# SARACEN

HANDBUILT IN ENGLAND




HAND BUILT IN ENGLAND

1992




RITCHEY


Shimano SG E-60
XD

# SARACEN

HANDBUILT IN ENGLAND

## The Pursuit of Excellence

Since the sport was first invented and the mountain biking boom began, Saracen has consistently exceeded the expectations of successive generations of recreational and competition riders.

Even by these exacting standards, 1992 is set to be an outstanding year. Our mountain bikes have always been race-proven but now, for the first time, we'll be sponsoring our own team of four, top-flight professionals to compete in national mountain bike events. Make no mistake, we're not entering to make up the numbers. **We've produced a range of bikes so supremely light and strong they belong in the fray.**

By the end of the season, the sight of a triumphant Saracen team overcoming the most gruelling conditions with consummate ease is certain to be a familiar one. Conquering the elements is a tradition at Saracen. **Ever since the old altitude record for cycling was shattered on Kilimanjaro using a Saracen, we've been scaling new heights.** Epic journeys across some of the most hostile terrain on earth, such as the Sahara Desert, the Peruvian Andes and Arctic Glaciers have provided both a test of character for our riders and the most rigorous trials imaginable for our machines.

Challenges like these are the acid test for a mountain bike and the lessons we learn on long distance endurance trips or on the race circuit - as well as through a regular dialogue with our development riders, experts and customers - give us an invaluable, professional insight into designing mountain bikes equipped to perform heroics anywhere.

Since the choice of most riders is ultimately determined by budget, **the new range also represents exceptional value-for-money,** at every price level, making us as competitive on price as we are on the trail

Mountain bikes are our life. We make nothing but. And never has the success of this total dedication to the concept and principles of the sport been more apparent than in 1992.

## New Innovations for 1992

**Mountain bike technology is in a constant state of innovation and development and, in 1992 Saracen's new lighter, stronger range has incorporated such state-of-the-art features as:**

* The arrival of a new line of components created by mountain bike guru Tom Ritchey, including Bar's, Stem's, Head Sets, Rims and Tyres is our single, most significant innovation in 1992. The far lighter, stronger designs, many of which are produced to the most stringent world championship series standard, substantially improve every aspect of riding and handling performance.

* Strong, lightweight alloy competition bar ends are now fitted as standard on all off-road competition bikes.

* True Temper AVR lightweight elliptical profile frames and True Temper OX Ultra II heat treated lightweight Cromoly frames, which are manufactured using the ultimate in lightweight, heat treated thin wall American made tubing, are new this year

* All bikes fitted with True Temper frames come complete with a new investment cast lightweight rear dropout and feature a 73mm bottom bracket and tubular chainstays and seatstays for improved mud clearance.

* Re-introduction of Shimano Deore DX Top shifters which have been upgraded for more positive, precise and user-friendly gear shifting.

* The new Shimano cartridge Bottom Bracket set is sealed for life and maintenance-free.

* Also new from Shimano for 1992 is the top-of-the-line 24 speed XTR Group Set. A new standard of light-eight, strength and dependability in off road components.

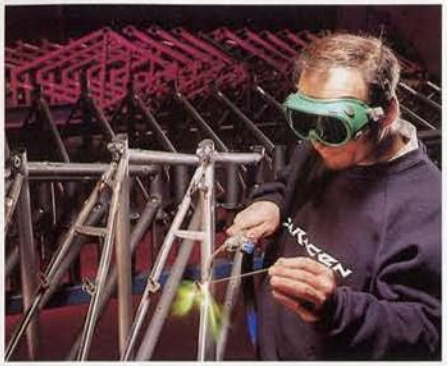
* Our Hybrid bikes feature a new gear shifting system with twist-grip gear control for maximum convenience on tarmac, plus Avocet Cross Tyres with an inverted tread pattern for a smooth ride and low rolling resistance in town, but sufficient grip for recreational off-road use.

* Stronger, lighter zoom lite Stem and lite alloy bars have been introduced on theTuftrax and Traverse offroad sport models.

* The 1992 version of the exceptionally advanced Magura Hydraulic braking system is in evidence on four of our off-road competition bikes.

* Factory-fitted Rox Shox II suspension forks with indexed adjustment and factory-supplied Shimano Clipless pedals are available as options.





Hand-finishing of the frame - from fitting a full complement of neat braze-ons to linishing the frame ready for painting - is typical of the attention to detail we lavish on our bikes before they leave the factory.



The final inspection of Saracen's famous resilient polyester powder coat, which is electrostatically applied over a chromate rust proofing primer and baked at a 180 C to guard against damage and provide a durable knock-resistant finish that doesn't flake if scratched.



The mechanic responsible for the bike's progress, from start to finish, double-checks the hand-finishing before the frame number and builder's name are stamped on the quality assurance cards which accompany every bike Saracen produce.

## The Lighter, Stronger Saracens for 1992

*Cycle material technology is evolving at a spectacular pace. Ideas that weren't even dreamed of a few years ago are now commonplace and many of the best components ever built have long since been adopted by Saracen.*

*Even so, we're not resting on our laurels. The worldwide search for new innovations to refine and perfect our machines continues unabated. For 1992, we've taken the pick of the lighter, stronger components from the sport's leading manufacturers - such as Tange, Ritchey, Shimano and True Temper - to produce a range of thoroughbred mountain bikes with a strength to weight ratio phenomenally better than last year.*

*The difference in performance between the old, cumbersome recreational heavyweights and our new, more competitive lightweight designs is devastating. Just being on the trail on a bike that is resilient and responsive, but is also so streamlined and astonishingly light is an exhilarating riding experience. As anyone who has off-road tested a 1992 Saracen will testify.*

*Always at the leading edge of development, we are the very first people to use this unique composition of components and our latest refinements reflect an ongoing commitment to producing a range of mountain bikes manufactured to uncompromising standards.*

***Saracen. Engineered for performance.***

### Glossary of Terms

Some of you may be unfamiliar with the mountain bike terminology found in our brochure, especially in the more detailed, individual descriptions of the Saracen range. In order to help you understand the information and select a bike that will maximise your enjoyment of the sport, we have produced the following glossary of terms.

SHIMANO: The cycle industry's leading manufacturer of moving component parts. TANGE: Japan's leading manufacturer of cycle tubing. RITCHEY: America's leading innovative designer and producer of light weight performance componentry. TRUE TEMPER: America's leading manufacturer of cycle tubing specialising in heat treated and lightweight tubing. MAGURA: Europe's foremost producer of hydraulic braking systems for motorbikes and cycles. ROCKSHOX: America's brand leader for front suspension systems. CAMPAGNOLO: The Italian company whose components have more Tour de France victories than any other have now turned their attention to the mountain bike market. OVERSIZED FRAME TUBING: Bigger diameter tubes with decreased wall thickness, combines strength with lightweight. CROMOLY: A mixture of expensive additives chrome and molybdenum which when combined with steel considerably increases its strength to weight ratio. DOUBLE BUTTED: A means of lightening the tube by reducing wall thickness in the centre of the tube without reducing strength. ELLIPTICAL PROFILE TUBING: Ovalising the tube at both ends enabling a greater contact area at major stress points. QUAD PROFILE TUBING: A new shape in aluminium tubing, borrowed from motor bike technology. ELEVATED CHAINSTAY: Elevating the chainstays enables a shorter triangle for competition use resulting in greater mud clearance and increased rear wheel traction. HEAT TREATED: A process of heating and quenching steel which improves the molecular structure enabling a thin wall tube to be both lighter and stronger. TOP SHIFTERS: S.I.S gear shifting on top of the handlebars giving quick and precise gear changes. GRIP SHIFTERS: A twist action gear shift mechanism allowing both hands to remain on the hand grips, ideal for hybrid bicycles and urban situations. GROUP SET: Co-ordinated gear, chainset and braking system by the same manufacturer. W.C.S: World Champion Series components by Ritchey designed for ultimate lightweight competition performance. KEVLAR: A synthetic material with the strength properties of steel but without its weight, developed for NASA's Space Programme, used on cycle tyre wall beads which reduce weight and enables the tyre to be folded.

*OFF ROAD SPORTS RANGE*

*A range of six, super bikes designed for serious but budget-conscious riders. Competitive specifications and retail price make them real value-for-money, with plenty to offer for both the recent convert and the experienced mountain biker.*

# SAHARA

The best entry-level bike around. Shimano componentry, using the 200 GS Group Set, Tange cromoly double butted frame and hand-built rustless spoked wheels combine to give you a machine perfect for recreational and sport use. The ideal introduction, offering a taste of mountain biking at a realistic price.

*"A tidy package with the named components and lighter parts giving it a quality feel that can be missing on budget bikes."*
Mountain Biker, April 1992

SAH

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano 500 LX/200 GS group set | Good quality Shimano componentry for Off Road use |
| Tange cromoly double butted frame | Lightness and rigidity at a competitive price |
| Oversize 1.125" Tioga headset | Strengthened main stress area and smooth steering |
| Shimano cartridge B.B. set | Sealed for life, maintenance free |
| Saracens famous tough polyester powder coat finish | Extremely durable knock resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfect componentry set up, double checked before leaving the factory, resulting in the lowest warranty claims in the Industry |
| Tioga Wonder Dawg tyres | Branded quality tyres at a competitive price |
| Hand built 36 x 14G rustless spoked wheels | Built tighter and stronger than machine built wheels, resulting in increased rider performance |





# SAHARA

## ELITE

The full oversize frame in Tange cromoly double butted frame tubing combined with upgraded Shimano Deore DX top shifters, which put the gear shifters right where you need them, and the Shimano Deore DX 2 finger brake levers for smooth, reliable, powerful braking will appeal to the rider who's looking for a better-than-average entry-level machine.

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano Deore DX/300 LX group set | Good quality Shimano componentry for Off Road use |
| Full oversize Tange cromoly double butted frame | High strength combined with Lightness and rigidity |
| Shimano Deore DX top shifters | Upgraded positive and precise gear shifting, with friction option |
| Shimano Deore DX 2 finger brake levers | Precise braking control |
| Shimano cartridge B.B. set | Sealed for life, maintenance free |
| Comfort system gel saddle | Excellent rider comfort |
| Saracens famous tough polyester powder coat finish | Extremely durable knock resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfect componentry set up, double checked before leaving the factory, resulting in the lowest warranty claims in the Industry |
| Tioga Wonder Dawg tyres | Branded quality tyres at a competitive price |
| Hand built 36 x 14G rustless spoked wheels | Built tighter and stronger than machine built wheels, resulting in increased rider performance |

Shimano Deore DX Top Shifters





Zoom Lite Stem

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano Deore DX/400 LX group set | Good quality Shimano componentry for Off Road use |
| Full oversize Tange cromoly elliptical profile double butted frame | High strength combined with lightness and increased rigidity at tube joints |
| Shimano Deore DX top shifters | Upgraded positive and precise gear shifting, with friction option |
| Shimano Deore DX 2 finger brake levers | Precise braking control |
| Shimano cartridge B.B. set | Sealed for life - maintenance free |
| Zoom lite stem with lite alloy bars | Maximum strength with minimum weight (515 grams) |
| Ritchey Vantage sport rims | Leightweight performance rim with twin side cavities for extra rigidity (495 grams) |
| Ritchey Megabite hard drive tyres | Performance tyre with new 2.1" width for better traction (630 grams) |
| Comfort system leather gel saddle | Excellent rider comfort |
| Saracens famous tough polyester powder coat finish | Extremely durable knock resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfect componentry setup, double checked before leaving the factory, resulting in the lowest warranty claims in the Industry |
| Hand built 36 x 14G stainless steel spoked wheels | Built tighter and stronger than machine built wheels, resulting in increased rider performance |

# TUFFTRAX

The bike that has left countless imitators following in its tyre tracks. 1992's strict 'back-to-basics' policy shows significant savings in weight, across the componentry. Full oversize Tange cromoly elliptical profile and double butted frame tubing as well as Zoom lite stem with lite alloy bars and Ritchey Vantage sport rims all add strength, but not weight. Ritchey megabite hard drive tyres with 2.1" width for superb climbing traction round off a bike that shares the riding characteristics of more expensive models.

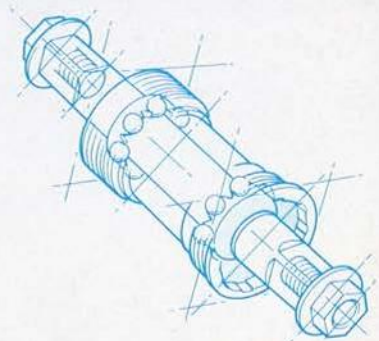


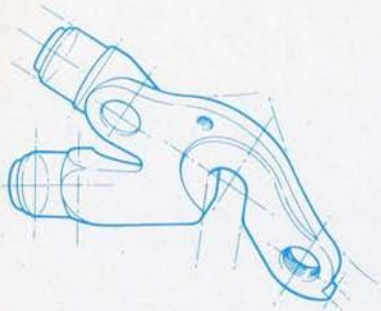
# TUFFTRAX
## ELITE

Shares the Zoom lite stem and lite alloy bars, Ritchey Vantage sport rims and megabite hard drive tyres in common with the Tufftrax. The Tange elliptical frame takes most of the credit for this bike's impressive strength to weight ratio, extra rigidity and reinforcing at major stress points. Upgraded Shimano Deore LX/DX Group Set is also lighter, wears longer and delivers the performance power to defy the elements, the terrain and even gravity.

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano Deore DX/Deore LX group set | Good quality Deore componentry for Off Road use |
| Full oversize Tange cromoly elliptical profile double butted frame | High strength combined with lightness and increased rigidity at tube joints |
| Shimano Deore DX top shifters | Upgraded positive and precise gear shifting, with friction option |
| Shimano Deore DX 2 finger brake levers | Precise braking control |
| Shimano Deore DX cartridge B.B. set | Sealed for life - maintenance free |
| Zoom lite stem with lite alloy bars | Maximum strength with minimum weight (515 grams) |
| Ritchey Vantage sport rims | Lightweight performance rim with twin side cavities for extra rigidity (495 grams) |
| Ritchey Megabite hard drive tyres | Performance tyre with new 2.1" width for better traction (630 grams) |
| Comfort system leather gel saddle | Excellent rider comfort |
| Saracens famous tough polyester powder coat finish | Extremely durable knock resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfe componentry setup, double checked before leaving the factory, resulting in the t warranty claims in the Industry |
| Hand built 36 x 14G stainless steel spoked wheels | Built tighter and onger than machine built wheels, resulting in increased rider performance |

Shimano's New Cartridge Bottom Bracket Set





New Investment Cast Lightweight Rear Dropout

# TRAVERSE

A machine built around the exceptionally light American-made, full oversize True Temper AVR elliptical profile double butted frame tubing. Features Ritchey megabite hard drive Kevlar tyres for maximum traction and by incorporating Kevlar, a synthetic material with the strength properties of steel developed for NASA's space programme, reduces tyre weight for significantly improved climbing and thrilling downhill performance.

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano Deore DX group set | Good quality Deore componentry for Off Road use |
| Full oversize True Temper lightweight elliptical profile double butted frame | All the design advantage of the Tufftrax Elite frame, only lighter and more rigid, by the use of the American made True Temper frame tubing |
| Shimano Deore DX top shifters | Upgraded positive and precise gear shifting, with friction option |
| Shimano Deore DX 2 finger brake levers | Precise braking control |
| Shimano Deore DX cartridge B.B. set | Sealed for life - maintenance free |
| Zoom lite stem with lite alloy bars | Maximum strength with minimum weight (515 grams) |
| Ritchey vantage expert rims | Lightweight performance rim with a double skinned V cross section for increased rigidity (450 grams) |
| Ritchey Megabite hard drive Kevlar tyres | Performance tyre with new 2.1" width for better traction, incorporating Kevlar for weight reduction and strength (575 grams) |
| Comfort system leather gel saddle | Excellent rider comfort |
| Saracens famous tough polyester powder coat finish | Extremely durable knock resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfect componentry setup, double checked before leaving the factory, resulting in the lowest warranty claims in the Industry |
| Hand built 32 x 14G stainless steel spoked wheels | Built tighter and stronger than machine built wheels, resulting in increased rider performance |






# TRAVERSE

## ELITE

Takes the best of the Traverse and upgrades it, adding a Shimano Deore XT Group Set for those who require extensive off-road use and keep coming back for more. The American-made True Temper frame tubing is light but super strong for maximum rider efficiency. Handsome, sleek and ready to race or ride all day, it soaks up the pressures and inspires confidence.

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano Deore XT group set | Excellent quality Deore XT componentry for extensive Off Road use |
| Full oversize True Temper lightweight elliptical profile double butted frame | All the design advantage of the Tufftrax Elite frame, only lighter and more rigid, by the use of the American made True Temper frame tubing |
| Shimano Deore XT top shifters | Upgraded positive and precise gear shifting, with friction option |
| Shimano Deore XT 2 finger brake levers | Precise braking control |
| Shimano Deore XT cartridge B.B. set | Sealed for life - maintenance free |
| Zoom lite stem with lite alloy bars | Maximum strength with minimum weight (515 grams) |
| Ritchey Vantage expert rims | Lightweight performance rim with a double skinned V cross section for increased rigidity (450 grams) |
| Ritchey Megabite hard drive Kevlar tyres | Performance tyre with new 2.1" width for better traction, incorporating Kevlar for weight reduction and strength (575 grams) |
| Comfort system leather gel saddle | Excellent rider comfort |
| Saracens famous tough polyester powder coat finish | Extremely durable knock resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfe[illegible]nponentry setup, double checked before leaving the factory, resulting in the [illegible]st warranty claims in the Industry |
| Hand built 32 x 14G stainless steel spoked wheels | Built tighter an[illegible]onger than machine built wheels, resulting in increased rider performance |

Elliptical Profile Double Butted Frame



# COMPETITION







Left to right: Steve Douce, Paul Stanforth, Jon Walshaw, Mick Ives, Rick Stanforth, Debbie Thompson.

Throwing down the gauntlet at the major national mountain bike events in 1992 will be Saracen's new team of four top-flight professional riders.

The team blends ambition and experience with Steve Douce, seven-times National Cyclo-Cross Champion, Jon Walshaw, one of the country's leading Road and Track riders and Commonwealth Games Medallist, Debby Thompson winner of the 1991 Ladies Expert Series and Mick Ives, as Rider Manager, winner of 30 Open Mountain Bike Events in 1991 and probably the most experienced Racing Cyclist competing in the UK today. All four team members are World Championship competitors.

It's the aim of the team to be ruthless in the pursuit of top honours. Their participation as serious contenders underlines Saracen's success in producing an exceptional range of lighter and stronger machines for 1992, as well as our commitment to the development of the sport.

The machines the Saracen professional Team will be riding are standard production models selected from our range of seven off-road bikes, which all come complete with special features for competition use. Upgraded, to save serious bikers having to add componentry themselves, each bike is equipped to the highest specification and needs no extra modification prior to racing.

In this range, options which can be ordered from your dealer include factory-fitted Rockshox II suspension forks with indexed adjustment and factory-supplied Shimano clipless pedals.




# KILI RACER

The looks and attributes of a competition bike, but far more affordable than most in this class. Hardware includes elevated chainstay design frame for better mud clearance and a shorter rear triangle to increase climbing agility and protect against chainsuck and chainbounce. The ski bend bar ends, which allows the rider to use the alternative hand positions essential for speed climbing, and the Richey Force lite cromoly stem are only usually found in bikes costing much more.

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano Deore DX/Deore LX group set | Good quality Deore componentry for Competition use |
| Full oversize Tange cromoly elliptical profile double butted frame | High strength combined with lightness and increased rigidity at tube joints |
| Elevated chainstay design frame | Increased mud clearance, shorter rear triangle for enhanced climbing, eliminates chain suck and chain bounce |
| Shimano Deore DX top shifters | Upgraded positive and precise gear shifting, with friction option |
| Shimano Deore DX 2 finger brake levers | Precise braking control |
| Shimano Deore DX cartridge B.B. set | Sealed for life - maintenance free |
| Ritchey Force lite cromoly stem | Strong lightweight competition stem (340 grams) |
| Ritchey Force lite alloy bars | Strong lightweight competition bars (180 grams) |
| Ski bend alloy bar ends | Giving alternative hand position especially useful for climbing |
| Ritchey Vantage competition rims | Lightweight competition rim with double skinned V cross section for increased rigidity (415 grams) |
| Ritchey Megabite Z-max tyres | Latest Ritchey competition tyres for ultimate Off Road traction (590 grams) |
| Saracen competition saddle | New lightweight competition saddle |
| Saracens famous tough polyester powder coat finish | Extremely dur[illegible]nock resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfect componentry setup, double checked before leaving the factory, resulting in the l[illegible]st warranty claims in the Industry |
| Hand built 36 x 14 G stainless steel spoked wheels | Built tighter and stronger than machine built wheels, resulting in increased rider performance |

Ritchey Force Lite Cromoly Stem





Onza Alloy Bar Ends

# *KILI PRO*

Built to exacting standards with the inclusion of upgraded components such as a Shimano Deore DX Group Set, Onza alloy bar ends and most significantly, the Magura Hydraulic braking system, which gives you better braking control and increased stopping power available via a lighter, energy-saving finger action. The Kili Pro is recognised as one of the best equipped, value-for-money bikes around.

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano Deore DX group set | Good quality Deore componentry for competition use |
| Full oversize True Temper A.V.R. lightweight elliptical profile double butted frame | All the design advantages of the Kili Racer frame, only lighter and more rigid, by the use of the American made True Temper frame tubing |
| Elevated chainstay design frame | Increased mud clearance, shorter rear triangle for enhanced climbing, eliminates chain suck and chain bounce |
| Shimano Deore DX top shifters | Upgraded positive and precise gear shifting, with friction option |
| Shimano Deore DX cartridge B.B. set | Sealed for life - maintenance free |
| Magura Hydraulic braking system | Ultimate stopping power with light finger action, resulting in less rider fatigue and increased braking control |
| Ritchey Force lite cromoly stem | Strong lightweight competition stem (340 grams) |
| Ritchey Force lite alloy bars | Strong lightweight competition bars (180 grams) |
| Onza alloy bar ends | Giving alternative hand position especially useful for climbing |
| Ritchey Vantage competition rims | Lightweight competition rim with a double skinned V cross section for increased rigidity (415 grams) |
| Ritchey Megabite Z-max tyres | Latest Ritchey competition tyres for ultimate Off Road traction (590 grams) |
| Saracen competition saddle | New lightweight competition saddle |
| Saracens famous tough polyester powder coat finish | Extremely durable knock resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfect componentry setup, double checked before leaving the factory, resulting in the lowest warranty claims in the Industry |
| Hand built 32 x 14-16 G double butted stainless steel spoked wheels | Built tighter and stronger than machine built wheels, resulting in decreased revolving weight and increased rider performance |





# KILI FLYER

Few of its rivals are as well established or as well developed. No stranger to competition circles, it's elevated chainstay design improves performance and it comes complete with a full oversize True Temper AVR lightweight elliptical profile double butted frame which is lighter and more rigid than standard designs. For the ultimate in off-road traction in any conditions we've added Ritchey Megabite Z-max WCS Kevlar tyres, the WCS Kevlar version of Ritchey's latest competition tyre. Frequent users will benefit from the quality of the Shimano Deore XT Group Set.
Thrives on adrenalin.

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano Deore XT group set | Excellent quality Deore XT componentry for extensive competition use |
| Full oversize True Temper A.V.R. lightweight elliptical profile double butted frame | All the design advantages of the Kili Racer frame, only lighter and more rigid, by the use of the American made True Temper frame tubing |
| Elevated chainstay design frame | Increased mud clearance, shorter rear triangle for enhanced climbing, eliminates chain suck and chain bounce |
| Shimano Deore XT top shifters | Upgraded positive and precise gear shifting, with friction option |
| Shimano Deore XT cartridge B.B .set | Sealed for life - maintenance free |
| Magura Hydraulic braking system | Ultimate stopping power with light finger action, resulting in less rider fatigue and increased braking control |
| Ritchey Force Competition lite cromoly stem | Lightest and strongest competition stem available, constructed from heat treated thin wall cromoly, weighs only 290 grams |
| Ritchey Prolite alloy bars | Lightweight, good shock absorption, durable construction, weighs only 140 grams |
| Onza alloy bar ends | Giving alternative hand position especially useful for climbing |
| Ritchey Vantage Pro W.C.S. rims | Ultra lightweight competition rim with double skinned V cross section for increased rigidity, weighs only 395 grams |
| Ritchey Megabite Z-max W.C.S. Kevlar tyres | Lightweight World Champion Series Kevlar version of Ritcheys latest competition tyre for ultimate Off Road traction, weighs only 550 grams |
| Saracen competition saddle | New lightweight competition saddle |
| Saracens famous tough polyester powder coat finish | Extremely durable chip resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfect componentry setup, double checked before leaving the factory, resulting in the lowest warranty claims in the Industry |
| Hand built 32 x 14-16 G double butted stainless steel spoked wheels | Built tighter and stronger than machine built wheels, resulting in decreased revolving weight and increased rider performance |

Magura Hydraulic Braking System





Tange New Lite Strut Fork

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano Deore XTR group set | Shimano's new for 1992 top of the line component group |
| Full oversize True Temper OX Ultra II heat treated cromoly double butted frame | All the design benefit of the Kili Racer frame, only made with the ultimate lightweight, heat treated, thin wall American made True Temper tubing |
| Tange new lite strut fork | Lightweight construction. Increased mud clearance |
| Elevated chain stay design | Increased mud clearance, shorter rear triangle for enhanced climbing, eliminates chain suck and chain bounce |
| Shimano XTR cartridge B.B. set | Sealed for life - maintenance free |
| Shimano S.P.D. clipless pedal | Ultimate solution for positive pedalling action |
| Shimano 8 -speed new trigger shift | Positive 8 - speed shifting |
| Ritchey Force competition lite cromoly stem | Lightest and strongest competition stem available, constructed from heat treated thin wall cromoly and weighs only 290 grams |
| Ritchey Prolite W.C.S. alloy bars | World Championship Series version, lightweight, good shock absorption, durable butted construction, weighs only 123 grams |
| Onza alloy bar ends | Giving alternative hand position especially useful for climbing |
| Ritchey Vantage Pro W.C.S. rims | Ultra lightweight competition rim with double skinned V cross section for increased rigidity, weighs only 395 grams |
| Ritchey Force racing K W.C.S. Kevlar tyres | World Champion Series Kevlar version making it the Worlds lightest full width M.T.B. tyre at only 465 grams |
| Saracen competition titanium saddle | Ultra lightweight competition saddle with titanium rails, weighs only 200 grams |
| Saracens famous tough polyester powder coat finish | Extremely durable knock resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfect componentry setup, double checked before leaving the factory, resulting in the lowest warranty claims in the Industry |
| Hand built 32 x 14-16 G double butted stainless steel spoked wheels | Built tighter and stronger than machine built wheels, resulting in decreased revolving weight and increased rider performance |

# *KILI* XTR

One of the best equipped bikes on the market. Push it to the limit. Its full size True Temper OX Ultra II cromoly double butted frame is the ultimate in lightweight heat treated, thin wall American-made tubing. Precise front end handling is courtesy of the Tange new lite Strut fork. The Shimano Deore XTR Group Set, new from Shimano for 1992, offers top of the range 24-speed gearing and is included to give the rider more options and greater flexibility. Ritchey Force Racing K. WCS Kevlar tyres, the world's lightest full width MTB tyre, together with Ritchey Vantage Pro WCS rims, the ultra lightweight competition rim. A very lightweight package.





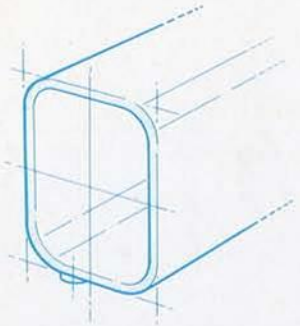
# KILI ULTRA

The ultimate competition bike and top cromoly bike in the range. This is a bike with a mission. The race-proven componentry features the outstanding Campagnolo Record OR Group Set, new for 1992 and a top-of-the-line group set from one of the most famous names in high quality racing component production. A full range of Ritchey WCS components and Saracen ultra lightweight competition titanium saddle, with titanium rails, saves every precious gram resulting in superb acceleration which leaves lesser bikes standing. The best there is, it exceeds the standards of even the top competition riders.

| Outstanding Features | Rider Benefits |
|---|---|
| Campagnolo record O.R. group set | Campagnolo new for 1992 top of the line component group set |
| Full oversize True Temper OX Ultra II heat treated cromoly double butted frame | All the design benefit of the Kili Racer frame, only made with the ultimate lightweight, heat treated, thin wall American made True Temper tubing |
| Tange new lite strut fork | Lightweight construction. Increased mud clearance |
| Elevated chain stay design | Increased mud clearance, shorter rear triangle for enhanced climbing, eliminates chain suck and chain bounce |
| Campagnolo record cartridge B.B. set | Sealed for life - maintenance free |
| Campagnolo look system clipless pedals | Ultimate solution for positive pedalling action |
| Campagnolo record 8 - speed new top shifters | Positive and precise gear shifting action |
| Ritchey Force competition lite cromoly stem | Lightest and strongest competition stem available, constructed from heat treated thin wall cromoly, weighs only 290 grams |
| Ritchey Prolite W.C.S. alloy bars | World Championship Series version, lightweight, good shock absorption, durable butted construction, weighs only 123 grams |
| Onza alloy bar ends | Giving alternative hand position especially useful for climbing |
| Campagnolo Stheno rims | Top line Campagnolo double skinned competition rim |
| Ritchey Force racing K W.C.S. Kevlar tyres | World Champion Series Kevlar version making it the Worlds lightest full width M.T.B. tyre at only 465 grams |
| Saracen competition titanium saddle | Ultra lightweight competition saddle with titanium rails, weighs only 200 grams |
| Saracens famous tough polyester powder coat finish | Extremely durable scratch resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfect componentry setup, double checked before leaving the factory, resulting in the lowest warranty claims in the Industry |
| Hand built 32 x 14-16 G double butted stainless steel spoked wheels | Built tighter and stronger than machine built wheels, resulting in decreased revolving weight and increased rider performance |

Saracen Competition Titanium Saddle





Aluminium Quad Profile Tubing

# *CONQUEST*

Alloy construction machines are lighter than their cromoly counterparts. The full oversize 7005 series is a quad profile tube construction combined with ultra lightweight heat treated aluminium, for an extremely stiff lightweight frame. A Magura Hydraulic braking system is incorporated to stop you with authority and the light finger action means fatigue is never a factor. Max Switch Cromoly Super Lite forks complete the details of a bike that is one of the most responsive in its class.

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano Deore DX group set | Good quality Deore componentry for Competition use |
| Full oversize 7005 series heat treated aluminium quad profile tubing | Quad profile tube construction combined with ultra lightweight, heat treated aluminium, resulting in an extremely stiff lightweight frame |
| Elevated chainstay design | Increased mud clearance, shorter rear triangle for enhanced climbing, eliminates chain suck and chain bounce |
| Shimano Deore DX top shifters | Upgraded positive and precise gear shifting, with friction option |
| Shimano Deore DX cartridge B.B. set | Sealed for life - maintenance free |
| Magura hydraulic braking system | Ultimate stopping power with light finger action, resulting in less rider fatigue and increased braking control |
| Ritchey Force competition lite cromoly stem | Lightest and strongest competition stem available, constructed from heat treated thin wall cromoly, weighs only 290 grams |
| Ritchey Prolite alloy bars | Lightweight, good shock absorption, durable construction, weighs only 140 grams |
| Onza alloy bar ends | Giving alternative hand position especially useful for climbing |
| Ritchey Vantage Pro W.C.S. rims | Ultra lightweight competition rim with double skinned V cross section for increased rigidity, weighs only 395 grams |
| Ritchey Megabite Z-Max W.C.S. Kevlar tyres | Lightweight World Champion Series Kevlar version of Ritcheys latest competition tyre, for ultimate Off Road traction weighs only 550 grams |
| Saracen competition saddle | New lightweight competition saddle |
| Saracens famous tough polyester powder coat finish | Extremely durable knock resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfect componentry setup, double checked before leaving the factory, resulting in the lowest warranty claims in the Industry |
| Hand built 32 x 14-16 G double butted stainless steel spoked wheels | Built tighter and stronger than machine built wheels, resulting in decreased revolving weight and increased rider performance |






# CONQUEST

## ELITE

Features an upgraded Shimano Deore XT Group Set combined with a full range of Ritchey WCS components, including Vantage Pro WCS ultra lightweight competition rims with double skinned V cross section for increased rigidity and Ritchey Megabite Z-Max WCS Kevlar tyres for incomparable off-road traction, making it a bike that relishes the challenge of off-road riding.

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano Deore XT group set | Excellent quality Deore XT componentry for extensive Competition use |
| Full oversize 7005 series heat treated aluminium quad profile tubing | Quad profile tube construction combined with ultra lightweight, heat treated aluminium, resulting in an extremely stiff lightweight frame |
| Elevated chainstay design frame | Increased mud clearance, shorter rear triangle for enhanced climbing, eliminates chain suck and chain bounce |
| Shimano Deore XT top shifters | Upgraded positive and precise gear shifting, with friction option |
| Shimano Deore XT cartridge B.B. set | Sealed for life - maintenance free |
| Magura hydraulic braking system | Ultimate stopping power with light finger action, resulting in less rider fatigue and increased braking control |
| Ritchey Force competition lite cromoly stem | Lightest and strongest competition stem available, constructed from heat treated thin wall cromoly, weighs only 290 grams |
| Ritchey Prolite alloy bars | World Championship Series version lightweight, good shock absorption, durable butted construction, weighs only 123 grams |
| Onza alloy bar ends | Giving alternative hand position especially useful for climbing |
| Ritchey Vantage Pro W.C.S. rims | Ultra lightweight competition rim with double skinned V cross section for increased rigidity, weighs only 395 grams |
| Ritchey Megabite Z-Max W.C.S. Kevlar tyres | Lightweight World Champion Series Kevlar version of Ritcheys latest competition tyre, for ultimate Off Road traction weighs only 550 grams |
| Saracen competition titanium saddle | Ultra lightweight competition saddle with titanium rails, weighs only 200 grams |
| Saracens famous tough polyester powder coat finish | Extremely durable shock resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfect componentry setup, double checked before leaving the factory, resulting in the lowest warranty claims in the Industry |
| Hand built 32 x 14-16 G double butted stainless steel spoked wheels | Built tighter and stronger than machine built wheels, resulting in decreased revolving weight and increased rider performance |

Max Switch Cromoly Super Lite Forks



*HYBRIDS*

*A relatively new breed of versatile transport with all the advantages of a road bike and enough mountain bike pedigree to keep its off-road integrity. Ideal multi-purpose urban machine for those who spend more time on the tarmac commuting than in the mud competing.*

# CROSSTRAX

The hybrid for a rider who needs a lightweight, comfortable bike for transport as much as recreation. The Gripshift has been refined for 1992 with a new gear shifting system for simple and smooth operation. Avocet cross tyres with inverted tread patterns offer a smoother ride with low rolling resistance round town and good grip for off-road riding. The wishbone-style Tange Infinity Cromoly frame's narrower tubing reduces weight. Carrier bosses are supplied, front and back, for touring. Allen key seat bolt fitted to meet the greater security demands of urban areas.

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano new 200 CX group set | New for 1992 good quality components for Hybrid bikes |
| Wishbone style standard size Tange Infinity cromoly double butted frame | Lightened design Hybrid frame, for more response on road use, but with full Off Road capabilities (clearance for 1.75" Knoblies) |
| Gripshift new gear shifting system | Refined for 1992, very simple smooth operation ideal for hybrid bikes |
| Shimano cartridge B.B. set | Sealed for life - maintenance free |
| Alesa alloy rims | Lightweight and strong rims |
| Avocet cross tyres | Inverted tread pattern gives a smooth ride, with low rolling resistance on the road, and good grip for recreational Off Road riding |
| Comfort system gel saddle | Excellent rider comfort |
| Saracens famous tough polyester powder coat finish | Extremely durable knock resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfect componentry setup, double checked before leaving the factory, resulting in the lowest warranty claims in the Industry |
| Hand built 36 x 14G rustless steel spoked wheels | Built tighter and stronger than machine built wheels, resulting in increased rider performance |





# FASTRAX

All-purpose practical hybrid designed to excel in all types of cycling. The Shimano 30-40-50 chain set with round rings combined with a Shimano Deore DX 7 speed 12-28 rear wheel cassette offers higher gearing for energy efficient peddling on the road. New for 1992 is the high quality Shimano 500 CX Group Set, developed specifically for Hybrids. All round top quality components unite for a bike that's light and lively but sturdy enough for multi-sport off-road use.

| Outstanding Features | Rider Benefits |
|---|---|
| Shimano new 500 CX group set | New for 1992 good quality components for Hybrid bikes |
| Wishbone style standard size Tange Infinity cromoly double butted frame | Lightened design Hybrid frame, for more response on road use, but with full Off Road capabilities (clearance for 1.75" Knoblies) |
| Gripshift new gear shifting system | Refined for 1992, very simple smooth operation ideal for hybrid bikes |
| Shimano 30-40-50 chain set with round rings | New higher gearing for on road use |
| Shimano cartridge B.B. set | Sealed for life - maintenance free |
| Ritchey Vantage cross rims | Ritchey Vantage Sport rim weighs 450 grams |
| Avocet cross tyres | Inverted tread pattern gives a smooth ride, with low rolling resistance on the road, and good grip for recreational Off Road riding |
| Comfort system gel saddle | Excellent rider comfort |
| Saracens famous tough polyester powder coat finish | Extremely durable knock resistant finish that doesn't flake if scratched |
| Hand Built Quality | Ensures perfect componentry setup, double checked before leaving the factory, resulting in the lowest warranty claims in the Industry |
| Hand built 36 x 14G rustless steel spoked wheels | Built tighter and stronger than machine built wheels, resulting in increased rider performance |

Gripshift - New Gear Shifting System



# SPECIFICATION

| | | SAHARA | SAHARA ELITE | TUFFTRAX | TUFFTRAX ELITE | TRAVERSE | TRAVERSE ELITE |
|---|---|---|---|---|---|---|---|
| | MODEL | SAHARA | SAHARA ELITE | TUFFTRAX | TUFFTRAX ELITE | TRAVERSE | TRAVERSE ELITE |
| | WEIGHT | 13.5 Kilo (29.75lbs) | 13.5 Kilo (29.75lbs) | 13.15 Kilo (28.95lbs) | 12.8 Kilo (28.25lbs) | 12.25 Kilo (26.95 lbs) | 11.9 Kilo (26.25lbs) |
| | COLOUR | Red or Turquoise | Black | Metallic Blue | Metallic Graphite | Metallic Purple | Metallic Black |
| | SIZES | 14.5" 16" 18" 20" 22" | 14.5" 16" 18" 20" 22" | 16" 18" 20" 22" | 16" 18" 20" 22" | 15.5" 17.5" 19.5" | 15.5" 17.5" 19.5" |
| FRAME SET | FRAME | Tange MTB. cromoly double butted main tubes: oversize head tubes (S) | Tange MTB. cromoly double butted oversize frame tubes (S) | Tange MTB. elliptical profile cromoly double butted oversize frame tubes (S) | Tange MTB. elliptical profile cromoly double butted oversize frame tubes (S) | True Temper A.V.R. elliptical profile cromoly double butted oversize frame tubes (S) | True Temper A.V.R. elliptical profile cromoly double butted oversize frame tubes (S) |
| FRAME SET | FORKS | Max Drive cromoly lite | Max Drive cromoly lite | Max Drive cromoly lite | Max Drive cromoly lite | Super Max Drive cromoly super lite | Super Max Drive cromoly super lite |
| FRAME SET | HEADSET | Tioga Avenger 1.125" o'size | Tioga Avenger 1.125" o'size | Tioga Avenger 1.125" o'size | Tioga Avenger 1.125" o'size | Ritchey Logic 1.125" o'size | Ritchey Logic 1.125" o'size |
| FRAME SET | HEAD TUBE ANGLE | 71 degrees | 71 degrees | 71 degrees | 71 degrees | 71 degrees | 71 degrees |
| FRAME SET | SEAT TUBE ANGLE | 74 degrees | 74 degrees | 74 degrees | 74 degrees | 74 degrees | 74 degrees |
| FRAME SET | CHAINSTAY LENGTH | 435 mm (17") | 425 mm (16.73") | 425 mm (16.73") | 425 mm (16.73") | 425 mm (16.73") | 425 mm (16.73") |
| FRAME SET | TOP TUBE LENGTH | 550 mm (21.65") | 550 mm (21.65") | 550 mm (21.65") | 550 mm (21.65") | 545 mm (21.45") | 545 mm (21.45") |
| FRAME SET | FORK RAKE | 45 mm (1.77") | 45 mm (1.77") | 45 mm (1.77") | 45 mm (1.77") | 45 mm (1.77") | 45 mm (1.77") |
| FRAME SET | B.B. HEIGHT | 285 mm (11.24") | 285 mm (11.24") | 285 mm (11.24") | 285 mm (11.24") | 295 mm (11.63") | 295 mm (11.63") |
| FRAME SET | WHEELBASE | 1055 mm (41.53") | 1046 mm (41.18") | 1047 mm (41.22") | 1047 mm (41.22") | 1050 mm (41.34") | 1050 mm (41.34") |
| DRIVE TRAIN | CHAINSET | Shimano 200 G.S. 28-38-48 B.P. | Shimano 300 LX 28-38-48 B.P. | Shimano 400 LX 28-38-48 B.P. | Shimano Deore LX 24-36-46 round rings | Shimano Deore DX 24-36-46 round rings | Shimano Deore XT 24-36-46 round rings |
| DRIVE TRAIN | B.B. SET | Shimano Exage CS 20 Cartridge | Shimano Exage CS 20 Cartridge | Shimano Exage CS20 cartridge | Shimano Deore DX UN 50 cartridge | Shimano Deore DX UN 50 cartridge | Shimano Deore XT UN 70 cartridge |
| DRIVE TRAIN | CHAIN | Shimano 200 GS | Shimano 300 LX | Shimano 400 LX | Shimano Deore | Shimano Deore DX | Shimano Deore XT |
| DRIVE TRAIN | PEDALS | Shimano Exage | Victor Low Profile with Saracen ATB toe clips & straps | Victor low profile with Saracen ATB toe clips & straps | Victor Low Profile with Saracen ATB toe clips & straps | Victor Lube system (330 grams per pair) with Saracen ATB toe clips & straps | Victor Super Lite (260 grams per pair) with Saracen ATB toe clips & straps |
| GEAR SYSTEM | F/R DERAILLEURS | Shimano 200 GS STI | Shimano 300 LX | Shimano 400 LX | Shimano Deore LX | Shimano Deore DX | Shimano Deore XT |
| GEAR SYSTEM | SHIFT LEVERS | Shimano 200 GS STI Rapidfire | Shimano Deore DX Top Shift | Shimano Deore DX Top Shift | Shimano Deore DX Top Shift | Shimano Deore DX Top Shift | Shimano Deore XT Top Shift |
| BRAKE SYSTEM | BRAKES | Shimano Exage low profile | Shimano Exage low profile | Shimano Deore low profile | Shimano Deore low profile | Shimano Deore Low Profile | Shimano Deore XT low profile |
| BRAKE SYSTEM | LEVERS | Shimano Exage 3 finger | Shimano Deore DX 2 finger | Shimano Deore DX 2 finger | Shimano Deore DX 2 finger | Shimano Deore DX 2 finger | Shimano Deore XT 2 finger |
| WHEELS | RIMS | Alesa Alloy | Saracen hard black anodised alloy | Ritchey Vantage Sport (495 grams) | Ritchey Vantage Sport (495 grams) | Ritchey Vantage Expert (450 grams) | Ritchey Vantage Expert (450 grams) |
| WHEELS | HUBS | Shimano Exage Quick Release | Shimano Exage quick release | Shimano Exage quick release | Shimano Deore LX quick release | Shimano Deore DX quick release 32 hole | Shimano Deore XT quick release 32 hole |
| WHEELS | SPOKES | 14G rustless | 14G rustless | 14G stainless | 14G stainless | 14G stainless | 14G stainless |
| WHEELS | CASSETTE | Shimano 500 LX7 7-speed 13-28 | Shimano 500 LX 7-speed 13-28 | Shimano 500 LX 7-speed 13-28 | Shimano Deore DX 7-speed 12-28 | Shimano Deore DX 7-speed 12-28 | Shimano Deore XT 7-speed 12-28 |
| WHEELS | TYRES | Tioga Wonder Dawg 26 x 1.95" | Tioga Wonder Dawg 26" x 1.95" | Ritchey Megabite Hard Drive 26 x 2.1" (630 grams) | Ritchey Megabite Hard Drive 26 x 2.1" (630 grams) | Ritchey Megabite Hard Drive Kevlar bead 26 x 2.1" (575 grams) | Ritchey Megabite Hard Drive Kevlar bead 26 x 2.1" (575 grams) |
| BAR SYSTEM | BARS | Saracen Alloy | Saracen alloy | Saracen lite alloy (250 grams) | Saracen Lite Alloy (250 grams) | Saracen lite alloy (250 grams | Saracen lite alloy (250 grams) |
| BAR SYSTEM | STEM | Saracen cromoly | Saracen cromoly with internal cable | Zoom lite cromoly (265 grams) | Zoom lite cromoly (265 grams) | Zoom lite cromoly (265 grams) | Zoom lite cromoly (265 grams) |
| BAR SYSTEM | GRIPS | Tioga Biogrip | Tioga Biogrip | Tioga Biogrip | Tioga Biogrip | Tioga Biogrip | Tioga Biogrip |
| SEAT SYSTEM | SADDLE | Saracen Comfort System | Saracen Comfort System Gel | Saracen Comfort System Gel Leather | Saracen Comfort System Gel leather | Saracen Comfort System Gel leather | Saracen Comfort System Gel leather |
| SEAT SYSTEM | SEATPOST | racen cromoly micro adjust | Saracen cromoly micro adjust | Saracen alloy super lite adjust (260 grams) | Saracen alloy super lite micro adjust (260 grams) | Saracen alloy super lite micro adjust (260 grams) | Saracen alloy super lite micro adjust (260 grams) |

Key

1 (S) denotes sloping top tube design

2 Angles given are those based on a notional straight top tube (17.5/18" size)

3 Frame sizes are measured from centre of bottom bracket to centre point of top tube along the seat tube.

4 Weight will vary according to size.

| KILI RACER | KILI PRO | KILI FLYER | KILI XTR | KILI ULTRA | CONQUEST | CONQUEST ELITE | CROSSTRAX | FASTRAX |
|---|---|---|---|---|---|---|---|---|
| 13.15 Kilo (28.95lbs) | 12.7 Kilo (27.95 lbs) | 12.6 Kilo (27.75 lbs) | 12 Kilo (26.5 lbs) | 11.75 Kilo (25.95 lbs) | 12.35 Kilo (27.25lbs) | 12.25 Kilo (26.95 lbs) | 12.25 Kilo (26.95 lbs) | 12.25 Kilo (26.95 lbs) |
| Red | Metallic Black | Metallic Purple | Titanium | Metallic Green | Metallic Silver | Metallic Graphite | Red | Metallic Black |
| 15.5" 17.5" 19.5" | 15.5" 17.5" 19.5" | 15.5" 17.5" 19.5" | 15.5" 17.5" 19.5" | 15.5" 17.5" 19.5" | 15.5" 17.5" 19.5" | 15.5" 17.5" 19.5" | 16" 18" 20" 22" | 16" 18" 20" 22" |
| Tange elliptical profile cromoly double butted oversize frame tubes elevated chainstay design (S) | True Temper AVR elliptical profile cromoly double butted oversize frame tubes elevated chainstay design (S) | True Temper A.V.R. elliptical profile cromoly double butted oversize frame tubes elevated chainstay designn (S) | True Temper OX ultra II heat treated Elliptical profile cromoly double butted oversize frame tubes elevated chainstay design (S) | True Temper OX ultra II heat treated Elliptical profile cromoly double butted oversize frame tubes elevated chainstay design (S) | 7005 series heat treated aluminium Quad profile tubing elevated chainstay design (S) | 7005 series heat treated aluminium Quad profile tubing elevated chainstay design (S) | Wishbone style frame in Tange Infinity cromoly tapered double butted frame tubes | Wishbone style frame in Tange Infinity cromoly tapered double butted main frame tubes |
| Max Drive cromoly lite | Super Max Drive cromoly super lite | Super Max Drive cromoly super lite | Max Strut cromoly super lite | Max Strut cromoly super lite | Max Switch cromoly super lite | Max Switch cromoly super lite | Hybrid style cromoly, low rider bosses | Hybrid style cromoly, low rider bosses |
| Ritchey Logic comp 1.125" o'size | Ritchey Logic comp 1.125" o'size | Ritchey Logic comp 1.125" o'size | Shimano XTR 1.125" oversize | Campagnolo Record 1.125" o'size | Ritchey Logic comp 1.125" o'size | Ritchey Logic comp 1.125" o'size | Shimano Exage 1" | Shimano Exage 1" |
| 71 degrees | 71 degrees | 71 degrees | 71 degrees | 71 degrees | 71 degrees | 71 degrees | 73 degrees | 73 degrees |
| 73 degrees | 74 degrees | 74 degrees | 74 degrees | 74 degrees | 73 degrees | 73 degrees | 73 degrees | 73 degrees |
| 425 mm (16.73") | 419 mm (16.5") | 419 mm (16.5") | 419 mm (16.5") | 419 mm (16.5") | 419 mm (16.5") | 419 mm (16.5") | 425 mm (16.73") | 425 mm (16.73") |
| 560 mm (22.05") | 545 mm (21.45") | 545 mm (21.45") | 545 mm (21.45") | 545 mm (21.45") | 540 mm (21.26") | 540 mm (21.26") | 565 mm (22.24") | 565 mm (22.24") |
| 45 mm (1.77") | 45 mm (1.77") | 45 mm (1.77") | 45 mm (1.77 ") | 45 mm (1.77") | 44 mm (1.75 ") | 44 mm (1.75") | 45 mm (1.77") | 45 mm (1.77") |
| 295 mm (11.63") | 295 mm (11.63") | 295 mm (11.63") | 295 mm (11.63") | 295 mm (11.63") | 296 mm (11.67") | 296 mm (11.67") | 286 mm (11.28") | 286 mm (11.28") |
| 1050 mm (41.34") | 1044 mm (41.1") | 1044 mm (41.1") | 1044 mm (41.1") | 1044 mm (41.1") | 1074 mm (42.28") | 1074 mm (42.28") | 1073 mm (44.24") | 1073 mm (42.24") |
| Shimano Deore LX 24-36-46 round rings | Shimano Deore DX 24-36-46 round rings | Shimano Deore XT 24-36-46 round rings | Shimano XTR 26-36-48 round rings | Campagnolo Record 20-30-42 micro round rings | Shimano Deore DX 24-36-46 round rings | Shimano Deore XT 24-36-46 round rings | Shimano 200 CX 28-38-48 B.P. | Shimano 500 CX 30-40-50 round rings |
| Shimano Deore DX UN 50 cartridge | Shimano Deore DX UN 50 cartridge | Shimano Deore XT UN 70 cartridge | Shimano XTR UN 90 cartridge | Campagnolo Record cartridge | Shimano Deore DX UN 50 cartridge | Shimano Deore XT UN 70 cartridge | Shimano Exage CS10 cartridge | Shimano Exage CS20 cartridge |
| Shimano Deore DX | Shimano Deore DX | Shimano Deore XT | Shimano XTR | Campagnolo Record | Shimano Deore DX | Shimano Deore XT | Shimano 200 CX | Shimano 500 CX |
| Victor Lube system (330 grams per pair) with Saracen ATB toe clips & straps | Victor Super Lite System (260 grams per pair) with Saracen ATB toe clips & straps | Victor Super Lite system (260 grams per pair) with Saracen ATB toe clips & straps | Shimano S.P.D. M737 clipless | Campagnolo Centaur clipless | Victor Super Lite system (260 grams per pair) with Saracen ATB toe clips & straps | Victor Super Lite system (260 grams per pair) with Saracen ATB toe clips & straps | Victor Cross with Saracen hybrid toe clips & straps | Victor low profile with Saracen hyrid toe clips & straps |
| Shimano Deore LX | Shimano Deore DX | Shimano XT | Shimano XTR | Campagnolo Record | Shimano Deore DX | Shimano Deore XT | Shimano 200 CX | Shimano 500 CX |
| Shimano Deore DX Top Shift | Shimano Deore DX Top Shift | Shimano XT Top Shift | Shimano XTR Trigger Shift | Campagnolo Record Top Shift | Shimano Deore DX Top Shift | Shimano Deore XT Top Shift | Gripshift | Gripshift |
| Shimano Deore low profile | Magura hydraulic brakes with quick release | Magura hydraulic brakes with quick release | Shimano XTR low profile | Campagnolo Record | Magura hydraulic brakes with quick release | Magura hydraulic brakes with quick release | Shimano 200 CX low profile | Shimano Deore low profile |
| Shimano Deore DX 2 finger | Magura hydraulic 2 finger | Magura hydraulic 2 finger | Shimano XTR 2 finger | Campagnolo Record 2 finger | Magura hydraulic 2 finger | Magura hydraulic 2 finger | Shimano Exage 3 finger | Shimano Deore DX 2 finger |
| Ritchey Vantage comp (415 grams) | Ritchey Vantage comp (415 grams) | Ritchey Vantage Pro W.C.S. (395 grams) | Ritchey Vantage Pro W.C.S. (395 grams) | Campagnolo Stheno | Ritchey Vantage Pro W.C.S. (395 grams) | Ritchey Vantage Pro W.C.S. (395 grams) | Ritchey Vantage Cross Sport (450 grams) | Ritchey Vantage Cross sport (450 grams) |
| Shimano Deore LX quick release | Shimano Deore DX quick release 32 hole | Shimano Deore XT quick release 32 holes | Shimano XTR quick release 32 hole | Campagnolo Record quick release 32 hole | Shimano Deore DX quick release 32 hole | Shimano Deore XT quick release 32 hole | Shimano Exage quick release | Shimano Exage quick release |
| 14G stainless | 14-16G double butted stainless | 14-16G double butted stainless | 14-16G double butted stainless | 14-16G double butted stainless | 14-16G double butted stainless | 14-16G double butted stainless | 14G rustless | 14G stainless |
| Shimano Deore DX 7-speed 12-28 | Shimano Deore DX 7-speed 12-28 | Shimano Deore DX 7- speed 12-28 | Shimano XTR 8-speed 12-28 Super Lite | Campagnolo Record 8-speed 11-23 Close Ratio | Shimano Deore DX 7-speed 12-28 | Shimano Deore XT 7- speed 12-28 | Shimano Deore DX 7-speed 12-28 | Shimano Deore DX 7- speed 12-28 |
| Ritchey Megabite Z-Max 26 x 2.1" (590 grams) | Ritchey Megabite Z-Max 26" x 2.1" (590 grams) | Ritchey Megabite Z-Max W.C.S. Kevlar Bead 26 x 2.1" (550 grams) | Ritchey Force Racing K W.C.S. Kevlar bead 26 x 1.9" (465 grams) | Ritchey Force Racing K W.C.S. Kevlar bead 26 x 1.9" (465 grams) | Ritchey Megabite Z-Max W.C.S. Kevlar bead 26 x 2.1" (550 grams) | Ritchey Megabite Z-Max W.C.S. Kevlar bead 26 x 2.1" (550 grams) | Avocet Cross 26 x 1.5" | Avocet Cross 26 x 1.5" |
| Ritchey Force lite (180 grams) with lite alloy bar ends | Ritchey Force lite (180 grams) with Onza bar ends | Ritchey Prolite alloy (140 grams) with Onza bar ends | Ritchey Prolite W.C.S. alloy (123 grams) with Onza bar ends | Ritchey Prolite W.C.S. alloy (123 grams) with Onza bar ends | Ritchey Prolite Alloy (140 grams) with Onza bar ends | Ritchey Prolite W.C.S. alloy (123 grams) with Onza bar ends | Saracen lite alloy (250 grams) | Saracen lite alloy (250 grams) |
| Ritchey Force lite cromoly (340 grams) | Ritchey Forece lite Cromoly (340 grams) | Ritchey Force competition lite cromoly (290 grams) | Ritchey Force comp lite cromoly (290 grams) | Ritchey Force Comp lite cromoly (290 grams) | Ritchey Force competition lite cromoly (290 grams) | Ritchey Force comp lite cromoly (290 grams) | Saracen cromoly hybrid | Saracen cromoly hybrid |
| Grab on | Grab on | Grab on | Grab on | Grab on | Grab on | Grab on | Grip shift | Grip shift |
| Saracen comp leather | Saracen comp leather | Saracen comp leather | Saracen comp titanium leather (200 grams) | Saracen comp titanium leather (200 grams) | Saracen comp leather | Saracen comp titanium leather (200 grams) | Saracen Comfort System Gel | Saracen Comfort System Gel |
| Saracen alloy super lite micro adjust (260 grams) | Saracen alloy super lite micro adjust (260 grams) | Saracen alloy super lite micro adjust (260 grams) | Saracen [illegible] super lite micro adjust (260 gr[illegible] | Campagnolo Icarus super lite micro adjust (260 grams) | Saracen alloy super lite micro adjus[illegible] (260 grams) | [illegible]aracen alloy super lite micro [illegible]just (260 grams) | Saracen micro adjust (260 grams) | Saracen micro adjust (260 grams) |

## Warranty

Saracen Cycles has an excellent non-return record due to 100% of all our components being assembled in our workshops prior to delivery to the retailer. This permits us to offer you the following comprehensive Warranty:

Saracen Cycles Ltd warrants the replacement of original components of Saracen Mountain Bikes due to defects in material and/or workmanship according to the following conditions and limitations: The frame and fork are warranted for a period of 5 years (in the case of suspension forks, 1 year). The original components, other than the frame and fork, are warranted for a period of 1 year (labour and transportation charges are not included). The warranty is limited to the original retail purchaser only and proof of purchase is required to validate this warranty.

The Warranty does not cover damage or failure due to abuse, neglect, accident, improper assembly, maintenance or commercial hiring, normal wear and tear or installation of parts or accessories not originally intended or incompatible with the bicycle as sold.

Saracen Cycles Ltd shall not be responsible for incidental or consequential damage or loss. The user assumes the risk for any and all personal injury or damage of the bicycle, or other losses if Saracen bicycles are used at any time in any competitive event (including bicycle racing, dirt biking, freestyling or similar activities or training for such activities).

Claims must be made through an authorised dealer.

**Saracen Cycles' policy is one of continuous improvement; therefore specifications may be change, without prior notice.**

**Mountain bikes although tough are not indestructible. Excessively rough use may result in damage to your machine or you - take care and always wear an approved helmet. Optimum riding performance depends on having your bike serviced regularly at your Saracen dealer.**



Pictured at our Warwickshire headquarters is the 1992 Saracen workforce. From the accounts department to the salesmen, technical staff and mechanics, every member of the entire team has had a significant role in the production of this year's exceptional mountain bike range.

## Your Local Saracen Dealer

RetroBIKE
If it's Old School It's in
Retro, Vintage and Classic Mountain, Road and BMX bikes

SARACEN

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