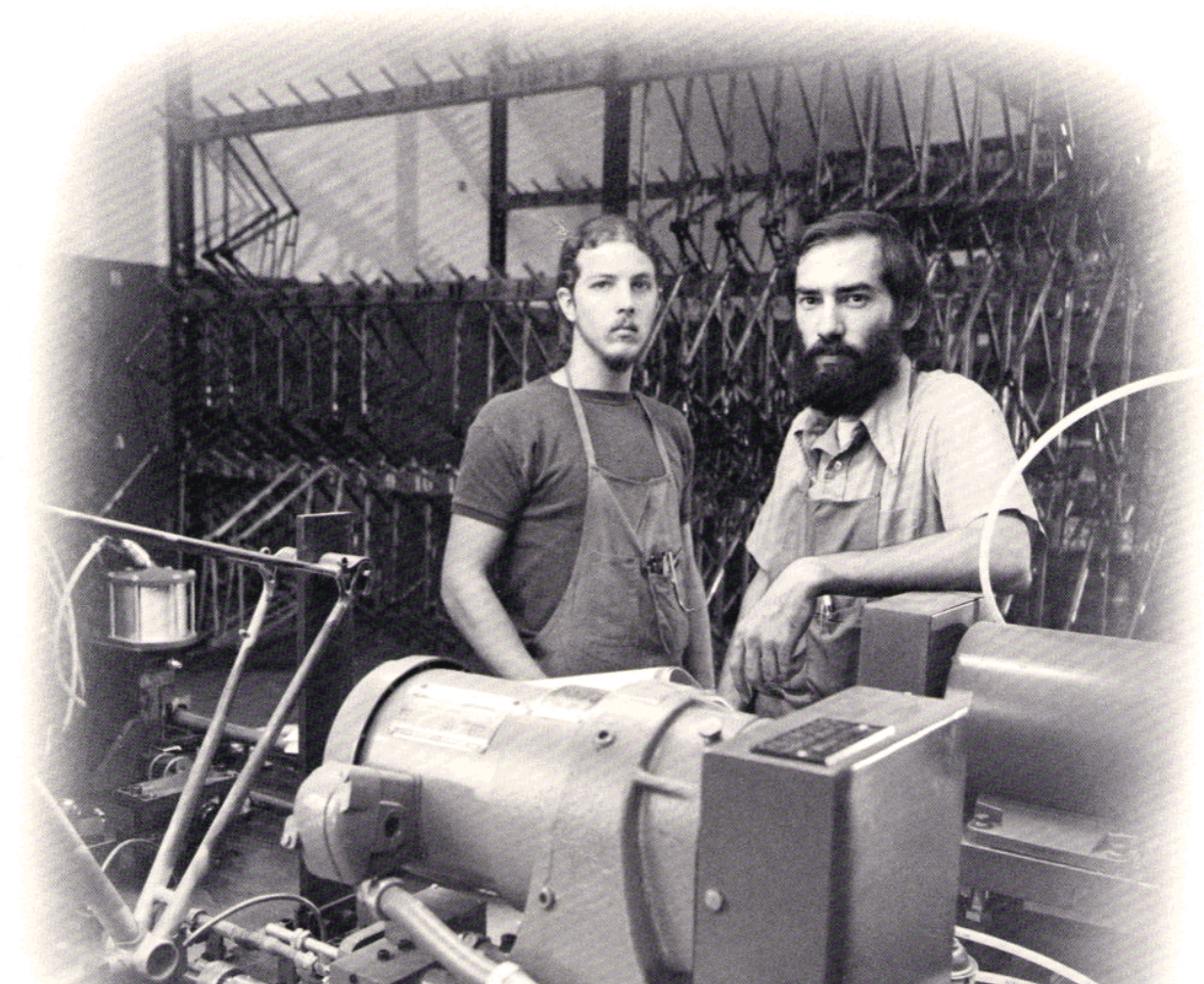
DuPont Imron® primer and a minimum of two coats of Imron® metallic polyurethane enamel provide a superb high gloss finish while remaining exceptionally resistant to the type of adverse conditions a bicycle rider might expect. Such as gravel projections, extended exposure to sunlight, road salt, and chemicals found in lubricants or dissolved in rain water.

### Unlimited Warranty

Every TREK frame (frame and fork) is covered by a full unlimited lifetime warranty for the original owner against defective materials and workmanship.

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## THE FRAME



# The TREK frame—technical information

## FRAME GEOMETRY (see blueprint)

	A	B	C	D	E	F	G	H
19¾"	49cm	73°	71°	53cm	44cm	5.5cm	6cm	102.1cm
21"	52cm	73°	71.5°	54cm	44cm	5.5cm	6cm	102.8cm
22½"	56cm	73°	73°	56cm	44cm	5.5cm	6cm	103.5cm
24"	60cm	73°	73°	58cm	44cm	5.5cm	6cm	105.5cm
25½"	64cm	73°	73°	60cm	44cm	5.5cm	6cm	107.5cm

NOTE: Model TX 900: Fork rake (F): 4.5cm  
Chain stay length (E): 42cm

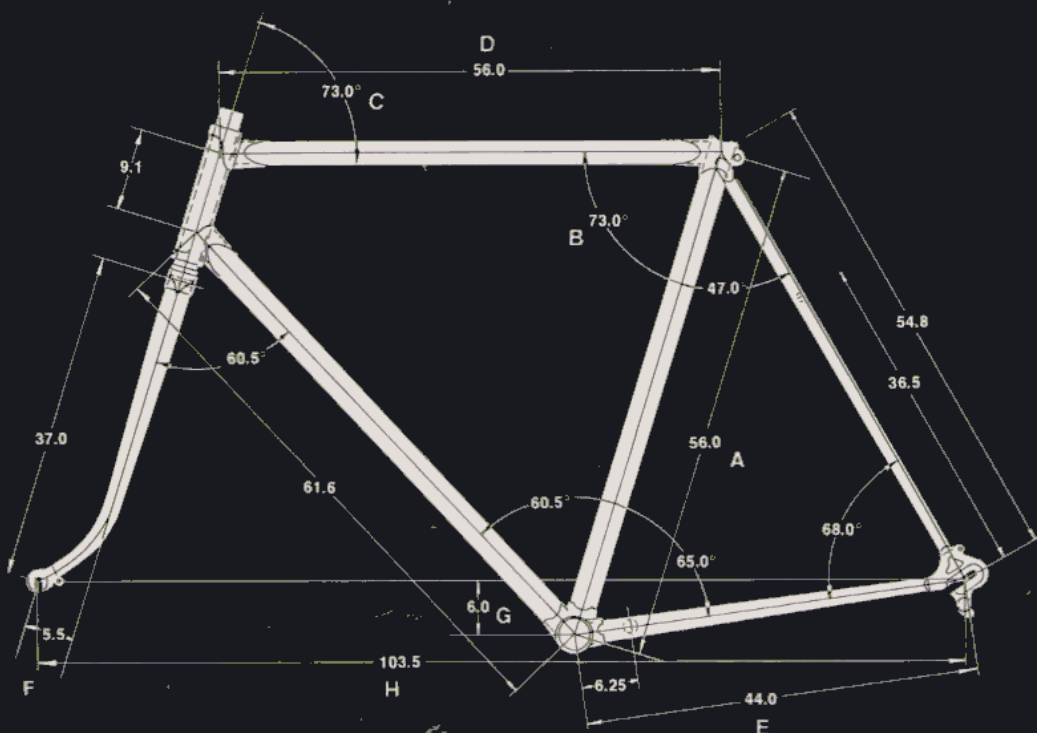
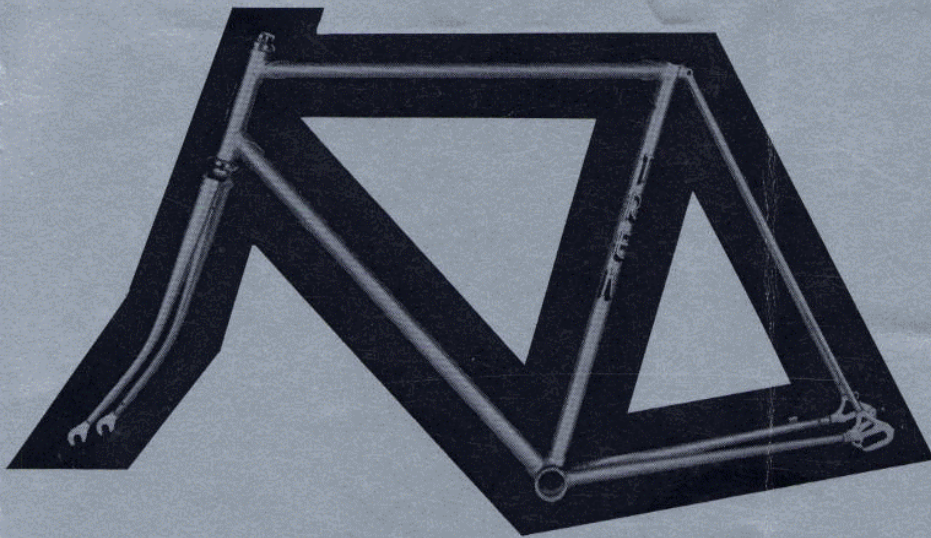


Figure 1 (illustration of 22½" frame—engineer's drawing)

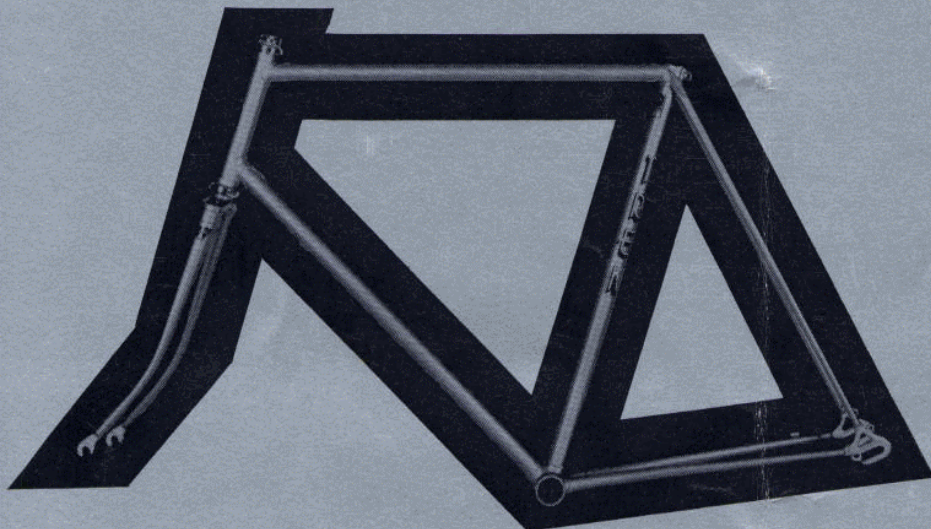
	TX300	TX500	TX700	TX900
Tubing	Ishiwata 0265 Hi Tensile. Double butted.	Ishiwata 022 Chrome Molybdenum. Double butted. Fork blades New Continental Oval.	Reynolds 531. Fork blades New Continental Oval.	Columbus SP/SL. SP exclusively on sizes 24" up. Fork blades New Continental Oval.
Fork Crown	Ishiwata cutaway diamond top.	Forged semisloping Cinelli type.	Haden Europa Investment cast.	Ishiwata SCM4 Investment cast, Chrome Molybdenum, with integral tangs.
Lugs and Bottom Bracket Shells	Nikko Sangyo seamless long point Italian cut.	Nikko Sangyo seamless long point Italian cut.	Nikko Sangyo seamless long point Italian cut.	Nikko Sangyo seamless long point Italian cut. Lugs and B/B are hand drilled. Seat lug is integral allen key fastback configuration.
Dropouts	Suntour GS-11 forged micro adjusting.	Suntour GS-11 forged micro adjusting.	Campagnolo 1010 Record Road.	Campagnolo 1010 Record Road.
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 and rust inhibitor: Oakite Cryscosol® 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.

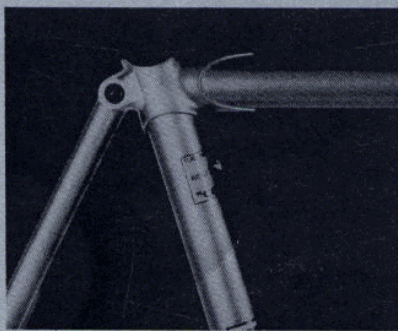




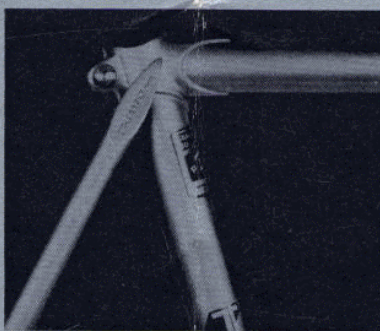
TX900 showing reduced wheelbase and integral allen key fastback.



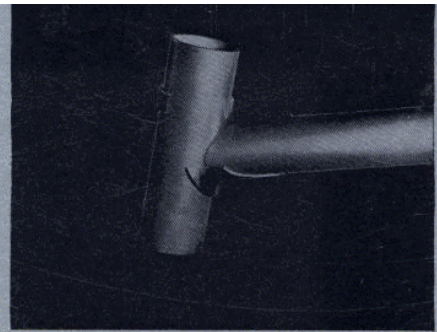
TX700 showing light touring configuration of Models TX300 - TX700.



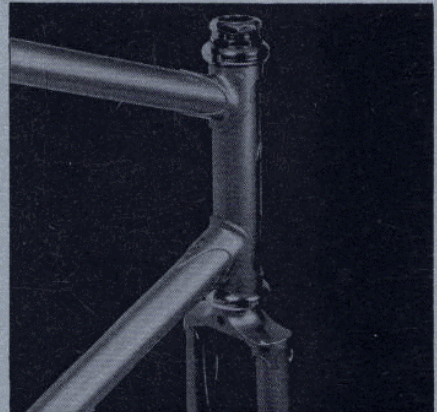
Fastback rear cluster with integral allen key on Model TX900.



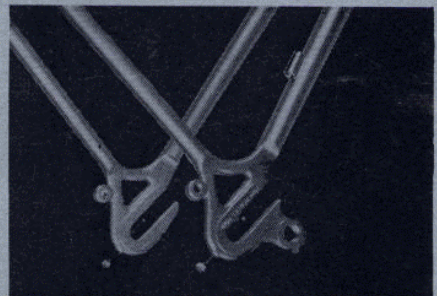
Stay cap wraparound seat cluster on Models TX300 - TX700.



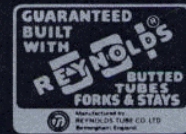
Head lug cutaway to show precision mitering.



Model TX900 showing drilled head lugs and investment cast crown with integral tangs.



Rear Campagnolo dropouts on Models TX700 and TX900. Note clean scalloped finish.



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WATERLOO, WISCONSIN 53594