



**THE RALEIGH
RACING FORMULA**

RALEIGH

RALEIGH

Precision, quality and value for money are the key features of TI Raleigh's new lightweight range now being produced in a custom built workshop, acknowledged as being the most advanced of its kind in the world.

Opened in October 1981 by former Raleigh Professional Multi-World Sprint Champion Reg Harris, the new Lightweight Unit combines experience and craftsmanship with the latest technology to ensure that the top of the range 531 models shown in this booklet are superbly engineered down to the most minute detail. This means extreme care not only in producing the frame and forks – the vital heart of any bicycle – but the components which go towards making the complete machine, from lightweight tourer to pure racer. And all parts will have gone through the most exhaustive performance and durability trials in our Test Department.

Naturally only the best TI Reynolds tubing is used and the components to go with it are the ones the experts would use if they were building up their own specialist machine.

Our growing links with Campagnolo, who have chosen our European Pro-Racing Team for their main sponsorship, mean that all our 1982 range of 531 bikes are fitted with their gears. The other components come from the 'league leaders' like Cinelli, Weinmann, Sun Tour, SR, Mavic, ISCA and Clement.

But while our Lightweight Unit is the acknowledged leader in its class, our Specialist



Bicycle Development Unit at Ilkeston offers something even more refined – the expertise that builds machines for the TI Raleigh Campagnolo Racing Team and a host of World and National Champions on road and track.

Headed by Gerald O'Donovan, the small team at Ilkeston has been responsible for advanced developments in material design and use, in conjunction with TI Reynolds, and they can build the right frameset for every rider and every occasion.

And this does not just mean building every frame in ultra light TI Reynolds tubing. Experience gained in top class international racing means getting the right combinations of materials, angles and clearances to suit the rider and the event.

So that, briefly, is the Raleigh Lightweight Story. Look through our range, check the technical specifications and then visit your local Raleigh Dealer. Whatever specification you are looking for, we can give it to you. Precisely.



TEAM REPLICA 12

Campagnolo Nuovo Record ensemble including gear, chainset, brakes, pedals, seat pin and small flange quick-release hubs. TI Reynolds 531 Team Professional frameset. Mavic GP4 alloy sprint rims. Clement Ritmo tubular tyres. Cinelli alloy bend and stem.

Colour: Raleigh Team colours.

Frame size:

Choice of 8 frame sizes from 52cm (20½") to 65cm (25½").

Available to special order. Allow three months for delivery.

GRAN SPORT 12

Campagnolo Gran Sport ensemble including gear, headset, brakes, chainset, pedals, and seat pin. Full TI Reynolds 531 frame. Weinmann concave section alloy rims and Campagnolo Nuovo Tipo quick release hubs. Cinelli alloy bend and stem. ISCA Tornado suede saddle.

Colour: Pearl Caramel

(or Raleigh Team colours with sprint rims and tubular tyres).

Frame size:

51cm (20") 700 x 25 wheels.
 54cm (21") 700 x 25 wheels.
 57cm (22½") 700 x 25 wheels.
 60cm (23½") 700 x 25 wheels.
 64cm (25") 700 x 25 wheels.





RECORD ACE 12

Campagnolo Gran Sport gear. SR Custom alloy cotterless chainset. Sun Tour Ultra 6 freewheel and chain. Weinmann 605 alloy quick release side-pull brakes. 73° parallel TI Reynolds 531 frame. Engraved Italiane alloy handlebars with forged alloy stem. Esge narrow section gold chromoplastic mudguards.

Colour: Ice Green.

Frame size:

54cm (21")	27" wheels.
57cm (22½")	27" wheels.
60cm (23½")	27" wheels.
64cm (25")	27" wheels.

COMPETITION 12

Campagnolo Gran Sport gear. SR Custom alloy cotterless chainset. Sun Tour Ultra 6 freewheel and chain. Weinmann 605 alloy quick release side-pull brakes. 74° parallel TI Reynolds 531 frame. Competition small flange quick release hubs.

Frame size:

54cm (21")	700 x 25 wheels.
57cm (22½")	700 x 25 wheels.
60cm (23½")	700 x 25 wheels.
64cm (25")	700 x 25 wheels.

Colour: Polar Blue.





CLUBMAN 12

Campagnolo 980 gear. SR alloy cotterless 5-pin detachable chainset with alloy chainring guard. Weinmann alloy rims with small flange quick release hubs. Sun Tour Ultra 6 freewheel and chain. Weinmann 610 alloy centre-pull brakes with quick release levers. 73° parallel TI Reynolds 531 frame with

double-budded main tubes. Esge narrow section gold chromo-plastic mudguards. Alloy pedals fitted with toe clips and straps.

Colour: Claret.

Frame size:

54cm (21")	27" wheels.
57cm (22½")	27" wheels.
60cm (23½")	27" wheels.
64cm (25")	27" wheels.

RAPIDE 12

Campagnolo 980 gear. SR alloy cotterless 5-pin detachable chainset. Sun Tour Ultra 6 freewheel and chain. Weinmann 500 alloy quick release side-pull brakes. 74° parallel TI Reynolds 531 frame with double-budded main tubes. Weinmann alloy rims with small flange quick release hubs. Alloy pedals fitted with toe clips

and straps and fluted alloy seat pin.

Colour: Fern Green.

Frame size:

54cm (21")	700 x 25 wheels.
57cm (22½")	700 x 25 wheels.
60cm (23½")	700 x 25 wheels.
64cm (25")	700 x 25 wheels.





Ase van den Hoek

Gerard Veldschoten

Ad Wijnands

Johan van de Velde

Gerrit Knetemann

Ludo de Keutermaat

Ludo Peeters

Jan Raas

Jules de Wever

Peter Post

Henk Lubberding

Frits Pirard

Cees Prien

Jacques Hanegraaf

Leo van Vliet

Frank Hoste

RALEIGH *Campagnolo*

1982 PROFESSIONAL RACING TEAM

Equipment includes: TI Raleigh framesets in Reynolds 753 tubing. Campagnolo ensemble. Mavic rims. Cinelli stems and handlebars. Clement tyres. ISCA saddles. Cars by Mercedes Benz.

What's behind the name on the frame?

If a cycle frame carries the Reynolds 531, 531SL or 753 transfer it has a matchless combination of qualities.

Reynolds frames achieve levels of responsiveness, lightness and strength, demanded by world champions and winners in all facets of the sport.

Why seamless tube throughout?

Precision cold drawn seamless tube has all the right physical properties for the manufacture of Reynolds frame sets. Its quality, consistency and strength to weight ratio provide the most economical starting point to achieve Reynolds unique frame characteristics.

We use manganese-molybdenum steel because it has a 50 ton tensile strength and retains a far greater proportion of its strength after brazing than other competitive materials. Therefore, you can achieve a far stronger frame for a given weight or a far lighter frame for a given strength. Only a frame carrying the Reynolds name has this significant advantage.

Why transfers?

Reynolds transfers are your guarantee of the tube in your frame and are strictly controlled to protect the cyclist, dealer and bicycle manufacturer.



Why taper gauge fork blades?

Why manganese-molybdenum throughout?

Why double butted frame tubes?

Why Reynolds seat and chain stays?

When ordinary tube is tapered, the process causes it to thicken towards the tip, giving undesirable performance characteristics. Reynolds single butt the tube first so that after tapering the result is a fork blade that has constant gauge throughout giving strength at the crown with all the resilience you need. There's a variety of fork rakes and tip forms to suit all purposes from racing to touring.

The butting process invented by Reynolds gives tube strength where stress is greatest - at the joints, and lightness in the centre of the tube for improved performance. Tube walls are thickened at the ends and thinned at the centre while retaining a constant outside tube diameter.

When the rest of the frame achieves the high performance of Reynolds components it is important that seat and chain stays are designed to match. A full range made in manganese-molybdenum will meet all specification requirements.



Reynolds right from start to finish.



...trust it



TI Reynolds Limited, PO Box 232, Hay Hall, Redfern Rd, Tyseley, Birmingham, England, B11 2BG. Telephone: 021 706 3333. Telex: 338181

For quantities of 500 sets or less, contact The Holdsworth Co. Ltd, Oakfield Road, London, England, SE20 8DE. Tel: 01 659 1811. Telex: 947 073.



GET INTO GEAR

Getting into Gear with TI Raleigh means much more than choosing the right bike for your style of riding, whether it's out-and-out racing, touring or quiet weekend cycling.

The right type of clothing can mean keeping dry in the rain and warm in winter.

Raleigh wear is produced by experts based on the designs of the clothing worn by the TI Raleigh Campagnolo professional racing team. Racing vests, shorts, caps, tracksuits and track mitts are stylish and functional in a range of sizes. There are even racing vests for children.

This experience has now been extended

into other sports and leisure accessories, including ladies' jogging suits, sweatshirts, T shirts, sports bags, pullovers, rainsuits and rain tops. All produced to the same quality as the racing clothing.

For the bike itself, the Raleigh Ralpar range includes panniers, locks, handlebar tape, grips and end stops, touch-up paint spray cans and much more, for security and safety.

All of the Get into Gear and Raleigh Ralpar items are available through your Raleigh dealer.

Get into Gear with Raleigh and Ralpar.



FRAME SETS

If you're really looking for a first-class performer you can get an off-the-shelf Raleigh Professional 531 Team Replica frameset with 73°/74° geometry, Campagnolo Record headset, Vagner fork crown and Campagnolo fork ends in a choice of six frame sizes from 52cm (20½in) to 65cm (25½in).

On the other hand, if you want a specialist machine built to your own specifications you'll probably want an ultra light-weight frame in Reynolds 753

tubing as shown in the picture. Developed in close co-operation with us, this high strength manganese-molybdenum tubing is acknowledged as the world's best by top professional riders. TI Raleigh Team framesets are handmade in Ilkeston by the men behind the world's most successful professional racing team.

You can share in the vast experience of this team by having a 753 frameset built to your own exclusive specification.

753 Dynafite

We can also offer a limited supply of framesets in our exciting Dynafite ovoid tubing. Each tube is designed and shaped for its specific role in the frame.

531

The original favourite on which Team Raleigh made its name. We make 531 frames for any form of cycle sport.

531 SL

A lighter alternative to 531, particularly suitable for road and

track time trials. Also for use on road race machines on better road surfaces.

Specialist Unit

For full details of all these specialist frames in the TI Raleigh Team range contact your local dealer. Or write direct with full details of your own requirements to:

Specialist Bicycle Development Unit,
TI Raleigh Ltd., Digby St., Ilkeston,
Derbyshire.

To TI Raleigh, Lenton Boulevard, Nottingham.
Please send me your free colour catalogue.

Name _____

Age _____

Member of Cycling Club _____

Address _____

For further information about all the models in the Raleigh Racer range just send off the coupon for a free colour catalogue.



Our policy of continual improvement means that product specification and appearance may be changed while the booklet is still in use. Spring 1982.

RALEIGH

TI RALEIGH LTD, NOTTINGHAM, ENGLAND.