

★  
**Orange**



**A**  
COMMITMENT  
TO THE  
COMMITTED

# Simply



# Orange

It is difficult when describing Orange and our products not to get personal. Accusations of nostalgia could be levelled when recollecting our first offroad expedition coast-to-coast across England in 1985, the first Orange success of best British rider in the '87 world championships, Tim Davies winning the national championship on the first production Clockwork.

Fond memories maybe, but for Orange, frame design is not a science. Individually selecting tubes and welding to an exacting geometry is only accomplished after gaining 'in the saddle' experience. It's easy to get this experience; simply use the talents of a workforce and race team who ride long and hard, build countless prototypes, and never go forward without considering the options. Comfort and durability are major factors in mountain bike riding, but performance equates to nothing if the ride is too harsh and forces retirement. Achieving all three attributes is the reason why Orange receive such high acclaim, from both magazine test pilots to off road tourers.

In the colourful world of mountain biking there is one brand which pales the others into insignificance.



Orange Mountain Bikes is owned by Lester Noble and Steve Wade.

Both have raced mountain bikes at the highest level and play an active role in the design and testing of all Orange products.



The commitment towards achieving the best is central to the Orange philosophy and can be seen at every level within the company - Orange, a commitment to the committed.



No Tube Unturned

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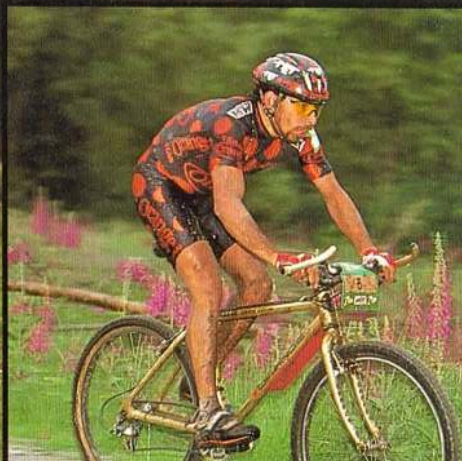


When looking at an Orange mountain bike from the outside, it may appear to the uninitiated, similar to its competitors. It's not until you experience the feeling of responsive weightlessness that you begin to wonder what is under that contemporary exterior.

Orange have squeezed even more out of their latest harvest.

After choosing the highest quality materials we have ventured into a new dimension by customising the internal layout of each tube. No tube has been left unturned. Top tube, head tube, down tube, seat tube, chain stay, seat stay, fork blades and even the bottom bracket have all undergone micro surgery providing savings on some model sizes in excess of 250 grams. Not that this process is purely to reduce the weight of the frame. It also means that some tubes can be thicker where it's needed. Therefore, all this has been accomplished without compromising the Orange renowned strength and durability. This attention is only a small part of why Orange is established as a cut above the rest.

Orange, light years ahead...but worth weighting for.



# Mud Sweat and Tears

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As a company which developed "in the dirt". Orange has grown from cycling enthusiasts who see their business being more than simply manufacturing the best frames. To maintain our hallmark of quality through to the bike displayed in the showroom, we created our own unique



assembly plant. This allows us to custom build every bike ensuring meticulous assembly and component checks before, during and after the bike's completion. The superior standard of assembly is even evident when you examine the grease we choose, 'Black Gold'. Originally developed for undersea bearings without seals, it is a favourite of Team Orange and is the first grease we have used which is able to protect against the rigours of 'ridin dirt' and the occasional jet-wash.

Custom assembly also offers the rider an extensive range of components and accessories. In supporting Team Orange we appreciate the necessity of providing tailor-made machines and recognise that even riders of similar stature may not necessarily require identical specifications. For instance, although we build our frames in three sizes, 17", 19" and 21", (and an additional 15" in the Clockwork frame), we also offer three stem sizes to ideally suit the physical proportions and handling requirements of each rider.

This is only the beginning of our unique versatility. When you consider that on all five mountain bike frames we can fit the top four Shimano groupsets, Suntour's top three micro-drive systems, plus all the fork, handlebar, seat, post, tyre, rim and shifter options available, you begin to realise that the frame is merely the foundation of the Orange pedigree. What you see in the showroom is not a business decision, but a combination of sweat and tears - the mud is optional.



Shimano's gear indication system



F7 Fork.  
Triple Butted,  
Chromoly



# CLOCKWORK



Pioneer of the Orange range, the Clockwork has continued to grow and blossom into an even finer riders machine. Throughout its development, the one solid constant has been the tried, but never tired, Orange angles. Indeed this bike is the seed from which many of it's contemporaries have grown, proving the benchmark bike for others to emulate. For the basic model in the range, the Clockwork has an incredible specification, simply because we believe nothing less will work successfully offroad. Which

other manufacturers bike features butted bottom brackets, headtubes and forks at this price.

This is the minimum requirement for proper off road use, but with less weight than any other frame in its class, the Clockwork is the low calorie, high energy diet for everyone.







Named after Tange's watershed tubeset, the Prestige could well be considered the ultimate steel bike. Using a tubing more frequently specified by custom builders, we blend all the available types of Tange Prestige tubes and combine them to produce a chassis strong enough for the task and lighter than many riders believe possible. This is no overbuilt bomb, but a classic sculpture using just enough metal as is necessary.



Designed as a competition bike, hardcore recreational riders and big-air artists and riders of 'larger build' should look elsewhere in our range for a frame, but for many riders wanting light weight and high performance in a steel frame the Prestige is the pick of the crop.





Coming as we do, from a hard riding background, there have been times of late when we felt a change of performance was needed for some of our riders. With our Prestige frame being recognised for their light weight and resilience, we felt a super-strong high performance chassis would be advantageous for some. And so, with the current Prestige

being in it's 6th generation, the P7 concept was conceived, denoting the 7th generation of our original Prestige frameset. Utilising a custom drawn slightly oversize tubeset, with similar wall thickness configurations to it's lightweight brother, we increase strength and stiffness remarkably, with a minuscule weight increase. The result? A solid hammerhead platform, suitable for suspension addition. A true all year ride 'til the death bike. Let it squeeze your juices.



P7



When the vast majority of aluminium frames are praised for their rigidity, little comment is made to their overall ride comfort. Ad hype talks about aluminium smoothing the trail, but



the plain facts are that a super-rigid frame gives a harsh ride. The Elite combines the pedal pumping platform that aluminium is famous for, but by using our own tubing specification, the frame is resilient and lively, but remarkably solid and positive. Many aluminium frames have no character. The Elite continues to be a lively ride, with a feel all of its own. With its unique rear triangle configuration, the Elite climbs superbly because of its short 16.5" chainstays, but gives plenty of room for tyres, mud and chainrings because of the tubing shape and layout. With the addition of headset adaptors to strengthen and lighten the head tube area, no other aluminium frame comes close. A real peach of an Orange.



elite



Titanium is a material of wonder. Possessing unique qualities of strength and flexibility, it's use requires skill and understanding. Many companies simply paste stickers on somebody else's frame, but here at Orange, we're against such compromise. Steve worked with many tube sets and experts to design the frameset. What seemed like a simple task, took over 18 months of development with long hours in the saddle by the builders,

designers and the team. Much Orange juice was spoken and consumed during its conception.

The result is a frame that we feel is one of the greatest on the planet. Its ride is like no other; stiff yet resilient, light and strong, indeed its ride is so good, it could be considered the first Orange full suspension bike. It was these properties that led MBUK to say that it was "remarkably fast, agile and responsive". Praise indeed, and what makes it even more irresistible is that it's one of the best value true titanium bikes too.



TITANUM



"If something is worth doing then it's worth doing well". A popular adage maybe but it also perfectly describes the approach we made to manufacturing our first aluminium road bike, the 'Dynamo'. A bike which has evolved from experience. In keeping with our "seat of the pants" design philosophy, we combined the



knowledge of two of the UK's top professionals Chris Young and Jonathan Clay with the Orange torchmaster Steve Wade, the man responsible for the highly acclaimed 'Aluminium Elite'. Using our proven mountain bike technology, such as our custom drawn 7005 series aircraft grade tubing, replaceable dropouts and TIG welded construction, we built a prototype. It worked so well, and weighed so little that this was almost a case of right first time. Rider after rider commented on the incredible ride from the frame, the accurate tracking and the superb feel. When you consider that such compliments were not only from the experience old hands, Johnny and Chris, but also triathlete Richard Allen then you have got to believe that the Dynamo is something special.

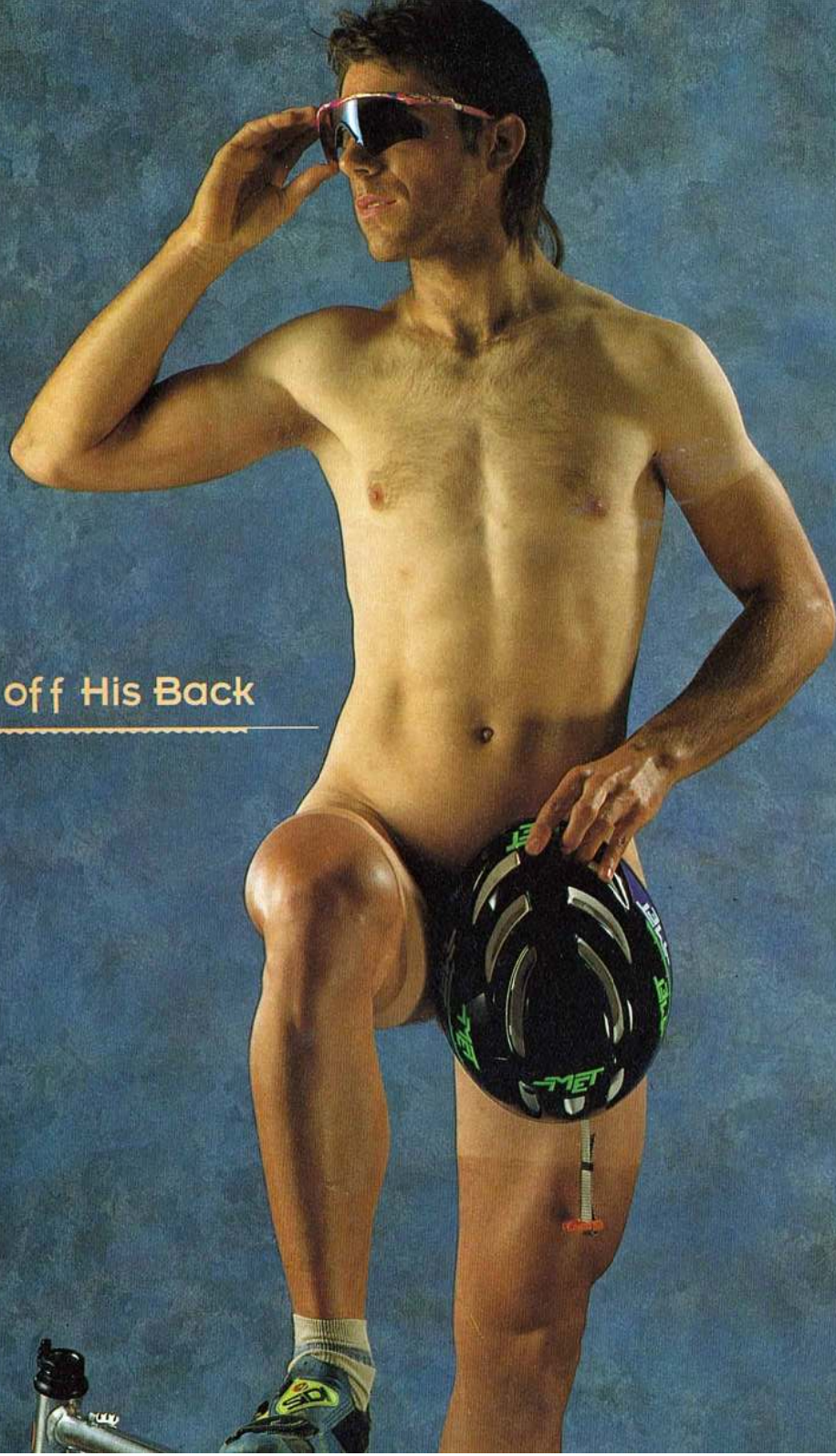
They say that "experience is the mother of wisdom". The 'Dynamo' typifies Orange know-how born through experience and can be seen in all Orange stockist.



DYNAMO

The Shirt of His Back

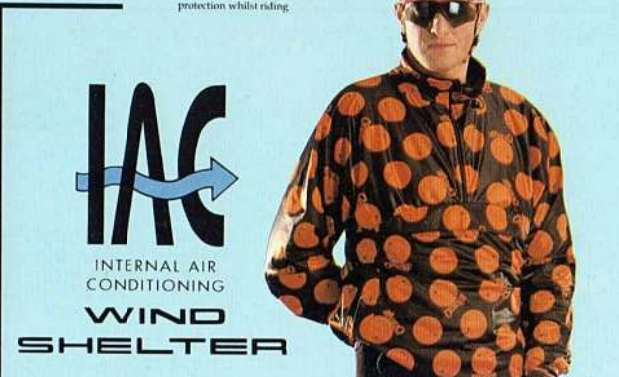
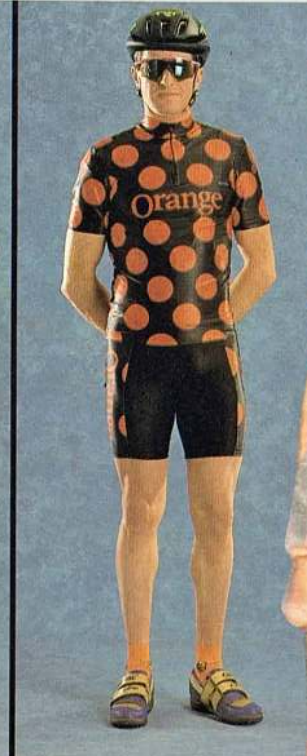
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In common with the Orange philosophy of making improvements to all aspects of cycling, our clothing has evolved from 'seat of the pants' experience, which in the case of our shorts, you will appreciate immediately. For the new, all-season performance jackets, the 'Wind Shield' and 'Wind Shelter', we got help from team riders Sam and Colin. They've probably got more experience than any other team in the country in the bike orienteering events. These races are held over two days and involve over twelve hours of competition. From their accumulative experience we realised that some of the high performance fabrics were not suitable for such a dynamic and aerobic sport. When choosing a suitable garment for cycling, the considerations take a different order of importance to most

other outdoor activities. The garment must be designed specifically for cycling, as it is only then the stretch characteristics of the fabric can be utilised in order to avoid hampering the riders movements. Increased activity demands that breathability is a major priority. The garment must wick the sweat away from the skin so the body can maintain a suitable working temperature; a badly designed garment can work in reverse, retaining sweat and wicking away energy.

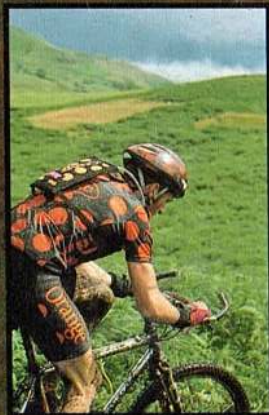
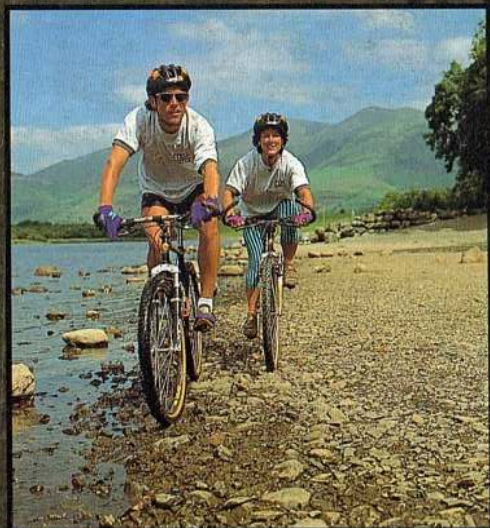
Taking into account the amount of time we spend in the saddle, combined with our attention to details and distinctive graphics, constructing performance clothing seemed like a natural progression. After all, if we sell the bikes as used by Dan Cook, why not also offer the shirt off his back.



**IAC**  
INTERNAL AIR  
CONDITIONING  
**WIND  
SHELTER**

A full specification list is available separate from this brochure. As stated in all our previous brochures, specifications can change without prior notice; this is not a get out clause to offer less. During the ongoing research and development process, new and different options are continually appraised. If we feel the change

can benefit an Orange customer, we have the flexibility to act quicker than our brochure whiz kid therefore not only do we reserve the right to change specification etc., we can almost guarantee it.



ORANGE MOUNTAIN BIKES, PO BOX 100, PENRITH, CUMBRIA, CA10 2DA, PHONE: 0768 890700, FAX: 0768 67871



## ACCESSORIES

ORANGE FORKS	£59.95	ORANGE BIG FORKS	£90.00
ALUMINIUM FORKS	£108.00	STALK LITE(Oversize) 1.25"	£41.00
STALK LITE Std 1" Quill	£39.00	ORANGE ALUMINIUM STALK(1.25")	£56.00
ORANGE ALUMINIUM STALK(1")	£51.00	ORANGE SADDLE	£22.00
TITANIUM RAIL SADDLE (Edge 2)	£41.00	RAM ROD BARS	£41.00
ORANGE RAM BARS	£29.00	ORANGE LITE STIK (Seat Post)	£30.00
HOT ROD ALUMINIUM BARS	£37.95	SMOKE LITE	£26.99
GROUND CONTROL KEVLAR 1.95	£23.50		

## WHEELS

DEORE LX HUBS/MAVIC OXYGEN 32H	£132.00
DEORE LX HUBS/MAVIC M231 32H	£139.00
DEORE DX HUBS/MAVIC 231 32H	£152.00
DEORE DX HUBS/MAVIC ENERGY M7CD 32H	£178.00
DEORE DX HUBS/MAVIC 231CD 32H	£178.00
DEORE XT HUBS/MAVIC 231 32H	£187.00
DEORE XT HUBS/MAVIC 231CD 32H	£221.00
DEORE XT HUBS/MAVIC MA40 32H	£221.00
SHIMANO HG70 12-28 Cassette	£22.00

ALL WHEELS BUILT WITH DOUBLE BUTTED 14/16 STAINLESS STEEL SPOKES

## CLOTHING

ORANGE 'WIND SHELTER'	£119.95	ORANGE 'WIND SHIELD'	TBA
ORANGE THERMAL FLEECE TIGHTS	£59.95	ORANGE SKIN TIGHTS	£31.00
SPOTTED ORANGE Training Top	£63.00	BLACK ORANGE Training Top	£54.00
SPOTTED ORANGE Long Sleeve Jersey	£38.00	BLACK ORANGE Long Sleeve Jersey	£36.00
SPOTTED ORANGE Racing Shirt	£31.00	SPOTTED ORANGE 8 Panel Racing Shorts	£33.00
SPOTTED ORANGE BIB Shorts	£41.00	ORANGE NEOPRENE OVER SHOES	£31.00
SPOTTED ORANGE Helmet Cover	£11.95	T-SHIRT DESIGNS	£15.99
BLACK POLO SHIRT	£18.00	LONG SLEEVE TURTLE NECK	£24.99

## POSTERS

TEAM ORANGE POSTER (Cut the rap) £2.50

PRICES INCLUDE 17.5% VAT

PRICES AND SPECIFICATION LIABLE TO CHANGE WITHOUT NOTICE.

## ORANGE MOUNTAIN BIKES Specification sheet

	SHIMANO STX	SHIMANO LX	SHIMANO XT	SHIMANO XTR
CHAINSET	STX 175mm 42-34-24	DEORE LX 175mm, 26/36/46/R Low Profile	DEORE XT 175mm 24/36/46/R	DEORE XTR 175mm 46/36/26/R
REAR DERAILLEUR	STX MC30	DEORE LX RD-M560	DEORE XT Short Cage	DEORE XTR M900 Short Cage
FRONT DERAILLEUR	STX MC30 TOP PULL	DEORE LX FDM 560 Top Pull	DEORE XT XC COMP On Aluminium Models	DEORE XTR M900 28.6/31.8 Clamp
BRAKES	STX MC30 M System	DEORE LX Cantilever F & R Multicondition Pads	DEORE XT Cantilever F & R M System	DEORE XTR Cantilever F & R Low Profile
LEVERS	STX MC30 Trigger Fire	DEORE LX STI M560 Trigger Fire/Multicondition Brake	DEORE XT STI M965 Rapid Fire Plus	DEORE XTR Rapid Fire Plus, 8 Speed
HUBS	STX MC30 135mm Rear 12-28 32H	DEORE LX 135mm Rear 12-28 32H QR	DEORE XT 135mm Rear 12-32 32H QR	DEORE XTR 135mm Rear 12-32 32H QR
HEADSET	STX MC30 Cartridge	DEORE LX	DEORE XT/ORANGE On Aluminium	DEORE XTR/XT/ORANGE On Aluminium
PEDALS	LX PDM 550	DEORE LX Shimano Toe clips, MT Christophe Straps	DEORE XT, Shimano Toe clips, MT Christophe Straps	DEORE XT Shimano Toe Clips MT Christophe Straps
BOTTOM BRACKET	LX UN51	BB MT60/ Sealed Cartridge UN51	Sealed Cartridge UN71	Sealed Cartridge UN91
CHAIN	STX HG 50	DEORE DX, HG-70	DEORE XT, HG-90	DEORE XTR 7411
HANDLEBARS	ORANGE HOT ROD 140 gms	ORANGE HOT ROD 140 gms	ORANGE HOT ROD 140 gms	ORANGE HOT ROD 140 gms
STEM	STALK LITE 150/135mm, 90°/105°	STALK LITE 150/135mm, 90°/105°	STALK LITE 150/135mm, 90°/105°	STALK LITE 150/135mm, 90°/105°
GRIPS	Attack Rubber	Attack Rubber	Attack Rubber	Attack Rubber
RIMS	MAVIC 231, Double butted 5/5 Spokes	MAVIC 231, Double butted 5/5 Spokes	MAVIC M231, M231CD Double butted 5/5 Spokes	MAVIC M231, M231CD Double butted 5/5 Spokes
TYRES	SPECIALISED 1.95 GROUND CONTROLS/SMOKE LIGHT	SPECIALISED 1.95 GROUND CONTROLS/SMOKE LIGHT	SPECIALISED 1.95 GROUND CONTROLS/SMOKE LIGHT	SPECIALISED 1.95 GROUND CONTROLS/SMOKE LIGHT
SEATPOST	ORANGE LITE STIK	ORANGE LITE STIK	ORANGE LITE STIK XT Seat Post	ORANGE LITE STIK XT Seat Post
SADDLE	ORANGE SADDLE	ORANGE SADDLE	ORANGE SADDLE	ORANGE TITANIUM SADDLE (Edge 2)
BINDER BOLT	NEW LIGHT KALLOY Quick Release	NEW LIGHT KALLOY Quick Release	NEW LIGHT KALLOY Quick Release	NEW LIGHT KALLOY Quick Release

	CLOCKWORK	PRESTIGE	ALUMINIUM O	ALUMINIUM ELITE	VITAMIN T
COLOURS	Orange & White Matt Black, Silver Orange, Purple Silver/Blue	Orange & White Matt Black, Silver Silver/Purple Orange, Purple	Orange & White Matt Silver Matt Black Purple	High Polished Laquered Finish Various anodised colours (extra)	Titanium
SIZE	17", 19", 21" 15" Orange & White, Black, Orange, Purple	17", 19", 21"	17", 19", 21"	17", 19", 21"	17", 19", 21"

### OPTIONS

	STX	LX	XT	XTR
DEORE Thumbshifters (Dia-compe B/Ls)	●	●		
DEORE XT Thumbshifters	○	○	●	
XT RAPID FIRE PLUS		○	○	
SHIMANO CLIPLESS Pedals XT	○	○	○	○
SHIMANO CLIPLESS Pedals DX	○	○	○	
ALUMINIUM FORKS	○	○	○	○
ORANGE BIG FORKS	○	○	○	○
ORANGE Aluminium Stalk	○	○	○	○
TITANIUM Rail Saddle (Edge 2)	○	○	○	○
USE ALUMINIUM Seat Post	○	○	○	●
USE TITANIUM Seat Post	○	○	○	○
PACE RC30 Composite Forks	○	○	○	○
PACE RC35 Hydraulic Forks	○	○	○	○
RAM ROD	○	○	○	○
ORANGE RAM BARS	○	○	○	○
Anodising (Aluminium Elite only)	○	○	○	○

○ Option + additional charge ● Option no price difference

## ORANGE MOUNTAIN BIKES

### Retail Price List

	SHIMANO STX	SHIMANO LX (93)	SHIMANO XT	SHIMANO XTR
CLOCKWORK	£589.95	£699.95	£919.95	£1265.95
PRESTIGE	£699.95	£829.95	£999.95	£1399.95
ALUMINIUM O	£779.95	£929.95	£1129.95	£1469.95
ALUMINIUM ELITE	£969.95	£1125.00	£1299.00	£1640.00
VITAMIN T	£1430.00	£1485.00	£1750.00	£2150.00
		SHIMANO 105	SHIMANO Ultegra	SHIMANO Dura Ace
DYNAMO ROAD BIKE		£1120.00	£1260.00	£1750.00

CLOCKWORK Frame+Forks	£265.00
PRESTIGE Frame+Forks	£375.00
ALUMINIUM O Frame+Forks	£465.00
ALUMINIUM ELITE Frame+Forks	£640.00
VITAMIN T Frame+Forks	£1250.00
DYNAMO Frame + Forks	£560.00

### OPTIONS (Additional Cost to frame and standard groupset)

	STX	LX(93)	XT	XTR
DEORE Thumbshifters (Dia-compe B/Ls)	£0.00	£0.00		
DEORE XT Thumbshifters	£17.20	£17.20	£0.00	
XT RAPID FIRE PLUS		£39.00		
SHIMANO CLIPLESS Pedals XT	£104.95	£94.95	£84.95	£54.95
SHIMANO CLIPLESS Pedals DX	£62.95	£52.95	£44.95	

### OPTIONS (Additional Cost to standard bike)

ALUMINIUM FORKS	£59.95
ORANGE BIG FORKS	£25.95
ORANGE Aluminium Stalk	£32.00
TITANIUM Rail Saddle (Edge 2)	£21.00
USE ALUMINIUM Seat Post (420mm)	£34.00
USE TITANIUM Seat Post (350mm)	£70.00
PACE RC30 Composite Forks	£125.50
PACE RC35 Hydraulic Forks	£300.00
RAM ROD	£14.00
Anodising (Aluminium Elite only)	£69.00