RALEIGH
LIGHTWEIGHTS
for the pursuit of excellence
For over a hundred years since 1887 Raleigh has always been identified with the highest standard in cycle manufacture. Continual involvement in cycle sport at the highest levels has ensured innovation and technical advance.

The team building the Raleigh Lightweight bicycles retains all the skills and dedicated craftsmanship of the small specialist builder, with all the advantages in modern tooling, quality and production control inherent in being part of a large manufacturing group.

Of particular importance is the large primer coating facilities used to give all frames and forks a coating which offers corrosion protection to the highest automotive industry standards. E.P. or cathodic electrophoretic primer to use its full title, bonds the primer electrically to both the outside and inside of the tubing providing the base for the individually hand sprayed finish to be applied.

**Lightweight Details**
- Different frame styles to suit purpose, racing/training/touring/commuting/off-road.
- Variable frame geometry on all bikes to ensure better fit of bike to customer.
- Other features change with size e.g. toe clips where specified and race/training handlebar size as well as stem size. Micro-adjust seat pillars fitted as standard.
- Ease and comfort of cycling — all models have index gears and some have bio-pace chainsets, features that make modern cycling a real pleasure.
- Ladies frames with ladies geometry both for commuting and leisure riding.

**Lightweight Choices**

**Racing**
These models feature a short wheelbase, high performance racing frame which is extremely responsive and energy efficient in use. There is insufficient clearance for full mudguards, and no allowance is made for their fitting. Suitable for all aspects of cycle racing and for the cycling section of Triathlons for the more experienced cyclist.

**Training**
Sharing many features of the main frame geometry of our racing frames, the bicycles wheelbase has been lengthened slightly to accommodate the fitting of mudguards for winter use, with the added bonus of making the bike easier to handle and offering a more comfortable ride. A superb dual purpose bicycle, particularly suitable for keep-fit/leisure riding and for new-comers to the sport of cycling. The Triathlon model, and its more extrovert companion, the Quadra, feature components specifically brought together in a package designed for those athletes attracted to cycling from other sports.

**Touring**
Bicycles designed and equipped purely for touring, comfortable to ride, easy to handle even when fully laden, and geared to handle all terrains, the Tourers are equally at home on city streets or on boulder-strewn tracks in the Himalayas.

**Off-Road**
Heavy duty frames and components teamed to provide comfortable, responsive performance under the most difficult conditions.
Raleigh Record Ace is a name traditionally reserved for the very best in production bicycles, and this all new model proudly continues that tradition. It is designed to be a pleasure to own and ride, and boasts a level of sophistication in styling, componentry and frame building previously unmatched on a production bicycle from this Company.

**The Frameset** — Built with hand-finished sets of Reynolds 653 butted tubing, using high precision investment cast lugs, bottom bracket and fork crown, Campagnolo forged drop-outs and with all fittings (gear lever bosses, cable guides etc.) low temperature silver-soldered in position. Geometry is variable with size, with racing clearances.

**The Components** — Based around Shimano’s newest ensemble Santé: gear selection is indexed and accurate; BIO-PACE chainrings improve pedalling efficiency; Linear Response brakes ensure smooth stopping power with light finger pressure; (the quick-release on the ergonomically styled brake levers even has an automatic reset to avoid loss of braking action after wheel changes or servicing.)

**The Colour** — co-ordinated styling of the chainset, gears, brakes and mid-flange hubs is complemented by the stylish Lyca covered Turbo Special saddle and the simple elegance of the Cinelli handlebar and stem.

**The Finish** — Hand applied over a base coat of electrophoretic primer, the lugs are individually brush painted, and a full coat of pearlescent lacquer is applied. A further coat of water clear lacquer then seals the finish and imparts a deep gloss to the whole frame.

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>54.5cm</th>
<th>57cm</th>
<th>59.5cm</th>
<th>62cm</th>
</tr>
</thead>
</table>

![Frame Size Chart Image]
Sporting the very latest Raleigh Team scheme, the 1988 Competition is equipped with a racing geometry frame in Reynolds 531C tubing, and a full Shimano 105 ensemble. One special feature is a set of Team sponsor decals supplied with the bicycle to enable a total Team look to be achieved.

**Frame Size**
- 54.5cm
- 57cm
- 59.5cm
- 62cm

**Corsa**
Based around a 531 butted main tubes racing frame, the Corsa is equipped with the all new EXAGE Sport ensemble; both front and rear derailleur axes are indexed ensuring accurate gear changing on all 12 gears; the chainset features BIO-PACE rings for efficient pedalling and brakes are smooth acting Linear Response type, with a safety styled quick release mechanism on the brake lever.

**Frame Size**
- 54.5cm
- 57cm
- 59.5cm
- 62cm
The new Shimano Ultegra 600 ensemble is not only stylish but exceptionally functional; fourteen speed index gears, Linear Response brakes, light alloy headset, sealed mechanism hubs and bottom bracket, and even specially styled cycling shoe cleats and fittings are supplied. The racing geometry frameset incorporates Reynolds 531C tubing, and precision cast fork crown, bottom bracket and seat lug.

Anodised aero-style rims are shod with narrow section high pressure tyres, and the handlebar and stem are from Cinelli.

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![Cinelli Logo]
A bright newcomer to the range, this training geometry bicycle is based around the highly successful Raleigh Trainer frameset, and features a Reynolds 531 butted main tube frame, super leger lugs and sloping fork crown.

Twelve speed indexed gears, a full alloy chainset (with detachable rings should you wish to change the gearing) and quick release alloy wheels with high pressure narrow section tyres are fitted, and the colour and graphic styling ensure the RITMO will stand out in any crowd.

Frame Size
- 54.5cm
- 57cm
- 59.5cm
- 62cm

The TRIATHLON is specifically designed as an off-the-peg model for triathletes new to cycling, but is equally well suited to those requiring a stylish, well-equipped mount for general purpose leisure/keep fit activities.

Frame/Fork
The frame geometry varies with size, and with a slightly longer wheelbase than our pure racing cycles, the handling is more predictable and stable and allows the rider to concentrate more on speed than on controlling the bike in a straight line.

The stiffness of the rear triangle, however, ensures that there is no loss of power transmission when stoking hard on the pedals. Frame and fork ends are fitted with eyes to enable mudguards to be fitted for winter training, and clearances are sufficient for a narrow lightweight guard with no toe clip overlap when correctly adjusted. Main frame tubes are 531 butted, with taper gauge 51 fork blades.

Wheels
Hollow section Weinmann rims are used for strength and rigidity, and are shod with Pro-Lite tyres, which are not only extremely light in weight but also have very low rolling resistance on the road. The soft Kevlar bead makes them easy to fit and remove, and of course they can be folded if a spare is carried.

Transmission
Derailleurs are Shimano New 105 with indexed levers, ensuring perfect gear changes every time. The New 105 chainset features Bio-Pace chainrings, giving improved pedalling efficiency with an action that more closely matches the cadence of the human legs when walking or running.

The pedals are very special — a wide platform design offering full foot support, with a detachable plate allowing use with conventional cycling shoes with cleats when removed, and running/training shoes when in place. Gearing is also slightly wider than normal racing ratios, which together with the Bio-Pace chainrings optimises performance opportunities.

Saddle
A new design from Selle Royal; the narrow styling reduces chafing, whilst the special covering material improves grip on wet clothes. The nylon chassis also incorporates a sprung area ensuring the best combination of support and comfort.

Other Features
Twin bottle cages are fitted as standard, and the direct fit pump is accommodated under the top tube. Handlebar size varies with frame size — 400mm width/medium drop on 54.5 and 57cm sizes, 420mm width/deep drop on 59.5 and 62cm sizes. Aero brake levers feature comfortable ergonomically designed covers for “on the hoods” riding, and the cushion tape provides a comfortable grip for other positions.

Frame Size
- 54.5cm
- 57cm
- 59.5cm
- 62cm
The Quadra offers all the features of the Triathlon plus dramatic styling, the latest generation hollow section aero-styled alloy rims with dark grey anodising, and butted, stainless steel spokes for lighter, more durable wheels.

Frame Size
- 54.5cm
- 57cm
- 59.5cm
- 62cm
The Quadra offers all the features of the Triathlon plus dramatic styling, the latest generation hollow section aero-styled alloy rims with dark grey anodising, and butted, stainless steel spokes for lighter, more durable wheels.

Frame Size
- 54.5cm
- 57cm
- 59.5cm
- 62cm
Strength, lightness and durability are guaranteed with this handbuilt Reynolds 531 ATB frame, giving lively, responsive handling both on and off road. The 18 gears are quickly and accurately selected using indexed gear change, anodised Weinmann rims provide the strong wheels required for serious off roading and Shimano's new U brake is mounted under the rear chainstays for powerful stopping and stylish lines. Adaptability is built in by providing mounts for carriers and mudguards.

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>49cm</th>
<th>53cm</th>
<th>57cm</th>
</tr>
</thead>
</table>

ATB 18

The heart of any bike is the frame, and this is hand brazed in Reynolds 531 ATB tubing with a matching 531 fork. The components are the Shimano New Decade group set, including SIS index shift gears, XT pedals and U brake. With a multi-adjust alloy seat pin and quick release seat bolt, an alloy handlebar, anodised Weinmann rims plus the full complement of braze ons and eyelets this completes the picture of the ultimate mountain bike. The shark-fin deflector on the chainstay ensures no jamming of chain against tyre.

| Frame Size | 49cm | 53cm | 57cm |
GEMINI
A bike for all reasons

HAVE YOU EVER WONDERED...
why lightweight sports bikes usually have drop bars,
or why town bikes can be heavy and slow?

What if you want a top quality handbuilt lightweight bike in the very best materials? You don't want to race, pedal up mountains, or go long distance touring. You want a general purpose leisure bike that is equipped with the best quality components.

What bike do you choose?
We didn't have the answer.
So it was back to the drawing board.
It had to be:

- **Responsive, light yet comfortable.**
  So we started with a totally lightweight frame with touring bike geometry and added wide section tyres.

- **Easy to control, with good visibility.**
  So we gave it a very stable mountain bike style flat handlebar and added thumb operated gear selectors, with indexed gear change.

- **Safe and practical, an all purpose leisure bike, but lots of fun.**
  So we gave it light weight mudguards and cantilever brakes, then we included a quick release front wheel for ease of transport. That was it, we had the answer.

GEMINI
Available as a 6 speed for uncomplicated easy cycling, or an 18 speed with full Shimano ensemble for those with more distant horizons.

6 Speed
- Colour: Aquamarine highlights on a white base.
- Frame Sizes:
  - Ladies 48, 52, 56cms.
  - Gents 54, 57, 60, 64cms.

18 Speed
- Colour: Charcoal highlights on a white base.
- Frame Sizes:
  - Ladies 48, 52, 56cms.
Since its introduction, the Randonneur has not only become an extremely popular model, but has probably been more intensively tested than any other production bicycle. The Four Corners bike ride and the British Army trans-Himalayas expedition are two major tours undertaken in 1987 using stock models.

"For any bicycle to prove so strong, reliable, well designed and well made is a great credit to both its designer and its makers. The parts used are of top specification, yet the machine still succeeds in being much more than just the sum of its parts."

Major John Gamlin FRGS,
British Army Trans Himalayas Expedition.

**KEY FEATURES**

**Frame**
New design with full Reynolds 531 ST tube set and Shimano forged vertical dropouts.

**Fork**
Forged crown with 531 blades and Shimano double eyelet forged ends.

**Brakes**
Shimano Cantilever with lined cables and 600 EX levers.

**Wheels**
Maillard sealed bearing 600 CX quick release hubs offer high protection against water and dirt ingress into the bearings. Rims are Mavic M520 hard anodised hollow section for maximum rigidity, and the stainless spokes are single butted 13/14 gauge at the rear for strength.

Tyres are the new Michelin Select 700 x 28C semi-slick incorporating all the latest developments in tread design and rubber compound technology.

**Transmission**
The chainset is the Shimano FC-M730 BIO-PACE with forged anodised cranks and 48-38-28 chaining. A Shimano Deore indexed derailleur is fitted ensuring smooth, accurate gear changes under all conditions.

**Carriers**
Front and rear alloy carriers are included in the specification - the front is low-rider style, and the rear a Blackburn four-point fixing type.

**Pedals**
The Shimano PD-T100 is a uniquely styled platform pedal offering the option of using either broader training/walking shoes or, by removing the plastic insert, conventional cycling shoes with cleats. Toe clips and toning leather straps are naturally provided.

**Accessories**
Two spare spokes are carried on brazed on mounts on the chainstay, and these also serve to protect the chainstay from damage by the chain.
### Lightweight Technical Specifications

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<th>RECORD ACE MODERNE</th>
<th>ROAD ACE SELECT</th>
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<tr>
<td>Frame</td>
<td>Full 510 Tube Set, All Terrain Geometry, Forged Vertical Drop Outs</td>
<td>Full 510 Tube Set, All Terrain Geometry, Vertical Drop Outs</td>
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<tr>
<td>Fork</td>
<td>Investment Cast Crown, 531 Blades</td>
<td>Investment Cast Crown, 531 Blades</td>
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<tr>
<td>Headset</td>
<td>Shimano 505</td>
<td>Shimano 8000 Ultra-Light</td>
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<td>Wheels</td>
<td>Rims — Shimano 510, Double Butted Spokes — Stainless Steel, 14 Gauge Double Butted, Tyres — Tires Evolution High, 700 x 23C</td>
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<td>Handlebar</td>
<td>Cinelli Type 64, Cushion Tape</td>
<td>Cinelli Type 64, Cushion Tape</td>
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<tr>
<td>Stem</td>
<td>Cinelli Type 1A, Alloy</td>
<td>Cinelli Type 1C, Alloy</td>
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<tr>
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<td>Shimano Utegra, Oversized Double Butted</td>
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<tr>
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<td>Shimano 52/34 Biopace</td>
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<td>Shimano 505 Alloy Platform</td>
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<tr>
<td>Other features</td>
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<th>MODEL</th>
<th>TEAM COMPETITION</th>
<th>CORSA</th>
<th>QUADRA</th>
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<td>3 Tubes 531 Butted, Racing Geometry</td>
<td>3 Tubes 531 Butted, Racing Geometry</td>
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<td>Brakes</td>
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<td>Exage 440, Aero-Jaws with Quick Release</td>
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### Model Ozark II

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<th>MODEL</th>
<th>AVANTI</th>
<th>ROYAL</th>
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<tr>
<td>Frame</td>
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LIGHTWEIGHT DISTINCTIONS

All Raleigh Lightweight frames are handbuilt using Reynolds famous Manganese Molybdenum alloy tubing, in sets specifically designed for the intended purpose of the bicycle.

Reynolds newest tube set combining a stronger, stiffer material specification, with thinner tube wall thickness to reduce overall weight.

A specially developed tube set for racing cycles, combining lightness with high strength. To improve the weight characteristics and looks, we use the slimmer 531 Pro backstays.

A tube set designed specifically for lightweight touring, with improved weight characteristics and high performance stays to take the strain of heavy pannier loads.

Heavy duty sets with oversize tubing give the performance required for off-road use. The custom frame tube set is teamed with a unicrown style carbon steel fork, whilst the full 531 ATB set features taper gauge fork blades in 531 material.

Indicates a frame where the three main tubes are in Reynolds 531 butted material. High tensile carbon steel tube is used elsewhere, except where, as indicated, the fork is also in Reynolds material. As a rule, we use the 3 tubes from the 531C set for racing and training geometry frames, and 3 tubes from the 531ST set for touring geometry frames.

For details of our full range of framesets see the Raleigh Frameset Catalogue.

HAND BUILT BY CRAFTSMEN

Each model is hand-assembled by individual craftsmen. The exclusive touch: a card, with your bike, signed by the man who actually built it (not on Critérium, Record Sprint or Zenith).

RALEIGH SPECIALIST LIGHTWEIGHT DEALER

After you've perused this catalogue — and tentatively chosen the cycle, or cycles, you'd like to see — call on your Specialist Lightweight Dealer. He has the range and the information that'll help you make up your mind.

THE RALEIGH 15 YEAR GUARANTEE

Every bicycle in this catalogue carries the Raleigh 15 year guarantee on frame and forks plus a 1 year guarantee on all other components. See the Raleigh Bicycle Guide for details.

This catalogue is one of a set of 5 available free from your Raleigh dealer. All the bicycles shown in this catalogue are available from your RALEIGH DEALER —