



TELEDYNE TITAN

The Lightweight
Champion
of the World.

The bike frame you see below is one of the lightest bike frames in the world. The Teledyne Titan.

Instead of the usual 6 or 7 pounds, the Titan weighs less than 4 pounds. Or about 40% less than even the lightest steel frame.

The secret is all titanium-construction.

Now, that in itself is no great claim, because there are other bicycle frames made of titanium. The difference is in *how* we make the Titan.

First of all, you should know the Titan is made by Teledyne Linair, a company that knows titanium. We're not just a company that decided to make a titanium bike. We're a company that's been making aerospace components out of titanium

and steel for years. And it's this experience that makes the Titan better than any other titanium bike on the market.

You see, titanium is a unique metal. It's non-corrosive. And it absorbs physical shock, which means you get a more comfortable ride. Plus titanium is lighter and more resilient than steel. And it has a higher strength-to-weight ratio than steel. But titanium is still less rigid than steel. (An important factor to consider when you're designing a bicycle frame.) So when we set out to build the Titan, it took all our years of experience and our engineering skills to achieve the perfect balance between weight, strength, rigidity, and responsiveness.

That's why you'll find a tight rear triangle on the Titan.

Integral seat stay attachment reduces size of rear triangle and increases rigidity.

Titanium sleeve on seat tube adds strength and rigidity.

Vertical dropouts reduce size of wheel base to provide more rigidity.

Precision-formed dropouts.



the rear wheel is much closer to the seat tube because the rear dropouts are vertical, instead of horizontal. And the seat stay attachment is welded directly to the seat tube for more rigidity.

You'll also find the Titan top and down tubes are bigger in diameter than on most bikes. About 10% bigger. Which gives the Titan added integral strength.

Up front, you'll find a round track-style front fork. With one piece crown and formed drop-outs.

And if you could see down inside the tubes, you'd find titanium liners reinforcing the tubes at every major stress point on the frame. So, where there's extra stress, there's extra titanium.

It's not easy to make a bicycle frame this way. Every frame has to be built by hand. Then tested and retested exactly like we test components for all the big aerospace companies. But even after all this research and testing, we figured our Titan wasn't worth much unless it could win races. So we turned the Titan over to American Olympic-caliber riders for the toughest test of all. The grueling grind of international and world bike competition. Those test results speak for themselves: Four gold and four silver medals.

We invite you to test ride the Titan for yourself. You'll find the Titan is like nothing you've ever ridden before.

Simply because nothing like the Titan has ever been built before.

TELEDYNE TITAN

Larger diameter tubes provide more structural integrity.

Tube sections reduced to accommodate standard gear fittings, then reinforced with titanium liner.

One-piece precision formed fork crown with titanium stiffening liners for increased strength.

TELEDYNE TITAN WARRANTY

Teledyne TITAN frames, forks, and other components manufactured by Teledyne Linair are unconditionally guaranteed to be free from defects in material and workmanship, or Teledyne will replace or repair without cost, any Teledyne TITAN manufactured component which is determined by the factory to be defective, under the terms of this guarantee. Failure, loss, or damage due to accident, abuse, neglect, normal wear, or improper assembly or maintenance are not covered. In the event of defective frame or components, under the terms of this guarantee, see your Teledyne TITAN dealer for service or replacement. Dealers for the company's products are not authorized to assume obligations for the company.

Replacement of defective parts manufactured by Teledyne shall be the sole remedy of any purchaser under the Teledyne TITAN guarantee, and IN NO EVENT SHALL TELEDYNE BE LIABLE ON ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF AND EXCLUDE ALL OTHER WARRANTIES, EXPRESS OR IMPLIED.

Precision-formed dropouts.


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(Patents applied for.)



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FRAMES "TELEDYNE" CADRES

FRAME HOOGTE (midden BB tot boven Zadelbuis)	<u>21"</u>	<u>22"</u>	<u>23"</u>	<u>24"</u>
HAUTEUR DU CADRE (centre braquet-haut tube de selle)	533 mm.	558 mm.	584 mm.	609 mm.
<u>LENGTE BOVENBUIS</u>	546 mm.	553 mm.	556 mm.	569 mm.
Longueur Tube Supérieur				
<u>HOEKEN</u>	74°30/73°	74°30/74°	74°30/74°	74°30/75°
Angles				
<u>DOORHANG</u>	70 mm.	70 mm.	70 mm.	70 mm.
Descente du Braquet				
<u>WIELBASIS</u>	1.003 mm.	1.003 mm.	1.003 mm.	1.003 mm.
Empattement				
<u>VORKRAAK</u>	54 mm.	54 mm.	54 mm.	54 mm.
Flèche de la Fourche				
<u>LENGTE LIGGENDE ACHTERVORKEN</u>	406 mm.	406 mm.	406 mm.	406 mm.
Longueur des Bases				
<u>GEWICHT CA.</u>	1.631 kg.	1.676 kg.	1.721 kg.	1.767 kg.
Poids approx.				
<u>Ø ZADELPEN</u>	26,8 mm.			
Ø Tige de Selle				
<u>BRACKETBUS</u>	68 mm. met standaard engelse draad (BSA) (1.37" x 24 G.)			
Poïte de Braquet	68 mm. filetage standard anglais (BSA) (1.37" x 24 F.)			

ALLE WIJZIGINGEN VOORBEHOUDEN
Tous changements réservés

FRAMES "T E L E D Y N E" RAHMEN

FRAME SIZE

(middle BB to top Seat Tube)

RAHMENHOHE

(mitte Tretlager bis Oben Sattelrohr)

TOP TUBE

Oben Rchr

ANGLES

Winkel (Gradstellung)

HANGER DROP

Gehäuse Fall

WHEELBASE

Radabstand

FORK OFFSET

Gabellinie

CHAINSTAY LENGTH

Länge der u. Hinterbauten

APPROX. WEIGHT

Gewicht ca.

SEAT PILLAR

∅ Sattelstützen

BOTTOM BRACKET

Trettlagergehäuse

68 mm. with standard english threading

68 mm. mit BSA standard Gewinde

(1.37" x 24 T)

(1.37" x 24 G)

ALL MODIFICATIONS RESERVED

Alle Änderungen vorbehalten

	<u>21"</u>	<u>22"</u>	<u>23"</u>	<u>24"</u>
533 mm.	533 mm.	558 mm.	584 mm.	609 mm.
546 mm.	546 mm.	553 mm.	556 mm.	569 mm.
74°30/73°	74°30/73°	74°30/74°	74°30/74°	74°30/75°
70 mm.	70 mm.	70 mm.	70 mm.	70 mm.
1.003 mm.	1.003 mm.	1.003 mm.	1.003 mm.	1.003 mm.
54 mm.	54 mm.	54 mm.	54 mm.	54 mm.
406 mm.	406 mm.	406 mm.	406 mm.	406 mm.
1.631 kg.	1.631 kg.	1.676 kg.	1.721 kg.	1.767 kg.
26,8 mm.	26,8 mm.			