

1992



**DEFINING** *the mountain bike of the future*

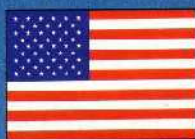
apinestars



**Elevated** **oversize** **system**<sup>TM</sup>



# A vision...



ALPINESTARS USA has always built products that ultimately express the passion and commitment of its people. The desire to produce the best is a challenge that renews with every new season, from product development through the evolution of each new bike. We design them to do anything you ask, to provide the adrenalin rush that allows you to do what you never thought possible. This has been our philosophy since the beginning and will always be our commitment.

Alpinestars has never compromised on anything. We don't expect you to compromise, either. We believe in your

Freedom of Choice: Titanium, Aluminum, Cro-Moly, Suspension, all designed to provide the highest performance with the attention to detail that is the foundation behind the winning history of Alpinestars.

Welcome to Alpinestars USA 1992.



Alpinestars ha sempre costruito dei prodotti che esprimono al massimo livello la passione e gli obiettivi delle persone che la compongono.

Il desiderio di produrre il meglio contiene una sfida che si rinnova ad ogni

stagione, dall'introduzione tecnica, alla messa a punto e successive evoluzioni di ogni nuova mountain bike. Noi le progettiamo per fare qualsiasi cosa chiediate loro, per darvi le scariche di adrenalina che vi portano a fare quello che non pensavate vi fosse possibile fare. Questa è stata la nostra filosofia fin dall'inizio e sarà sempre il nostro impegno.

Alpinestars non ha mai accettato nessun compromesso. E non ci aspettiamo che voi dobbiate accettarne. Crediamo nella vostra Libertà di Scelta: Titanio, Alluminio, Cromo-Molibdeno, Sospensioni, tutte disegnate per darvi le più alte prestazioni con l'attenzione ai particolari che è alla base della storia vincente di Alpinestars.

Benvenuti a Alpinestars USA 1992.



ALPINESTARS USA a toujours conçu des produits qui sont liés à la passion et à l'engagement de son équipe. Le désir de produire "the best" est un challenge renouvelé chaque saison du développement du produit jusqu'à l'évolution de chaque nouveau vélo. Nous les concevons tels que vous les demandez, ce qui vous pousse à accomplir des choses que vous n'auriez pas cru possibles. Ceci est notre philosophie depuis le départ et restera toujours notre engagement.

ALPINESTARS n'a jamais de compromis, sur rien. Nous n'attendons pas de





compromis de votre part non plus. Nous croyons dans votre liberté de choix: Titanium, Aluminium, Cro-Moly, Suspension, tous désignés afin d'obtenir la performance maximum, avec l'attention du détail, ce qui est la fondation même de l'histoire de la victoire d'ALPINESTARS.

Welcome a ALPINESTARS USA 1992!



ALPINESTARS USA hat schon immer Produkte hergestellt, die das leidenschaftliche Engagement und die Verbundenheit seiner Mitarbeiter vereinen. Es ist eine Herausforderung für

uns, in jeder Saison immer das Beste zu produzieren: Von der Produktentwicklung über die Test- und Entwicklungsphase bis hin zum neuen Bike.

Wir konstruieren unsere Bikes so, daß sie all Ihren Ansprüchen genügen. Sie sollen Ihnen den Adrenalin-Stoß verpassen, der nötig ist um Manöver zu fahren, von denen Sie bis heute gedacht haben, daß Sie schlichtweg nicht fahrbar waren.

Dies war und ist unsere Firmenphilosophie von Anfang an und daran wird sich auch in Zukunft nichts ändern.

ALPINESTARS geht keine Kompromisse ein - und erwartet dies auch von Ihnen! Wir bieten Ihnen eine tolle Palette und fordern Sie auf: Wählen Sie aus! Titanium, Aluminium, Cro-Moly, Federungen - großen Wert legen wir auf

die exzellenten Fahrleistungen unserer Bikes. Großes Augenmerk gilt dabei den einzelnen Details: Dies ist die Grundlage für die Erfolgsstory von ALPINESTARS.

Herzlich willkommen bei ALPINESTARS USA 1992.



ALPINESTARS USA siempre ha construido productos que expresan por encima de todo la pasión y dedicación de su gente. El deseo de producir lo mejor, es un reto que se renueva cada año, desde el desarrollo del producto hasta la evolución de cada bicicleta. Las diseñamos para que hagan cualquier

cosa que puedas pedir, para proveerte de la adrenalina que te permita hacer lo que pensabas que era imposible. Ha sido esta nuestra filosofía desde el principio y siempre será nuestra dedicación.

ALPINESTARS nunca ha escatimado esfuerzos en nada. Tampoco esperamos que tú lo hagas. Creemos en tu libertad de escoger: Titánio, Aluminio, Cro-Moly, Suspensión, todo diseñado para ofrecerte el más alto rendimiento con la atención a los más pequeños detalles que es la base del triunfo de ALPINESTARS.

Bienvenido a ALPINESTARS USA 1992.





# YOU CAN HIKE



~~Almega~~ XTR

**ALmeza XT**

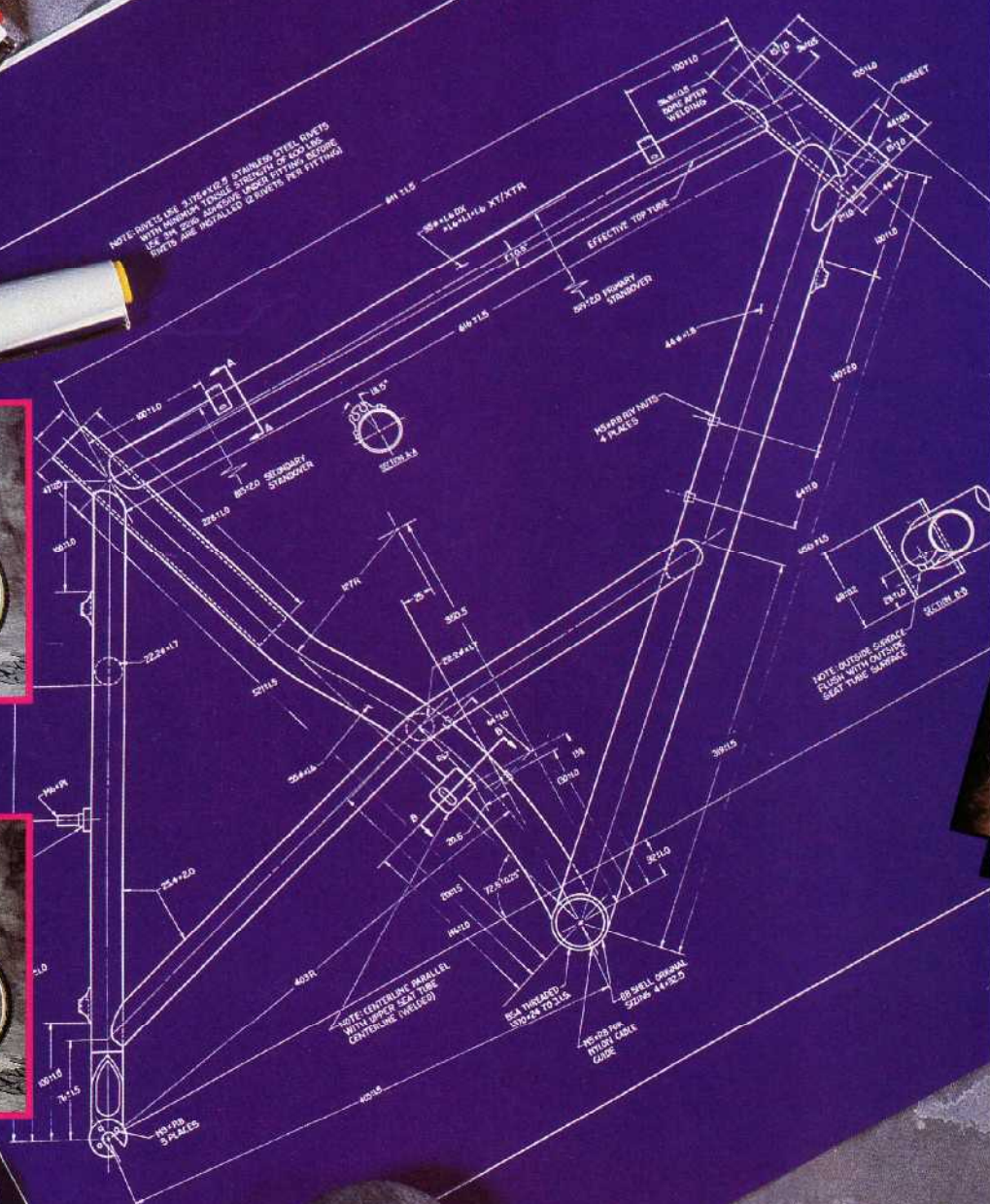
ALmeza DX



**CROMEGA DX**



**CROMEGA LX**

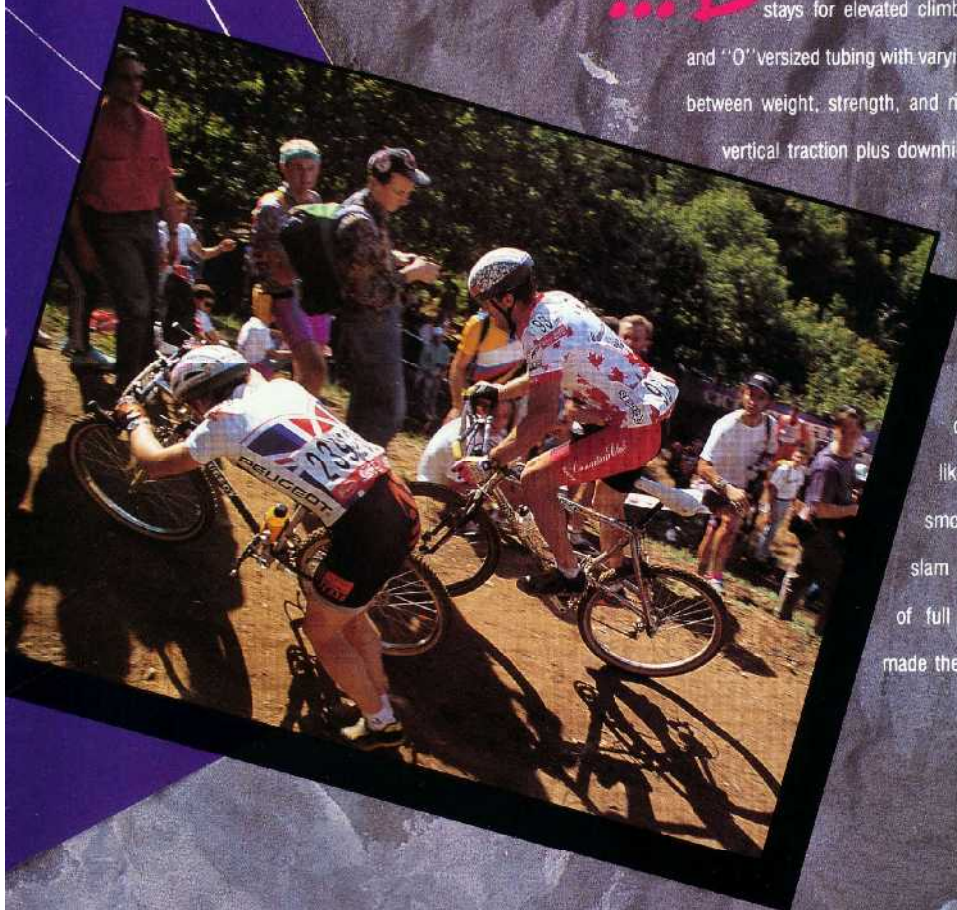




# OR BIKE... It's your choice.

## EOS is the difference...

... **B**etween being out in front or off the back. EOS is "E"levated chain-stays for elevated climbing power with increased tire/mud clearance and "O"versized tubing with varying internal wall thickness — the perfect balance between weight, strength, and rigidity. EOS is a total "S"ystem that delivers vertical traction plus downhill stability.



**A** belief in rider choice... and maximum performance. We take the performance advantage of EOS and offer you Freedom of Choice, whether you like/need the traditional feel of real steel, the smooth ride of new age aluminum, the technical slam dunk of titanium, or the radical cutting edge of full suspension. You make the choice, we've made the tool!

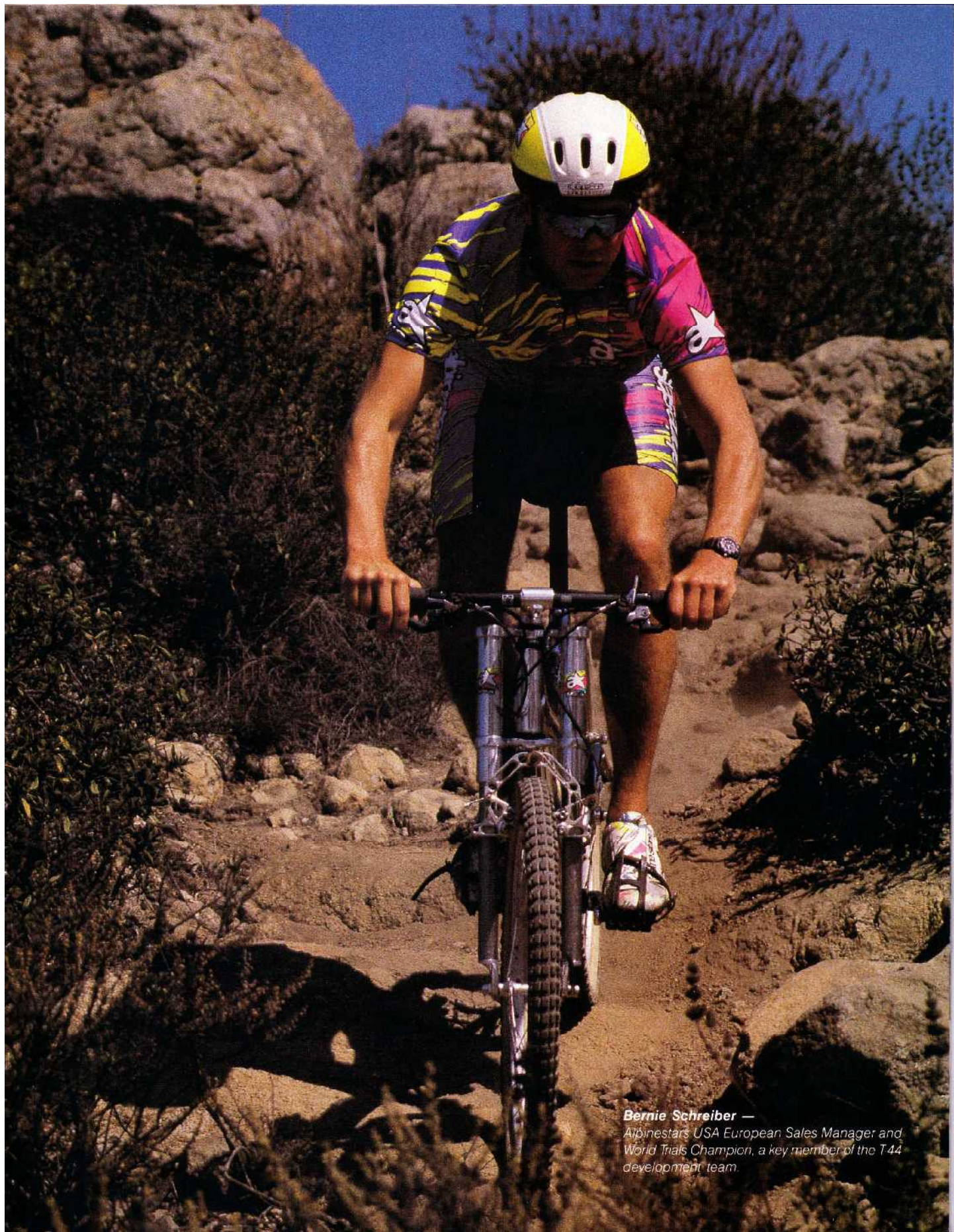


ALPINEcross DX



ALPINEcross LX





**Bernie Schreiber** —  
Alpinestars USA European Sales Manager and  
World Trials Champion, a key member of the T-44  
development team.



A key issue in mountain biking today is suspension, and the key issue in suspension is performance. Front and rear suspension working in unison is the most critical performance issue. One or two inches of travel just doesn't cut it when bar bending compressions and high speed stutter bumps are up ahead. That's why we produced the first mountain bike in the world with a full four inches of front and rear shock absorbing travel.

This breakthrough couldn't be achieved by traditional means. And the new T-44 is anything but traditional. The rigid upside down triple clamp fork with its own Alpinestars designed braking system provides the front wheel with four inches of progressive travel.

But front suspension is only half the equation when full suspension was our ultimate goal. Our futuristic T-Bike frame uses a radically designed swingarm that allows the rear wheel the same full four inches of progressive travel, while delivering the rigidity and strength that rear suspension demands.

The radically new T-44 represents the cutting edge of full suspension systems. It's new, it's radical, and it works.



*A futuristic frame design that allows a full four inches (100mm) of front and rear shock absorbing travel.*



*Our rigid upside down triple clamp fork with an Alpinestars braking system provides the front wheel with four inches (100mm) of progressive travel.*

Upside down triple clamp fork. Composite material construction for maximum stiffness.

Revolutionary reinforced T-style frame provides four inches (100mm) of travel while maintaining racing geometry and increasing standover height.

Fully enclosed urethane suspension system is easily adjusted to rider weight and style.

Alpinestars newly created cantilever side pull braking system for maximum braking power and ease of adjustment.



*A triangulated oversize swingarm engineered to provide a full four inches of progressive travel, while delivering the rigidity and strength that rear suspension demands.*

# SUSPENSION T44







# Ti tanium



Alpinestars 3-2.5 Titanium oversized Unicrown fork.



Alpinestars 3-2.5 Titanium oversized stem and Tange Superlite headset.



Alpinestars 3-2.5 Titanium seatpost with infinite seat angle adjustment.

**Ti***mega* Simply stated, the Ti-Mega is the most technologically advanced mountain bike in the world — period. At the heart of this technological breakthrough is the EOS frame. We've developed a revolutionary design consisting of radically short 15.9" chainstays and curved seat tube for the ultimate combination of power climbing, traction, and tire clearance. Shown THT: Titanium frame, fork, stem, seat post, bottom bracket, and carbon fiber bar. The Ti-Mega is your competition's worst nightmare.





Alpinestars oversized aluminum fork, Easton VariLite tubing. All welded construction.



**Ti**aluminum Combine these features with a titanium frame, aluminum fork, handlebar, stem, and seatpost made of 7000 series oversize aluminum tubing (renowned for its tremendous strength and light weight), and you have every racer's dream machine.



Alpinestars clamp-on stem, Easton VariLite tubing. Tange Superlite headset.

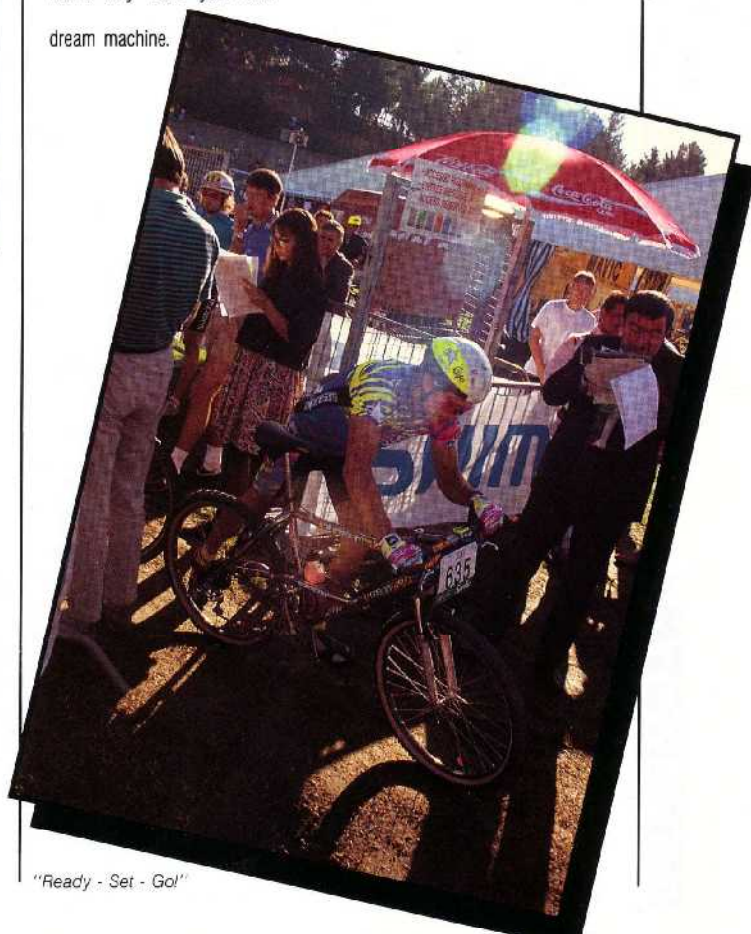


Alpinestars cartridge bearing bottom bracket with precision ground Cro-Moly spindle for smooth, dependable performance.

**Ti**tanium

## Ti frame

The Ti-Mega is also available frame only. Build your own dream machine.



"Ready - Set - Go!"

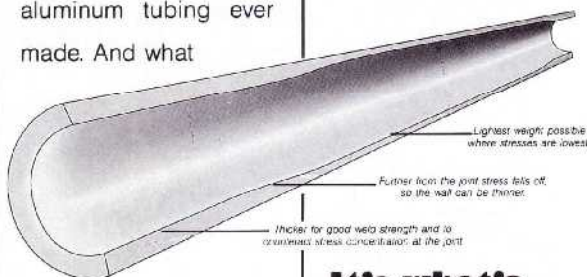




**STRENGTH** *doesn't come any lighter*

## Get with the ProGram.™

Easton ProGram tubing is the strongest, most technically advanced aluminum tubing ever made. And what



makes it the strongest, also makes it the lightest.

We've learned a lot about load capacities from bridge builders. The geometry of a suspension bridge dissipates stress away from critical joints —

enabling it to support many more times the weight, with relatively light cables. The same principle applies to bike tubing.

## It's what's on the inside that counts.

We start with aerospace alloys and use computer technology to create tubes that are thick at the ends where stress is highest, yet taper thin in the center, where there is little or no stress.

## ProGram aluminum goes way beyond butted.

In butted tubing, the "step-down points" don't dissipate stress evenly. That gives tiny cracks a foothold and may eventually cause a tube to fail. But because the taper in Easton's ProGram tubing is a computer controlled smooth contour, stress is dissipated, preventing fatigue.

## Welded.

The best bike frames in the world use Easton tubing. If you're looking

for a welded frame, look for Easton ProGram VariLite tubing.

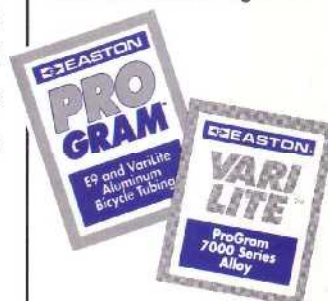
## ProGram vs. Straight Wall

**25% less** weight.

**97% more** compliance.

**30% more** impact strength.

**2-3 times** the fatigue life.



**EASTON**

**Get with the ProGram.**





Shimano XTR components with Rapid Fire Plus shifters and 8 speed drivetrain.



Easton VariLite ProGram tubing. The ultimate combination of strength, rigidity, and light weight.



Shimano XTR components

Easton VariLite ProGram Aluminum tubing



EOS System - Curved seat tube and 403mm elevated chainstays for limitless tire clearance and climbing traction.

Alpinestars aluminum fork, Easton VariLite tubing

Cold forged dropouts, front and rear

Alpinestars aluminum clamp-on stem, Easton VariLite tubing

Investment cast stainless steel seat collar

Mavic 231 rims, 32 hole

DT 14/15 gauge stainless with alloy nipples

**ALPINESTARS XTR**





# ALmegaXT

Shimano XT components



Rapid Fire Plus shifters



Easton VariLite ProGram Aluminum tubing



Alpinestars aluminum fork, Easton VariLite tubing



Cold forged dropouts, front and rear



Alpinestars aluminum stem, Easton VariLite tubing



Alpinestars cartridge bearing bottom bracket



Tange Superlite headset



Mavic 231 rims, 32 hole



Stainless steel double butted spokes



Alpinestars investment cast stainless steel seat collar and cable router.



Alpinestars cartridge bearing bottom bracket with precision ground Cro-Moly spindle for smooth, dependable performance.



Alpinestars ODS System - 28.6mm 7005 series aluminum handlebars, Easton VariLite aluminum clamp-on stem and Easton VariLite aluminum fork.







Alpinestars investment cast stainless steel seat collar and cable router.



Alpinestars oversized aluminum stem, Easton VariLite tubing.



## Shimano DX components



Easton VariLite aluminum tubing



Oversize Cro-Moly unicrown fork with investment cast dropouts



Easton VariLite tubing. The ultimate combination of strength, rigidity, and light weight.

## Cold forged rear dropouts



Alpinestars aluminum stem, Easton VariLite tubing



Alpinestars aluminum handlebar, 28.6mm



Investment cast stainless steel seat collar



Mavic 231 rims, 32 hole



Stainless steel spokes

# ALPINESTARS DX





**Tim Davies —**  
Alpinestars USA Team Member, U.K.  
7th Place, World Championships 1991.





## EXPERIENCE *the ride of cro-moly*

**F**or over sixty years, **Tange** has steadily improved the state of the art in tubing technology. Continuous development and innovation has led to complete frame systems offering higher performance, lighter weight, and greater flexibility.

Frame design is vital to the performance of a bicycle, and tubing is vital to the performance of the frame. The advanced technology and quality control in every **Tange** tube allows our designers to engineer maximum performance into the Alpinestars Cro-Mega LX and Xross LX.

Whether you're hammering hard in the mountains, or just cruising around town, an Alpinestars frame with **Tange** tubing offers all the performance you demand.

**True Temper** is a worldwide leader in the production of advanced technological innovation. **True Temper** has consistently developed new concepts and produced a series of frame tubing that uses the most advanced manufacturing processes available.

The newest member of the **True Temper** tubing family is the exciting OX Ultra II. Working closely with **True Temper**, Alpinestars is proud to offer the most advanced concept in steel frame technology. Large diameter ultra thin walls combine with stress specific butted sections to offer the lightest weight possible with increased frame rigidity and durability. Special heat treatment and tight tolerances add to the clear superiority of OX Ultra II.

For some riders, nothing can replace the feel of steel. The Alpinestars Cro-Mega Series is the feel of **real steel**.





# CROMEGA DX

Shimano DX components

True Temper OXII heat treated double butted Cro-Moly tubing

Investment cast dropouts front and rear

Overize Cro-Moly unicrown fork with forged dropouts

Alpinestars aluminum stem, Easton VariLite tubing

Alpinestars aluminum handlebar, 28.6mm

Mavic 232 rims, 32 hole



Alpinestars oversize aluminum stem, Easton VariLite tubing.



True Temper OXII tubing, specially heat treated to enhance strength and performance.



Alpinestars oversize Cro-Moly fork, investment cast dropouts.







Shimano LX 500 drivetrain  
with 21 speeds and round alloy  
chainrings.



Alpinestars oversize stem,  
31.75mm headset.



EOS System - Curved seat tube  
and 403mm elevated chainstays  
for limitless tire clearance and  
climbing traction.

Shimano LX 500 components

Tange double butted  
Cro-Moly tubing

Investment cast rear dropouts

Overize Cro-Moly unicrown  
fork with forged dropouts

Alpinestars aluminum  
handlebar, 28.6mm

Ritchey Vantage  
Sport Pin rims

**CRO-MOLY LX**







If you're a smaller rider you should not have to sacrifice performance by riding an ill-fitting bicycle. The Alpinestars T-Bike series has all the performance of a conventional bike and more. With correct standover height and better body positioning, our proportionally sized bikes will fit you to a "T".



ZSS System - Clamp-on stem, Zero stack headset and special length fork combine to reduce standover height and provide proper riding position.



The unique "T-Bike" frame has the lowest standover height of any bike with 26" wheels.



Cold forged rear dropouts are specially designed for our mono rear stays.

Cantilevered rear stays knock the edge off rough bumps to give you a smooth ride.



Two rises of stems to fit your style.



Zero stack headset lowers the stem for better fit.



Elevated stays for greater heel clearance.



Single "boom" tube for maximum standover clearance.

T-bikes



**AL**mega XTR T26



**CRO**mega DX T26



**AL**mega XT T26



**CRO**mega LX T26



**AL**mega DX T26





# ALPINE CROSS DX

Shimano DX components

Easton VariLite  
Aluminum tubing

Alpinestars oversize  
Cro-Moly fork

Alpinestars aluminum stem,  
Easton VariLite tubing

Alpinestars aluminum  
handlebar, 28.6mm

Investment cast stainless  
steel seat collar

Ritchey Vantage Xross  
rims, 32 hole

Stainless steel spokes

Avocet tires



Alpinestars investment cast stainless steel seal collar and cable router.



Easton VariLite tubing. The ultimate combination of strength, rigidity, and light weight.



Alpinestars oversize aluminum stem, Easton VariLite tubing.







Shimano LX 500 drivetrain with 21 speeds and round alloy chainrings.



CSS System - 419mm chainstays and curved seat tube provide superior traction and tire clearance.



Unicrown fork design with ovalized Cro-Moly blades.

Shimano LX 500 components

Tange double butted Cro-Moly tubing

Alpinestars oversize Cro-Moly fork

Ritchey Forged rear dropouts

Alpinestars aluminum handlebar, 28.6mm

Ritchey Vantage Xross rims

**ALPINE**  
*xross*  
**LX**





# TECHNICAL tools

**A STEERER DIE** — Used to chase the threads on 31.75mm steerer tubes. The die is Titanium Nitride coated for durability.

**B CROWN RACE DRIVER** — Heavy steel slide hammer for positive installation of the crown race.

**C SHOP QUALITY BB TOOL** — Top quality shop tool for installing the Alpinestars bottom bracket.

**D HEADSET RACE REMOVER** — Chromed steel driver for removing headset races from the frame.

**E CONSUMER QUALITY BB TOOL** — Wrench style tool for installing the Alpinestars bottom bracket. Includes a 40mm headset wrench.

**F HEADSET WRENCH** — For adjusting and tightening 31.75mm headsets (40mm).

**G HEADTUBE MILL / HEADSET PRESS** — Used to prepare the headtube bore and faces for installation of a 31.75mm headset. Also used to press the headset races into the frame. Cutter is Titanium Nitride coated for durability.

**H ZERO STACK PRESS BUSHINGS** — Used with the Alpinestars Headtube Mill and Press to install headset races in the T-26 frame.

**I FORK CROWN RACE MILL** — Precision mills the fork crown race seat for installation of a 31.75mm headset. Cutter is Titanium Nitride coated for durability.



Alpinestars investment cast stainless steel seat collar with removable lever assembly. Lever can be replaced with M6xP1 allen bolt for additional weight savings. Works with 35mm seat tube.

Alpinestars investment cast stainless cable router for routing the rear brake cable. For 35mm seat tubes.

Alpinestars investment cast stainless steel seat collar with integral lever. Available for both 31.75mm and 35mm seat tubes.

Investment cast stainless steel rear derailleur hanger. Works with Alpinestars aluminum dropouts.



# PERFORMANCE

*parts*



**A** TITANIUM STEMS — 3-2.5 Titanium, polished finish. Fits 31.75mm forks and 28.6mm handlebars. Available in 100mm, 115mm, 130mm, 145mm, and 160mm extensions.

**B** TITANIUM FORK — 3-2.5 Titanium blades and steerer tube, machined 6061 aluminum dropouts. Unicrown design with 35mm diameter straight blades. 31.75mm diameter steerer tube. Polished Titanium finish.

**C** TITANIUM SEAT POST — Super light design made of 3-2.5 Titanium. Infinite seat angle adjustment. 27.2mm diameter, 290mm length. Polished Titanium finish.

**D** ALPINESTARS TITANIUM BOTTOM BRACKET — Innovative design with sealed cartridge bearings mounted outside of the bottom bracket shell. Machined and precision ground titanium spindle.

**A** ALUMINUM STEMS — Easton VarILite Aluminum, black anodized with laser etched logo. Fits 31.75mm forks and 28.6mm handlebars. Available in 115mm, 130mm, 145mm, and 160mm extensions.

**AA** Also available in clamp-on version for use with our Aluminum fork.

**B** T-26 STEMS — Cro-Moly, black finish. Fits 22.2mm stub on T26 fork and 25.4mm handlebars. Available in both 0° and 25° rise, 100mm extension.

**C** ALUMINUM SEAT POST — All Aluminum with cold forged seat clamp. Infinite seat angle adjustment. 31.6mm diameter, 350mm length. Black anodized with laser etched logo.

**D** ALPINESTARS CRO-MOLY BOTTOM BRACKET — Innovative design with sealed cartridge bearings mounted outside of the bottom bracket shell. Machined and precision ground Cro-Moly spindle.

**E** ALUMINUM HANDLEBARS — 7005 Aluminum, 28.6mm diameter 610mm width. Black anodized with laser etched logo.

**F** CARBON FIBER HANDLEBARS — Carbon fiber composite, 28.6mm diameter, 590mm width. Natural carbon finish.

**G** ALUMINUM FORK — Easton VarILite Aluminum blades and steerer tube, cold forged dropouts. Unicrown design with 35mm straight blades. 31.75mm steerer tube. Black anodized finish.







**ATB series I**

**WILD thing I**



**ATB series II**



**NOIR II**



**WILD thing II**

## **NEW ATB SHOE**

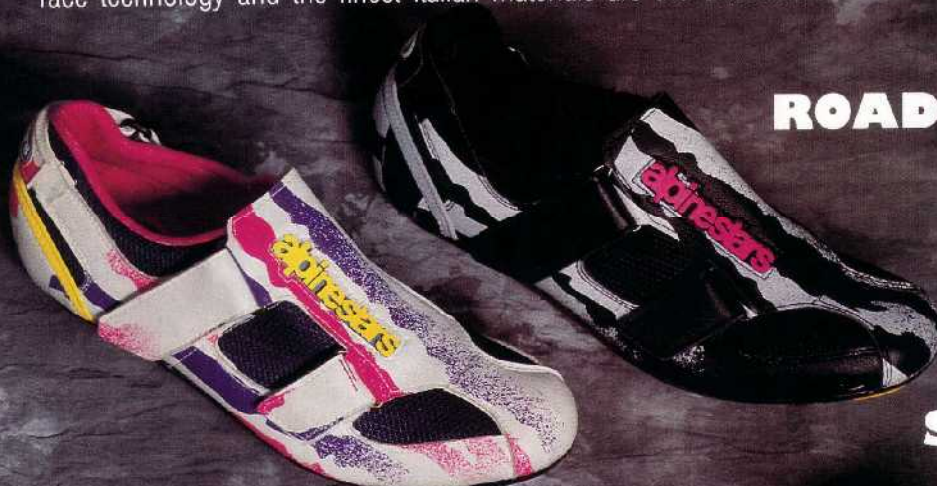
- New ATB sole is compatible with clipless pedal systems
- Furnished with a standard cleat for toe clips and straps
- New sole design protects clipless cleats



# ALPINESTARS 1992 RACE SERIES SHOES

## *Italian Craftsmanship with Clipless Compatibility*

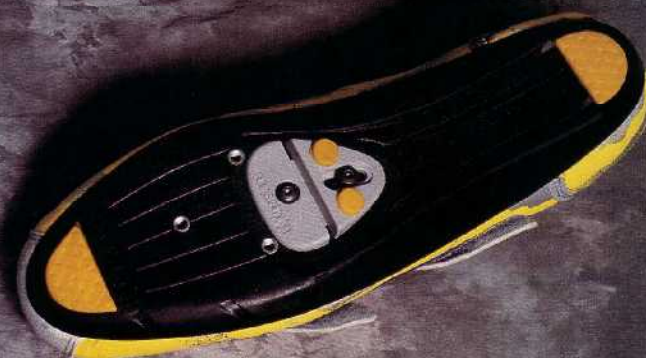
Both ATB and Road Race series shoes feature double velcro main straps, metal loops, and heel retention straps that allow a custom fit and easy entry. Alpinestars race technology and the finest Italian materials are the unbeatable combination.



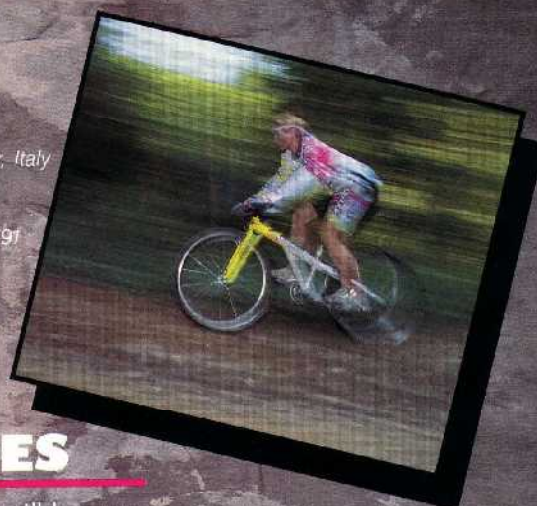
**ROAD** series

**STORM**

**STRATOS**



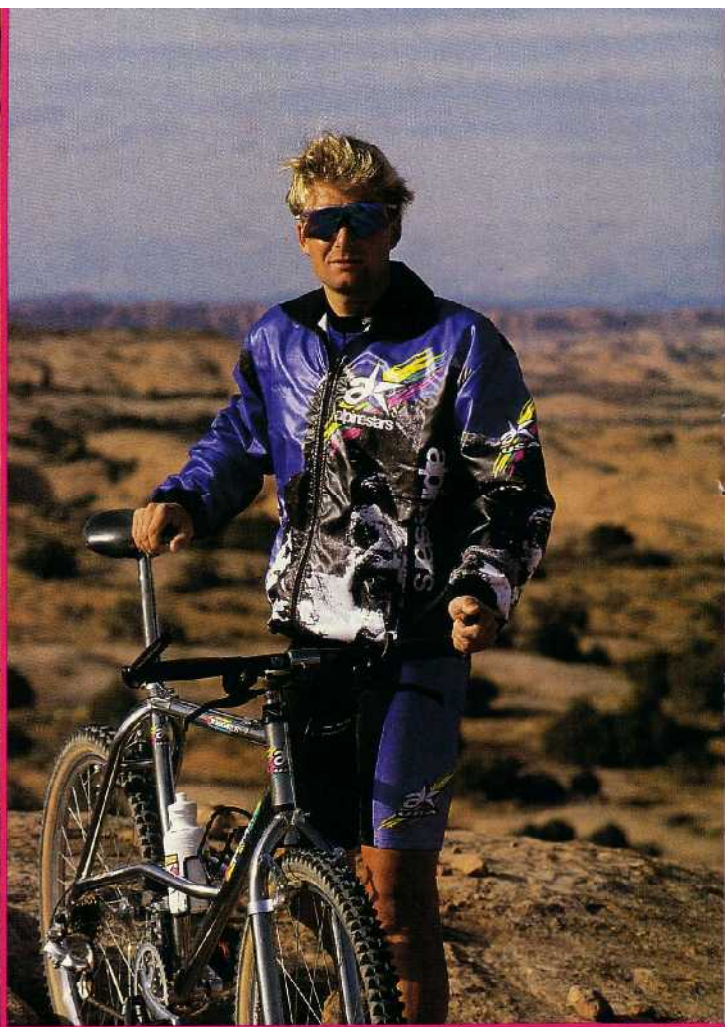
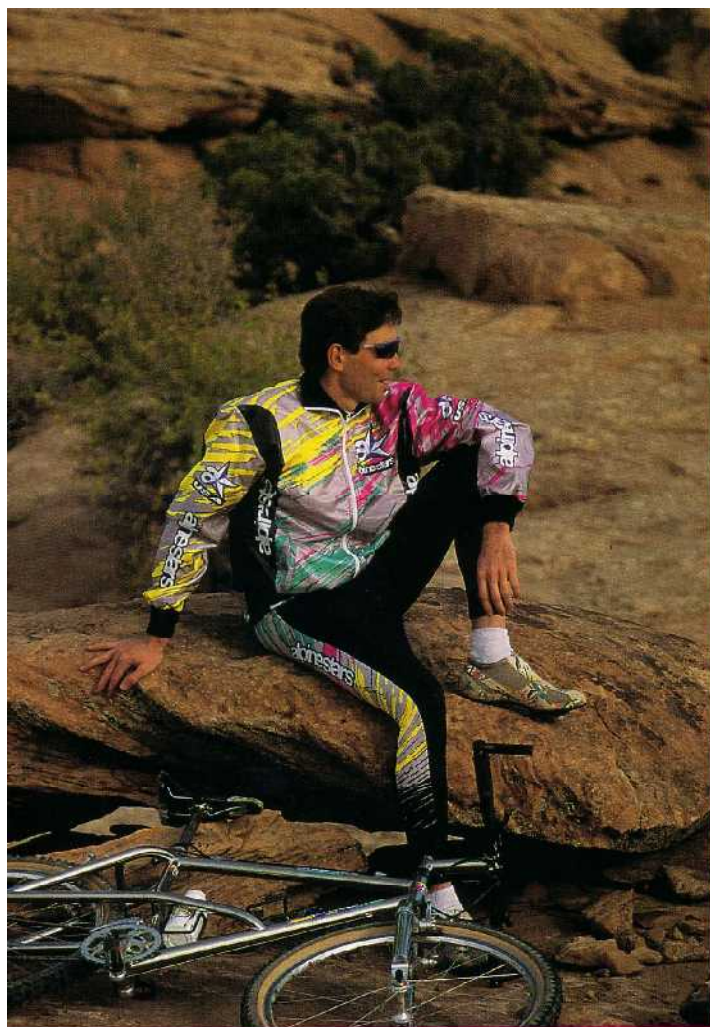
**Maria Giulia Cannello —**  
Alpinestars USA Team Member, Italy  
#3 Italian Championships '91  
#3 International Cup '91  
#9 European Championship '91  
#17 World Championship '91



## NEW ROAD RACING SHOES

- Stiffer sole for better power transmission
- Clipless pedal compatible (three bolt pattern)
- Alpinestars Heel Retention Strap allows for more secure grip for "out-of-saddle" sprinting.

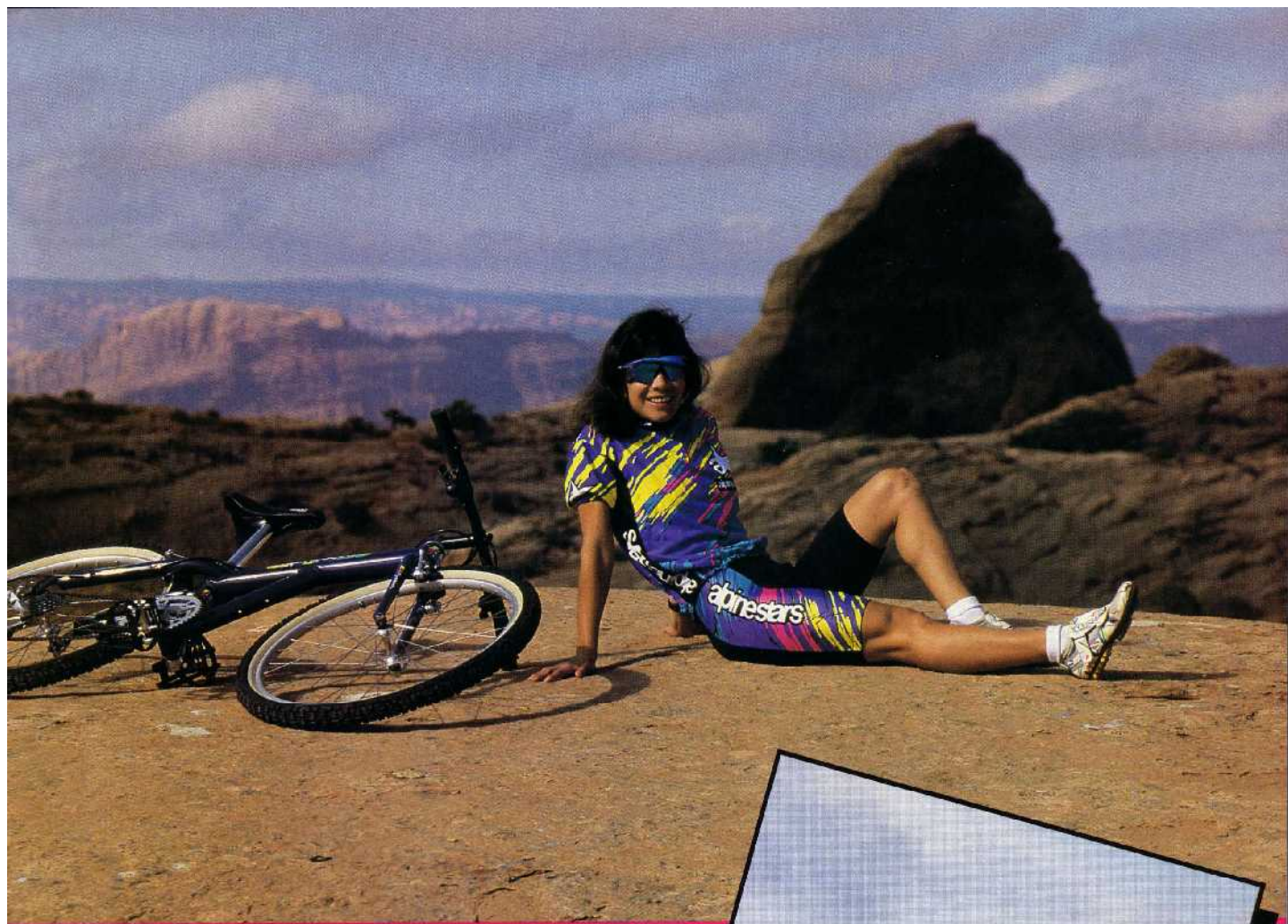




Alpinestars USA Team Jacket, grey  
 Alpinestars USA Team Tights, grey  
 Alpinestars USA Team Jersey, long sleeve, grey  
 Alpinestars USA Team Jersey, short sleeve, grey  
 Alpinestars USA Team Shorts, grey

Alpinestars USA Mountain Jacket  
 Alpinestars USA Team Tights, violet  
 Alpinestars USA Team Jersey, long sleeve, violet  
 Alpinestars USA Mountain Jersey, short sleeve  
 Alpinestars USA Logo Shorts, violet





Alpinestars USA Team Jacket, violet  
 Alpinestars USA Team Tights, violet  
 Alpinestars USA Team Jersey, long sleeve, violet  
 Alpinestars USA Team Jersey, short sleeve, violet  
 Alpinestars USA Team Shorts, violet



# ALPINESTARS<sup>etc.</sup>

White helmet cover

Water bottle cages

Water bottles,  
large and small

New Generation T-Shirt,  
XLg., Lg., Med., Sm.



Alpinestars  
New Generation  
sticker kit.



Grey helmet cover

Grey gloves,  
half or full finger



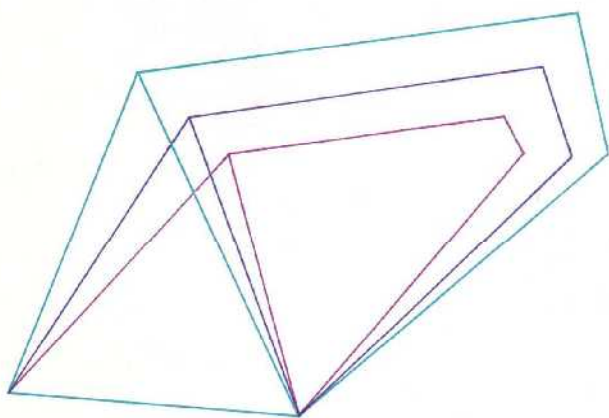
Team travel bag.







**BECAUSE** *performance is proportional*



Our proportionally sized bikes take into account that people are different. Our frames are designed to biomechanically fit the varying anatomies of real people. The angles, tube lengths and stem lengths vary according to frame size and rider height. Proportionally sized bikes provide high performance whether you're 4'9", 5'10", or 6'6".

**FRAME** *sizing*



# SPECifications

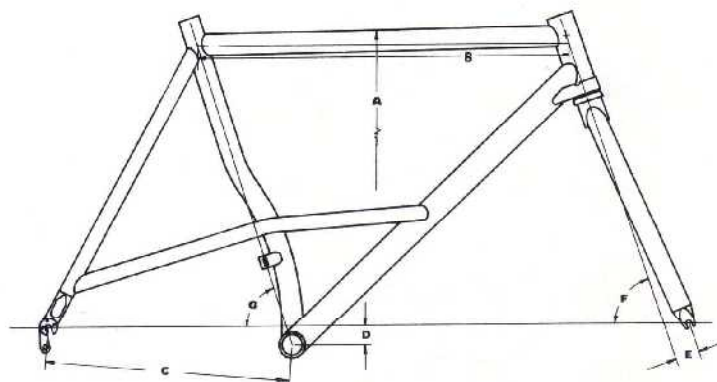
MODEL	Al-Mega XTR	Al-Mega XT	Al-Mega DX	Cro-Mega DX	Cro-Mega LX	Xross DX	Xross LX	Ti-Mega Frame Set-Titanium
<b>SIZES</b>	32cm*, 36cm, 45cm, 48cm, 52cm	32cm*, 38cm, 45cm, 48cm, 52cm	32cm*, 38cm, 45cm, 48cm, 52cm	32cm*, 36cm, 45cm, 48cm, 52cm	32cm*, 38cm, 45cm, 48cm, 52cm	41cm, 45cm, 48cm	41cm, 45cm, 48cm	38cm, 45cm, 48cm, 52cm
<b>FRAME</b>	Alpinestars Design, curved seat tube, elevated chainstays, Easton ProGram tubing, cold forged Alpinestars dropouts with investment cast stainless steel derailleur hanger.	Alpinestars Design, curved seat tube, elevated chainstays, Easton ProGram tubing, cold forged Alpinestars dropouts with investment cast stainless steel derailleur hanger.	Alpinestars Design, curved seat tube, elevated chainstays, Easton front triangle, cold forged Alpinestars dropouts with investment cast derailleur hanger.	Alpinestars Design, curved seat tube, elevated chainstays, True Temper OXII heat treated, double-butted tubing, investment cast Alpinestars dropouts.	Alpinestars Design, curved seat tube, elevated chainstays, Tange double butted tubing, investment cast Alpinestars dropouts.	Alpinestars Design, curved seat tube, Easton front triangle.	Alpinestars Design, curved seat tube, Tange double butted front triangle.	Alpinestars Design, curved seat tube, elevated chainstays, 3-2.5 Titanium tubing, Titanium dropouts with investment cast stainless steel derailleur hanger.
<b>FORK</b>	Alpinestars Design, Easton VariLite ProGram tubing, TIG welded, 35mm straight blades, cold forged ends, 31.75mm steerer.	Alpinestars Design, Easton VariLite ProGram tubing, TIG welded, 35mm straight blades, cold forged ends, 31.75mm steerer.	Alpinestars Design, Cro-Moly unicrown, 31.75mm straight blades, investment cast ends, 31.75mm steerer.	Alpinestars Design, Cro-Moly unicrown, 31.75mm straight blades, investment cast ends, 31.75mm steerer.	Alpinestars Design, Cro-Moly unicrown, 28.6mm straight blades, forged ends, and 31.75mm steerer.	Cro-Moly unicrown, oval straight blades, investment cast dropouts, 31.75mm steerer.	Cro-Moly unicrown, oval straight blades, investment cast ends, 31.75mm steerer.	Alpinestars Design, 3-2.5 Titanium, TIG welded, 35mm straight blades, machined 6061 aluminum dropouts, 31.75mm steerer.
<b>HEADSET</b>	Tange Superlite, 31.75mm	Tange Superlite, 31.75mm	31.75mm	31.75mm	31.75mm	31.75mm	31.75mm	Tange Superlite 31.75mm
<b>CRANKSET</b>	Shimano Hyperglide XTR, round chainrings, 26-36-46T.	Shimano XT, round chainrings, 24-36-46T.	Shimano DX, round chainrings, 24-36-46T.	Shimano DX, round chainrings, 24-36-46T.	Shimano LX 500, round chainrings, 24-36-46T.	Shimano DX, round chainrings, 24-36-46T.	Shimano LX 500, round chainrings, 24-36-46T.	
<b>BOTTOM BRACKET</b>	Shimano UN-90	Alpinestars B.B. w/Cro-Moly Spindle, cartridge bearing.	Shimano UN-50	Shimano UN-50	Shimano CS-20	Shimano UN-50	Shimano CS-20	Alpinestars Design, with Titanium spindle, cartridge bearing.
<b>PEDALS</b>	Shimano Competition.	Shimano Competition.	Competition Style.	Competition Style.	Competition Style.	Competition Style.	Competition Style.	
<b>CHAIN</b>	Shimano CN-7401	Shimano HG90	Shimano HG-70	Shimano HG-70	HG	Shimano HG-70	HG	
<b>CASSETTE</b>	Shimano Saindergear XTR 8 Speed, 12-32T	Shimano XT 7 Speed, 12-28T	Shimano DX 7 Speed, 12-28T	Shimano DX 7 Speed, 13-30T	Shimano LX 500 7 Speed, 13-30T	Shimano DX 7 Speed, 12-28T	Shimano LX 500 7 Speed, 13-30T	
<b>FRONT DER</b>	Shimano XTR	Shimano XT	Shimano DX	Shimano DX	Shimano LX 500	Shimano DX	Shimano LX 500	
<b>REAR DER</b>	Shimano XTR	Shimano XT	Shimano DX	Shimano DX	Shimano LX 500	Shimano DX	Shimano LX 500	
<b>CONTROL LEVERS</b>	Shimano XTR STI Rapid Fire Plus.	Shimano XT STI Rapid Fire Plus.	Shimano DX STI.	Shimano DX STI.	Shimano LX 500 STI.	Shimano DX STI.	Shimano LX 500 STI.	
<b>HANDLEBAR</b>	Alpinestars Easton 7005 series aluminum, Alpinestars clamp-on style.	Alpinestars 7005 series aluminum, Alpinestars clamp-on style.	Alpinestars 6061 series aluminum, Alpinestars 28.6mm.	Alpinestars 6061 series aluminum, Alpinestars 28.6mm.	Alpinestars 6061 series aluminum, Alpinestars 28.6mm.	Alpinestars 6061 series aluminum, 28.6mm.	Alpinestars 6061 series aluminum, 28.6mm.	Alpinestars Carbon Fiber composite, 28.6mm
<b>STEM</b>	Alpinestars, Easton VariLite tubing, clamp-on style.	Alpinestars, Easton VariLite tubing, clamp-on style.	Alpinestars, Easton VariLite tubing, TIG welded.	Alpinestars, Easton VariLite tubing, TIG welded.	Alpinestars, Cro-Moly, TIG welded.	Alpinestars, Easton VariLite tubing, TIG welded.	Alpinestars, Cro-Moly, TIG welded.	Alpinestars, 3-2.5 Titanium.
<b>GRIPS</b>	Krayton hex grip.	Krayton hex grip	Krayton hex grip.	Krayton hex grip.	Krayton hex grip.	Krayton hex grip.	Krayton hex grip.	
<b>BRAKES</b>	Shimano XTR, low profile.	Shimano XT, low profile.	Shimano DX, low profile.	Shimano DX, low profile.	Shimano LX 500, low profile.	Shimano DX, low profile.	Shimano LX 500, low profile.	
<b>REAR HUB</b>	Shimano XTR	Shimano XT	Shimano DX	Shimano DX	Shimano LX 500	Shimano DX	Shimano LX 500	
<b>FRONT HUB</b>	Shimano XTR	Shimano XT	Shimano DX	Shimano DX	Shimano LX 500	Shimano DX	Shimano LX 500	
<b>RIMS</b>	Mavic 231, silver anodized, 32 hole.	Mavic 231, silver anodized, 32 hole.	Mavic 231, silver anodized, 32 hole.	Mavic 232, silver anodized, 32 hole.	Ritchey Vantage Sport	Ritchey Vantage Cross Sport, 32 hole.	Ritchey Vantage Cross Sport	
<b>TIRES</b>	Alpinestars TKD 2	Alpinestars TKD 2	Alpinestars TKD 2	Alpinestars TKD 1.	Alpinestars TKD 1.	Avocet Cross.	Avocet Cross.	
<b>SADDLE</b>	Avocet R-1 Leather, pebble finish.	Avocet R-1 Leather, pebble finish.	Avocet R-V Sport.	Avocet R-V Sport.	Avocet R-V Sport.	Avocet R-V Sport.	Avocet R-V Sport.	
<b>SEAT POST</b>	Alpinestars	Alpinestars.	Proponent.	Proponent.	Kalloy.	Proponent.	Kalloy.	Alpinestars 3-2.5 Titanium.
<b>SEAT COLLAR</b>	Alpinestars Stainless Steel, quick release.	Alpinestars Stainless Steel, quick release.	Alpinestars Stainless Steel, quick release.	Alloy.	Alloy.	Alpinestars Stainless Steel, quick release.	Alloy.	Alpinestars Stainless Steel, integral quick release.
<b>COLOR</b>	Polished Aluminum.	Midnight Black	Cobalt Blue.	Ferrari Red.	Alpine White.	Cobalt Blue.	Alpine White.	Polished Titanium.

\*The 32cm frame size uses the unique "T" frame style. In order to be particularly suited for the small performance-oriented rider (for whom the bike is intended), there are several other non-standard features such as the "zero" stack headset, a clamp-on stem, and downsized forks and bars. In all other respects, an effort has been made to duplicate the components found on the larger frame sizes of each model.



Ti-Mega Frame Set-Aluminum	Ti-Mega Frame Alone	T-44 Complete Bike	T-44 Frame Set
38cm, 45cm, 48cm, 52cm	38cm, 45cm, 48cm, 52cm	45cm, 48cm, 52cm	45cm, 48cm, 52cm
Alpinestars Design, curved seat tube, elevated chainstays, 3-2.5 Titanium tubing, Titanium dropouts with investment cast stainless steel derailleur hanger.	Alpinestars Design, curved seat tube, elevated chainstays, 3-2.5 Titanium tubing, Titanium dropouts with investment cast stainless steel derailleur hanger.	Alpinestars Design, Easton ProGram tubing front triangle. True Temper Cro-Moly swing arm, Alpinestars investment cast dropouts. <b>Rear Suspension Media:</b> Multi-density urethane. Progressive action, easily tuned.	Alpinestars Design, Easton ProGram tubing front triangle. True Temper Cro-Moly swing arm, Alpinestars investment cast dropouts. <b>Rear Suspension Media:</b> Multi-density urethane. Progressive action, easily tuned.
Alpinestars Design, Easton VariLite ProGram tubing, TIG welded, 35mm straight blades, cold forged ends, 31.75mm steerer.		Alpinestars Design, upside down triple clamp configuration. Aluminum upper tubes with Cro-Moly lower legs and investment cast dropouts. Aluminum triple clamps and steerer tube. <b>Fork Suspension Media:</b> Multi-density urethane. Progressive action, easily tuned.	Alpinestars Design, upside down triple clamp configuration. Aluminum upper tubes with Cro-Moly lower legs and investment cast dropouts. Aluminum triple clamps and steerer tube. <b>Fork Suspension Media:</b> Multi-density urethane. Progressive action, easily tuned.
Tange Superlite, 31.75mm		Tange Superlite, 31.75mm	Tange Superlite, 31.75mm
	Suntour XC Pro Microdrive, round chainrings, 20-32-42T.		
Alpinestars Design, with Cro-Moly spindle, cartridge bearing.	Alpinestars Design, with Cro-Moly spindle, cartridge bearing.	Alpinestars Design, with Cro-Moly spindle, cartridge bearing.	
	Suntour XC Pro		
	Suntour AP		
	Suntour Microdrive 7 speed, 11-24T.		
	Shimano Deore		
	Suntour XC Pro Microdrive		
	Suntour XC Pro 7 speed thumbshifters, Suntour XC Pro 3 finger brake levers.		
Alpinestars 7005 Series aluminum, 28.6mm.	Alpinestars 7005 Series aluminum, 28.6mm	Alpinestars 7005 Series aluminum, 28.6mm	
Alpinestars, Easton VariLite tubing, clamp-on style.	Alpinestars Easton VariLite tubing, clamp-on style.	Alpinestars Easton VariLite tubing, clamp-on style.	
	Krayton hex grip.		
	Alpinestars cantilever side pull, front and rear.		
	Suntour XC Pro Microdrive freewheel.		
	Suntour XC Pro		
	Mavic 231, silver anodized, 32 hole.		
	Alpinestars TKD 2.		
	Avocet R/V Sport.		
Alpinestars, Aluminum.	Alpinestars, Aluminum.	Alpinestars, Aluminum.	
Alpinestars Stainless Steel, integral quick release.	Alpinestars Stainless Steel, integral quick release.	Alpinestars Stainless Steel, integral quick release.	
Polished Titanium.	Polished Titanium.	Polished main frame. Black fork and swingarm.	Polished main frame. Black fork and swingarm.

## FRAME dimensions



### AL-MEGA MOUNTAIN BIKES

SIZE	A	B	C	D	E	F	G
	STANDOVER	TOP TUBE (EFF)	CHAINSTAY	BB DROP	FORK OFFSET	HEAD ANGLE	SEAT ANGLE
32.0	640	538	408	44.5	44	69.5	75
38.0	725	559	403	44	39	69.5	75
45.0	761	578	403	38	39	70.2	74.2
48.0	794	597	403	38	39	70.8	73.4
52.0	818	616	403	32	39	71.4	72.5

### CRO-MEGA MOUNTAIN BIKES

SIZE	A	B	C	D	E	F	G
	STANDOVER	TOP TUBE (EFF)	CHAINSTAY	BB DROP	FORK OFFSET	HEAD ANGLE	SEAT ANGLE
32.0	630	538	408	44.5	44	69.5	75
38.0	723	559	403	44	39	69.5	75
45.0	761	578	403	38	39	70.2	74.2
48.0	792	597	403	38	39	70.8	73.4
52.0	816	616	403	32	39	71.4	72.5

### XROSS BIKES

SIZE	A	B	C	D	E	F	G
	STANDOVER (AL) (CRO)	TOP TUBE (EFF)	CHAINSTAY	BB DROP	FORK OFFSET	HEAD ANGLE	SEAT ANGLE
41.0	758 757	559	419	56	56	70.8	75
45.0	785 783	578	419	52	56	71.2	74.2
48.0	812 812	597	419	48	56	71.8	73.4





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