1990

R A C E



RALEIGH
NOTTINGHAM ENGLAND

LIGHTWEIGHT



Every Raleigh Lightweight racing cycle is hand-built by our Lightweight Division craftsmen – the same Division that builds Raleigh's team bikes for national and international competition.

Lightweight Division is also the heart of Raleigh's continuous research and development effort, dedicated to producing the ideal machine for every type of cycling discipline.

FRAMES WITH A PEDIGREE OF PERFORMANCE

Raleigh frames have been partnering winning riders and record holders for 95 years, collecting trophies from all corners of the world.

The experience we've gained in producing the finest brazed frames has resulted in a proven combination of lightness, responsiveness and durability under the toughest race conditions.

LIGHTWEIGHT







Raleigh frames have achieved hundreds of wins, including these major events:

RALEIGH'S RACING SUCCESSES

12 World Championships in Road, Sprint and Pursuit since 1968.

5 World Road Race Team Cups since 1979.

19 National Road Race Champions since 1973.

20 UK National Cyclo-Cross Champions since 1961.

One outright Tour de France winner (1980) and 8 Team wins.

1st place for Laurent Fignon (Super U-Raleigh) on 1989's International Computer Ratings.



And now Raleigh's design and development team working closely with Reynolds have produced a revolutionary new frame concept – Dyna-Tech.

DYNA-TECH: THE NEW DIMENSION

The Dyna-Tech framebuilding process was pioneered by Raleigh, completely changing the way steel frames are built – and the performance they deliver.

A high-technology bonding material is applied to performance-enhanced Reynolds steel or titanium tubes, joined by precisely-machined aluminium lugs.

Because no brazing or soldering is used, a Dyna-Tech frame is up to 20% stronger at the critical tube joint areas, giving a performance 'edge' that has been tested by Raleigh's Systeme 'U' team throughout the 1989 racing season – including the Tour de France. Listen to what the riders had to say about Dyna-Tech.

"Better rigidity... better response in starting and acceleration." *Laurent Fignon.*

"The frame itself survived pavé without problem. I had good roadholding and steering was easy." *Christophe Lavainne.*

"All riders reported a significant improvement in rigidity, and excellent handling in all conditions." *team manager Cyrille Guimard.*

The team prototype bike on this page is an example of this testing and development process under competition stress – the lessons learnt have been incorporated into Raleigh's 1990 Dyna–Tech race range.

THE COMPONENTS THAT KEEP YOU AHEAD

Though the frame is the heart of any bike, top-quality componentry can still make the vital difference between winning and being an "also-ran."

The latest advances from Shimano have been incorporated across the entire Raleigh race range – Hyperglide cassette sprockets, the new Superglide round and Biopace chainrings, SLR dual pivot brakes for extra performance and clipless pedals on the Dyna-Tech 700 model.

Reflective racing tyres give added visibility for early and late rides without compromising wheel balance, and Vetta gel-filled saddles combine extra comfort with lightness and style.

THE GEOMETRY OF WINNING

All Raleigh Lightweight racers feature varying geometry according to frame size and type, ensuring that the likely rider is rewarded with maximum performance and comfort.

Your Lightweight dealer will help you choose the ideal size, your choice is between the performance-orientated race geometry or the more comfortable training geometry for the sporting, rather than competitive, rider.

DYNA-TECH RACE


VETTA SEL
DYNA-TECH 600
Raleigh
LIGHTWEIGHT



DYNA-TECH 700

Be the envy of the peloton on this superb racing machine!

Raleigh's Dyna-Tech 2070 60 tons tensile main tube frame with Reynolds single stay rear triangle and taper gauge forks has our exclusive Dyna-Tech textured finish and holographic logo.

The components are Shimano's updated Ultegra 600EX groupset - a 7-speed Hyperglide cassette, 53/42 round chainrings, and SLR brakes controlled by sleek aero levers in a colour co-ordinated finish that complements the frame's striking good looks.

Top-quality Rigida 600 SHP hard anodised rims are laced with stainless spokes to Ultegra QR hubs and shod with 20C reflective HP tyres for minimum rolling resistance.

Even the pedals are unique – Shimano's 1056 clipless model has two release tensions; low for training runs and stop-start riding, and high for competitive race conditions.

Sizes: 54.5, 57, 59.5, 62cms. Weight: 10.15kg.
Colours: Textured/White, Magenta trim.
Also as a frameset in sizes:
52, 54.5, 57, 59.5, 62, 64.5cms.
Weight: 2.38kg.
Colours: 1990 Castorama - Raleigh team colours.



DYNA-TECH 600

The perfect partner; lively in the sprint and eager in the climb, with pinpoint handling to cut through the pack.

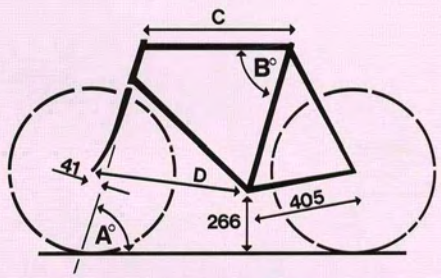
A 52 tons tensile Dyna-Tech 2060 frame with Reynolds single-strut rear triangle and taper gauge forks gives responsive, exciting handling, perfectly complemented by Shimano's new 1055 groupset.

A 13 - 23 Hyperglide 7 speed cassette and 52/42 Superglide round chainrings give smooth, precise gear selection, held firmly in control by the new Dual Pivot SLR brakes.

The groupset's co-ordinated finish beautifully sets off the exclusive Dyna-Tech textured paintwork, sleek black stem and Vetta Turbo gel-filled saddle.

Rims and tyres are to the same specification as the 700, with Shimano 1055 QR hubs.

Sizes: 54.5, 57, 59.5, 62cms. Weight: 10.35kg.
Colours: Textured/Plum trim.
Also as a frameset in sizes:
52, 54.5, 57, 59.5, 62, 64.5 cms. Weight: 2.40kg.
Colours: 1990 Castorama - Raleigh team colours.



DYNA-TECH RACE FRAME GEOMETRY

SIZE cm	A°	B°	C mm	D mm
52	72°	75°	528	587
54.5	73°	75°	539	590
57	73°	75°	556	595
59.5	74°	74°	568	595
62	74°	73°	579	595
64.5	74°	73°	587	602

DYNA-TECH RACE

RALEIGH 2070 PERFORMANCE ENHANCED TUBE SET SERIAL NO DYNA-TECH BUTTED

RALEIGH 2060 PERFORMANCE ENHANCED TUBE SET SERIAL NO DYNA-TECH BUTTED

DYNA-TECH 500

Dyna-Tech frame technology at an affordable price – and with the latest componentry from Shimano.

A Dyna-Tech 52 tons tensile 2060 frame, stays and forks give you race-ready acceleration, handling and responsiveness, while the Shimano RX 100 groupset with 7-speed Hyperglide cassette and Biopace 52/42 Superglide chainrings ensure smooth, reliable shifting.

Aero SLR levers control the latest Dual Pivot brakes and Vetta's Turbo gel saddle delivers comfort throughout a race or training session.

Two-tone Rigida rims with reflective 20C tyres complete the 500's striking yellow and white colour scheme, and add the finishing touch to a racing cycle whose performance belies its price.



LIGHTWEIGHT

Sizes: 54.5, 57, 59.5, 62cms. Weight: 10.50kg.
Also as a frameset in the same sizes.
Weight: 2.50kg. Colours: Yellow/White.

DYNA-TECH FRAMESETS

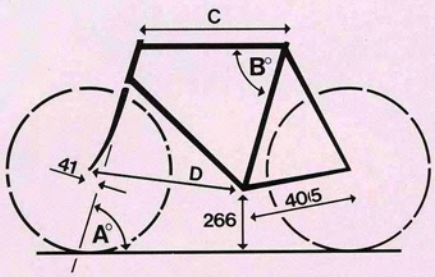
For the competitive cyclist who wishes to specify to his personal taste, Raleigh have prepared the ultimate Dyna-Tech frames in titanium and 2080 85 tons tensile tubing.

These pure race framesets have their own high-performance geometry tailored to the competitor who's prepared to put speed and responsiveness top of the priority list.

The Club frameset is at the other end of the Dyna-Tech scale; a high performance training frame worthy of the best componentry, but suited to the more fitness-orientated rider.

Our Dyna-Tech 700, 600 and 500 bicycles are also available as framesets in an augmented range of sizes.





CHRONOS/PRO RACE FRAME GEOMETRY

SIZE cm	A°	B°	C mm	D mm
52	72°	75°	528	587
54	73°	75°	539	590
56	73°	74°	556	595
58	73°	74°	556	595
60	74°	74°	568	595
62	74°	73°	579	595

DYNA-TECH CHRONOS FRAMESET

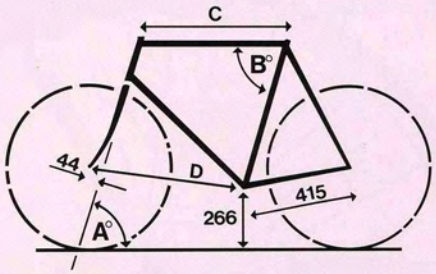
State-of-the-art material for the cyclist who demands the pinnacle of performance.

A racing geometry frameset with aerospace-grade 325 Titanium main frame tubes bonded by our unique Dyna-Tech process.

Attachments for gear levers, inflator, chain hanger, cables and bottle mounts are standard.

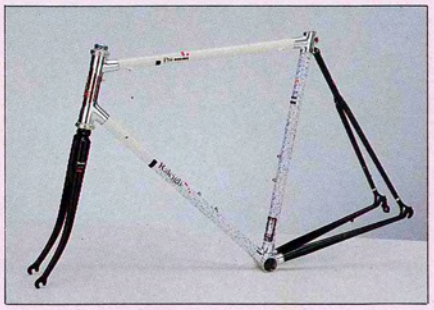
This frameset will only be made in limited numbers.

Sizes: 52, 54, 56, 58, 60, 62cms.
Colours: Graphite grey/light grey.
Weight: 2.20kg.



DYNA-TECH TRAINING FRAME GEOMETRY

SIZE cm	A°	B°	C mm	D mm
54.5	73°	75°	544	597
57	73°	74°	556	601
59.5	74°	74°	568	604
62	74°	73°	579	604



DYNA-TECH PRO FRAMESET

Light-gauge performance enhanced Reynolds 2080 tubing and our exclusive Dyna-Tech bonding process combine to produce a race-winning frameset that's rigid yet lively, fast yet responsive. Pro is ideally suited to time trialling and racing on good road surfaces.

Attachments are as Cronos.

Sizes: 52, 54, 56, 58, 60, 62cms.
Colours: Textured/White, Black trim.
Weight: 2.20kg.



DYNA-TECH CLUB FRAMESET

A training geometry Dyna-Tech frameset in Reynolds 2055 52 tons tensile Dyna-Tech bonded tubing.

The longer wheelbase of Club make it suitable for the leisure rider, and the clearances for mudguard fitting enhance its versatility.

Club is the ideal introduction to Dyna-Tech quality.

Sizes: 54.5, 57, 59.5, 60cms.
Colours: White/Blaze Blue.
Weight: 2.65kg.



DYNA-TECH RACE



Raleigh's 531 race and training range are the latest in a long line of winning brazed-frame cycles, and enjoy all the benefits of Lightweight Division's expertise in producing superbly-finished frames that deliver the maximum performance.

Combined with Shimano's 1990 groupsets, they give fully competitive performance at a very competitive price level!



LIGHTWEIGHT



VOLANT

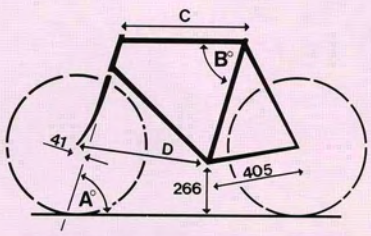
Combining Reynolds 531 butted main tubes and fork blades in a racing geometry frame, Volant gives sparkling performance to match its sparkling colour scheme.

A 7-speed Hyperglide cassette and 52/42 Biopace chainring offer you crisp SIS gearchanging, while the new Dual Pivot SLR brakes with aero levers deliver smooth, safe stopping power.

Anodised Alesa rims with 20C reflective tyres minimise rolling resistance while maintaining strength in this critical area, and the co-ordinating bar tape, stem and saddle add that final touch of class.

Sizes: 54.5, 57, 59.5, 62cms. Weight: 10.70kg.
Colours: Fluo pink/orange, Black & White trim.





RACE GEOMETRY

SIZE cm	A°	B°	C mm	D mm
54.5	73°	75°	545	590
57	73°	74°	560	595
59.5	74°	74°	575	600
62	74°	74°	575	600

VELOCE

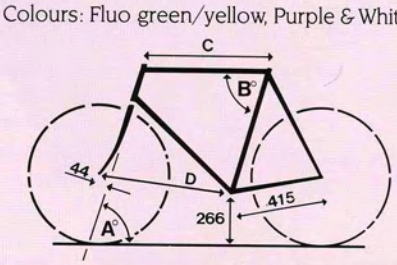
With Reynolds 531 butted tubes and fork blades, this training geometry bike offers the leisure or fitness rider rapid progress and precise handling, plus the extra comfort ideal for longer rides.

Shimano 400EX components are fitted throughout, with Hyperglide 7-speed rear derailleur for accurate gear selection, and Biopace chainrings for easier ascents.

Anodised alloy rims with Shimano QR hubs and reflective 20C tyres give speed and grip in abundance, and smooth reliable braking comes from Shimano's renowned SLR system.

As with all Raleigh race and training bikes, Shimano pedals are fitted, complete with matching toeclips and straps.

Sizes: 54.5, 57, 59.5, 62cms. Weight: 11.00kg.
Colours: Fluo green/yellow, Purple & White trim.



TRAINING GEOMETRY

SIZE cm	A°	B°	C mm	D mm
54.5	73°	75°	549	600
57	73°	74°	560	600
59.5	74°	74°	575	605
62	74°	74°	575	605

REYNOLDS 531 FORKS, BUTTED FRAME TUBES



VITESSE

A superb introduction to the Raleigh Lightweight race/training range, the Vitesse features Reynolds 531 main frame butted tubes for a lively, responsive ride in a training geometry frame that delivers sure-footed handling in all conditions.

14 gears are easily selected thanks to the Shimano 300EX groupset fitted, with Hyperglide 7-speed cassette and Biopace double chainring for power without pain in hilly country.

Safe, progressive braking controlled by smooth SLR aero levers complements the grip from the 20C reflective tyres on their alloy rims.

Comfort and style are assured with an Isca Record Lycra saddle on a micro-adjusting seatpin, and security is enhanced thanks to the toeclips and straps on the Shimano pedals.

Sizes: 54.5, 57, 59.5, 62cms. Weight: 11.00kg.
Colours: Fluo Pink/Yellow, Blue/White trim.



LIGHTWEIGHT

WEIGHT CONVERSION TABLE

lbs	21	22	23	24	25	26	27	28	29	30	31	32	33
kg	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	

DYNA-TECH 700

FRAME	Dyna-Tech 700 series, 2070 butted tubeset. Strut rear stays.
FORK	Precision cast crown, taper gauge blades.
WHEELS	Rims - Rigida SHP600 Hard Anodised Hubs - Shimano 6400 32 hole Q/R. Spokes - Stainless 14 gauge. Tyres - 700 x 20c reflective.
HANDLEBAR	TTT Grand Prix, cushion tape.
STEM	TTT Record.
BRAKES	Shimano 6400, aero levers SLR.
DERAILLEUR	Shimano 6400 SIS.
CHAINSET	Shimano 6400 53/42t round.
FREEWHEEL	Cassette 7-speed 13-21t Hyperglide.
PEDALS	Shimano 1056 clipless.
SADDLE	VETTA Turbo Gel.
SEAT PIN	Shimano SP 6400-A.
OTHER FEATURES	Inflator, reflector pedals to meet BS6102/Traffic regulations.

DYNA-TECH 600

FRAME	Dyna-Tech 600 series, 2060 butted tubeset. Strut rear stays.
FORK	Precision cast crown, taper gauge blades.
WHEELS	Rims - Rigida SHP600 Hard Anodised, 32 hole. Hubs - Shimano, 1055 Q/R. Spokes - Stainless 14 gauge. Tyres - 700 x 20c reflective.
HANDLEBAR	Alloy, cushion tape.
STEM	SR Custom alloy, black.
BRAKES	Shimano 1055 Dual Pivot, aero levers. SLR.
DERAILLEUR	Shimano 1055 SIS.
CHAINSET	Shimano 1055 52/42t round. SG.
FREEWHEEL	Cassette 7-speed 13-23t Hyperglide.
PEDALS	Shimano 1055.
SADDLE	VETTA Turbo gel.
SEAT PIN	SR alloy, micro adjust.
OTHER FEATURES	Toe clips and straps, inflator.

DYNA-TECH 500

FRAME	Dyna-Tech 500 series, 2060 butted tubeset.
FORK	Precision cast crown, taper gauge blades.
WHEELS	Rims - Rigida 20s anodised. Hubs - Shimano Q/R. Spokes - Stainless 14 gauge. Tyres - 700 x 20c reflective.
HANDLEBAR	Alloy, cushion tape.
STEM	SR Custom alloy black.
BRAKES	Shimano Dual Pivot, aero levers SLR.
DERAILLEUR	Shimano RX 100 SIS.
CHAINSET	RX 100 Biopace, 52/42t, SG.
FREEWHEEL	Cassette 7-speed 13-23t Hyperglide.
PEDALS	Shimano RX 100.
SADDLE	VETTA Turbo gel.
SEAT PIN	SR alloy, micro adjust.
OTHER FEATURES	Toe clips and straps, inflator.

VOLANT

FRAME	3 tubes 531 butted, race geometry.
FORK	Sloping crown, 531 blades.
WHEELS	Rims - Alesa anodised. Hubs - Shimano alloy Q/R. Spokes - Rustless 14 gauge Tyres - 700 x 20c reflective.
HANDLEBAR	Alloy, cushion tape.
STEM	SR Custom alloy.
BRAKES	Shimano Dual Pivot, aero levers SLR.
DERAILLEUR	Shimano 500 EX SIS.
CHAINSET	Shimano 500 EX Biopace 52/42t.
FREEWHEEL	Cassette 7-speed 13-23t Hyperglide.
PEDALS	Shimano A550.
SADDLE	Isca Record Lycra.
SEAT PIN	SR alloy, micro adjust.
OTHER FEATURES	Toe clips and straps, inflator.



VELOCE

FRAME	3 tubes 531 butted, training geometry.
FORK	Sloping crown, 531 blades.
WHEELS	Rims - Alesa anodised. Hubs - Shimano alloy Q/R. Spokes - Rustless 14 gauge. Tyres - 700 x 20c reflective.
HANDLEBAR	Alloy, cushion tape.
STEM	SR Custom alloy.
BRAKES	Shimano SLR, aero levers.
DERAILLEUR	Shimano 400 EX SIS.
CHAINSET	Shimano Biopace 52/42t.
FREEWHEEL	Cassette 7-speed 13-23t Hyperglide.
PEDALS	Shimano A550.
SADDLE	Isca Record Lycra.
SEAT PIN	SR alloy, micro adjust.
OTHER FEATURES	Toe clips and straps, inflator.

VITESSE

FRAME	3 tubes 531 butted, training geometry.
FORK	Sloping crown, high tensile blades.
WHEELS	Rims - Alesa polished. Hubs - Shimano alloy Q/R. Spokes - Rustless 14 gauge. Tyres - 700 x 20c reflective.
HANDLEBAR	Alloy, cushion tape.
STEM	SR Custom alloy.
BRAKES	Shimano SLR, aero levers.
DERAILLEUR	Shimano 300 EX SIS.
CHAINSET	Shimano Biopace 52/42t.
FREEWHEEL	Cassette 7-speed 13-23t Hyperglide.
PEDALS	Shimano A550.
SADDLE	Isca Record Lycra.
SEAT PIN	SR alloy, micro adjust.
OTHER FEATURES	Toe clips and straps, inflator.

INCHES TO CENTIMETRES CONVERSION TABLE

INS.	19	20	21	22	23	24	25
CMS.	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65

RACE

REYNOLDS 531 BUTTED FRAME TUBES



Your Raleigh Lightweight dealer is a specialist in selecting the right Raleigh Lightweight bicycle for you.

BAKERS CYCLES

RINGWOOD 473156

Sales Spares Repairs

Raleigh Industries, Triumph Road,
Nottingham NG7 2DD England.

Our policy of continual improvement means that product specification and appearance may be changed while this catalogue is still in use.