

CHALLENGE 2005





Fujin

Seat height 35 cm / 13.8" *)
 Bottom bracket height ca. 58 cm / 22.8"
 Wheelbase 123 cm / 48.4"
 Seat angle 23°, 26° and 29°
 Wheel size 20" / 26" (ETRTO 406 / 559)
 Average weight 15.5 kg / 34 lbs
 Sports weight approx 12.3 kg / 27 lbs
 Total weight limit max 125 kg / 270 lbs
 Frame aluminium alloy
 Rear stays aluminium alloy
 Front fork Cro-Mo steel 1"
 Baggage capacity max 25 kg / 55 lbs
 Day rack for 2 small panniers
 Travel rack system side racks
 Above Seat Steering folding tiller steering, adj.
 Under Seat Steering not available
 Rear suspension yes
 Front suspension optional

*) 40 cm with front suspension



Mistral

Seat height 53 cm / 21"
 Bottom bracket height ca. 64 cm / 25.2"
 Wheelbase 108 cm / 42.5"
 Seat angle 30 - 42°
 Wheel size 20" / 20" (ETRTO 406 / 406)
 Average weight 15 kg / 33 lbs
 Sports weight approx 12.8 kg / 28 lbs
 Total weight limit max 125 kg / 280 lbs
 Frame aluminium alloy
 Rear stays steel
 Front fork Cro-Mo steel 1"
 Baggage capacity max 25 kg / 55 lbs
 Day rack aluminium rack 12 kg/27 lbs
 Travel rack system pannier racks / side racks
 Above Seat Steering folding tiller steering, adj.
 Under Seat Steering indirect, precision coupling
 Rear suspension yes
 Front suspension yes



Hurricane

Seat height 38 cm / 15.0" *)
 Bottom bracket height ca. 54 cm / 21.3"
 Wheelbase 106 cm / 41.7"
 Seat angle 25 - 31°
 Wheel size 20" / 20" (ETRTO 406 / 406)
 Average weight 15 kg / 33 lbs
 Sports weight approx 12.5 kg / 27.5 lbs
 Total weight limit max 125 kg / 280 lbs
 Frame aluminium alloy
 Rear stays steel
 Front fork Cro-Mo steel 1"
 Baggage capacity max 25 kg / 55 lbs
 Day rack aluminium rack 12 kg/27 lbs
 Travel rack system side racks
 Above Seat Steering folding tiller steering, adj.
 Under Seat Steering indirect, precision coupling
 Rear suspension yes
 Front suspension optional

*) 43 cm with front suspension



Seiran

Seat height 62 cm / 24.4"
 Bottom bracket height ca. 80 cm / 31.5"
 Wheelbase 126 cm / 49.6"
 Seat angle 27° and 31°
 Wheel size 26" / 26" (ETRTO 559 / 559)
 Average weight 15.5 kg / 34 lbs
 Sports weight approx 12.3 kg / 27 lbs
 Total weight limit max 125 kg / 270 lbs
 Frame aluminium alloy
 Rear stays aluminium alloy
 Front fork aluminium alloy, 1"
 Baggage capacity max 25 kg / 55 lbs
 Day rack aluminium rack 12 kg/27 lbs
 Travel rack system pannier racks / side racks
 Above Seat Steering folding tiller steering, adj.
 Under Seat Steering indirect, precision coupling
 Rear suspension yes
 Front suspension optional



CHALLENGE 

WWW.CHALLENGBIKES.COM

Challenge b.v.
 Anklaarseweg 35
 7316 MA Apeldoorn
 The Netherlands

Phone: +31 555 212 405

Fax: +31 555 213 173

www.challengebikes.com

Twenty years ago recumbents looked like office chairs on wheels held together with garden fencing. Passers-by would stop and stare. Times have changed. People may still stop and stare but the modern recumbent is where the push for constant cycle innovation is taking place. These bikes are awesome pieces of engineering providing the ultimate in comfort and intelligence in design.

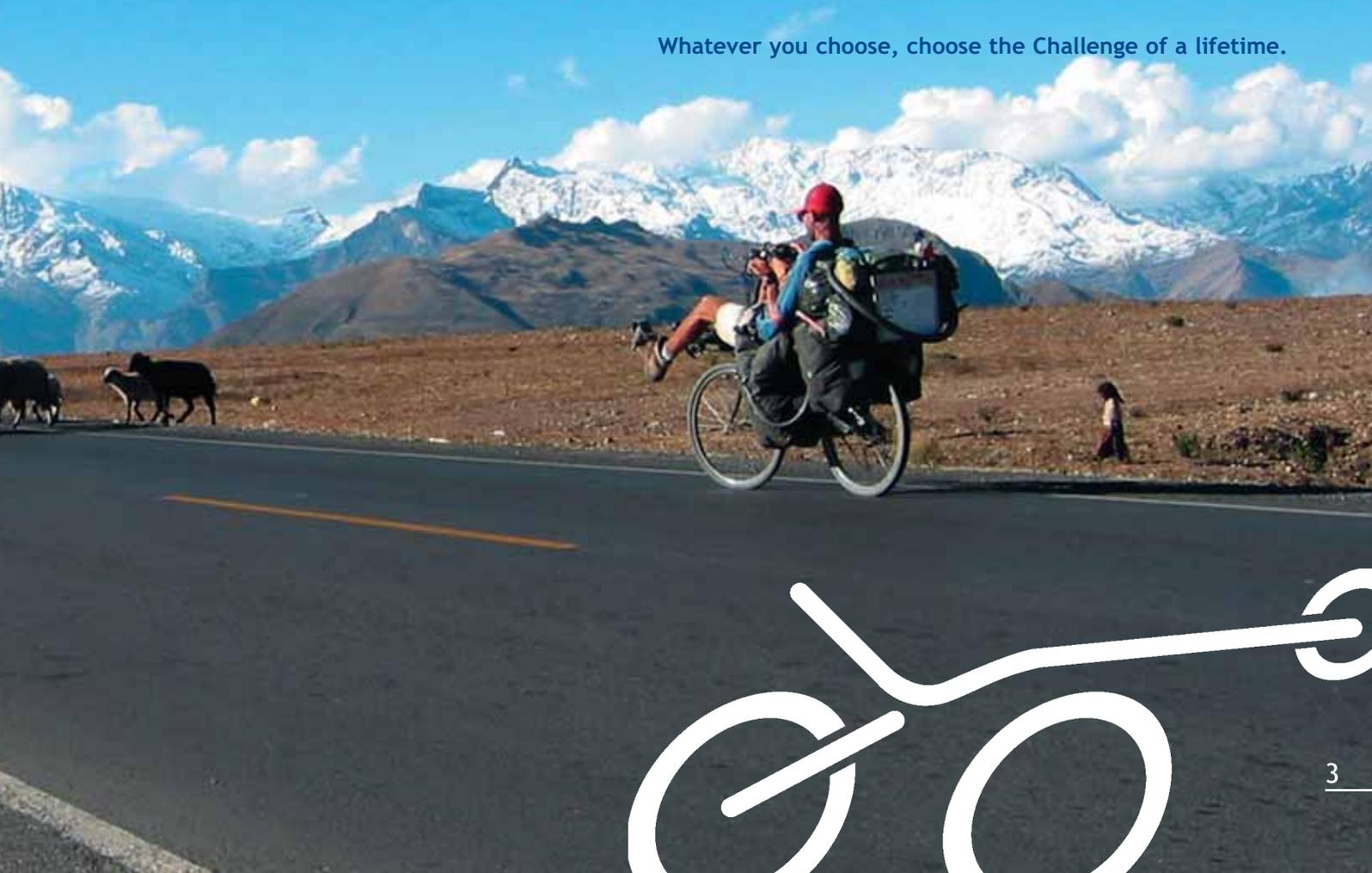
Check out these bikes, all original Challenge designs, all geared towards someone in particular. You.

Whether you're touring the globe or country, blasting the daily commute or racetrack, we've got your bike. Whether you're a recumbent virgin or a doyen of the down and low. Challenge build a bike for you and your ride.

Riding a recumbent is laid back, comfortable and fast. It's also a turn from the crowd. That's why Challenge put so much time and effort into good looks as well as technology, and the bikes radiate both. Special colours (or combinations) are available as are special builds. Many of the components we use are produced specifically for Challenge, ensuring not only top quality, but also that your bike is as unique as you are.

How to find out which will suit you? Read up on them and make note of your requirements. This brochure can help you with that. The final choice should be made after a visit to one of our dealers, where you can experience for yourself the difference of seat and pedal height; angle of seat; suspended or not. Our dealers have the skills and knowledge to help you choose.

Whatever you choose, choose the Challenge of a lifetime.



Fujin

The Fujin combines the comfort of the suspended Taifun with the racing pedigree of the Jester. With its 26" rear wheel, 35cm seat height and 123cm wheelbase, the Fujin is perfect for going, really far, really fast. The rear suspension provides far more comfort than is usually found in this category of bike. For the rider seeking the ultimate comfort racer, we offer the Fujin

with the Challenge front suspension system.... perfect! For the greyhounds out there we also offer a hardtail racing version.

Specifications

Basic Model 16 speed	€ 1.875,00
Rear Derailleur Shimano Tiagra	
Front Derailleur Shimano Tiagra	
Hubs Shimano Deore 525	
Brakes Tektro Mechanical Disk Brakes	
Shifters Twist shifters	
Chainset Aluminium 53/39 T	
Cassette SRAM powerglide II 8v 11-28 T	
Rims Aluminium Aero	
Tyres Swalbe Stelvio	
Carrier Optional	

Options

Tektro Augira Hydraulic Disc Brakes	€ 190,00
Shimano Deore 525 Hydraulic Disc Brakes	€ 250,00
Magura Louise Hydraulic Disc Brakes	€ 310,00
Challenge Front Suspension	€ 290,00
Mudguards	€ 45,00
Pannier rack for two small panniers	€ 115,00
Side racks (for recumbent sidebags)	€ 50,00

General options on page 14

Gear Options

Upgrade SRAM 18v X.7	€ 65,00
SRAM X.0 twist shifters, SRAM X.7 rear derailleur, SRAM powerglide 970 11-32 cassette, PC59 chain	

Upgrade SRAM 18v X.9	€ 160,00
SRAM X.0 twist shifters, SRAM X.9 rear derailleur, Shimano Tiagra chainset, SRAM powerglide 990 11-34 cassette, PC59 chain	

Upgrade Shimano Ultegra / 105	€ 275,00
Attack SRS twist shifters, Shimano 105 Front and Ultegra Rear Derailleur, Shimano 105 Chainset, 53/39T, HG70 9Sp 12-25 cassette, PC 59 Chain	

Sports Options

Lightweight aluminium Seat (medium only, no pannier rack possible)	€ 90,00
Katana Aeroblade single sided fork with Challenge Luxe hollow monohub	€ 440,00
Rigid Titanium Steerer	€ 120,00
55T Chain wheel alu 7075 T6 integrated chain guard	€ 90,00
Velocity Rims with American Classic Hubs and SAPIM spokes	€ 180,00
Shimano XTR or Magura Marta Disc Brakes	€ 400,00
Carbon chain set + ISIS bracket axel	depends on gear option



Recumbent sidebags, ideal for touring. The weight of the bags is transferred through the seat, this keeps the unsuspended weight low (i.e. the wheels) and is essential for maintaining good handling characteristic when riding a heavily loaded bike.



The suspension of the Fujin and the Taifun.



Mistral

The Mistral has been heralded by many as the high Hurricane. This compact bike shares many characteristics with its stable mate the Hurricane including it's

lightweight and manoeuvrability. But, the Mistral also has much in common with the Wizard. For example, the chainline is straight without rollers and the seat is higher and more upright. The Mistral lends itself to long, extended tours and short, fast day rides alike.

Specifications

Basic Model 16 Speed	€ 1.490,00
Rear Derailleur Shimano Deore	
Front Derailleur Shimano	
Hubs Shimano Deore	
Brakes Shimano Deore V Brakes	
Shifters Twist shifters	
Chainset Aluminium 60/42 T	
Cassette SRAM powerglide II 8v 11-28	
Rims Aluminium Aero	
Tyres Vredestein Montecarlo	
Rear carrier Included (see picture)	

Options

Magura Hydraulic Rim Brakes HS33 Black	€ 170,00
Tektro Mechanical Disc Brakes	€ 140,00
Tektro Augira Hydraulic Disc Brakes	€ 330,00
Shimano Deore 525 Hydraulic Disc Brakes	€ 390,00
ZOOM Adjustable Front Suspension	included
Challenge Front Suspension	€ 240,00
Mudguards	included
Side racks (for panniers)	€ 50,00
Kickstand	€ 15,00
Upgrade Mistral DeLuxe (incl. Tektro Mechanical Disc Brakes)	€ 590,00

General options on page 14

Gear Options Above Seat Steerer

Upgrade SRAM 18v X.7	€ 65,00
SRAM X.0 twist shifters, SRAM X.7 rear derailleur, SRAM powerglide 970 11-32 cassette, PC59 chain	
Upgrade SRAM 18v X.9	€ 160,00
SRAM X.0 twist shifters, SRAM X.9 rear derailleur, Shimano Tiagra chainset, SRAM powerglide 990 11-34 cassette, PC59 chain	
Upgrade Shimano Ultegra / 105	€ 275,00
Chainset, 105 65/52T, HG70 9Sp 12-25 cassette, 105 Front and Ultegra Rear Derailleur, PC 59 Chain, Attack SRS shifters	

Gear Options Under Seat Steerer

Bar-end shifters for base model (non index)	€ 55,00
18 speed Shimano Deore Package	€ 95,00
Chainset, 60/42T, SRAM powerglide 970 11-32 cassette, PC 59 Chain, Bar-end shifters	
18 speed Shimano LX Package	€ 190,00
Chainset Tiagra, 60/42T, SRAM powerglide 990 11-34 cassette, Tiagra Front and LX Rear Derailleur, PC 59 Chain, Bar-end shifters	
18 speed Shimano 105 Package	€ 300,00
Chainset, 105 65/52T, HG70 9Sp 12-25 cassette, 105 Front and Ultegra Rear Derailleur, PC 59 Chain, Bar-end shifters	



In the Mistral Deluxe, the rear suspension is concealed within the frame. The same high-end design of the wishbone rear end of the Mistral Deluxe is also used for the Seiran, Fujin and Taifun.



All of our bikes are able to take a trailer. As well as trailers with a single sided coupling and two wheels, they can also be used with trailers such as the BOB one wheeled trailers. For most trailers there are several types of coupling available making it possible to fit a wide range of trailers to our bikes.



Hurricane

The Hurricane Tour features a longer front and rear fork than the Hurricane Sport, resulting in a slightly higher bike with a longer wheelbase.

It is a bike that you can tour with yet is still fast and exciting. In many ways it offers more possibilities than the Hurricane Sport. An option that compliments the Hurricane Tour is our improved front suspension system. The higher stance also enables larger bags to be fitted, as there is greater ground clearance. If all that isn't enough, fit fatter tyres and head off into the outback, the suspension and greater clearances make off-road touring a real possibility too!

Specifications

Basic Model 16 Speed	€ 1.750,00
Rear Derailleur Shimano Deore	
Front Derailleur Shimano	
Hubs Shimano Deore 525	
Brakes Tektro Mechanical Disc Brakes	
Shifters Twist shifters	
Chainset Aluminium 60/42 T	
Cassette SRAM powerglide II 8v 11-28	
Rims Aluminium Aero	
Tyres Vredestein S-licks	
Rear carrier Included (see picture)	

Options

Magura HS33 Hydraulic Rim Brakes	€ 30,00
Tektro Augira Hydraulic Disc Brakes	€ 190,00
Shimano Deore 525 Hydraulic Disc Brakes	€ 250,00
Magura Louise Hydraulic Disc Brakes	€ 310,00
Singelarm Fork & Challenge Luxe hub	€ 160,00
Challenge Front Suspension (ASS only)	€ 290,00
Mudguards	€ 40,00
Side racks (for recumbent sidebags)	€ 50,00
Kickstand	€ 15,00

General options on page 14

Gear Options Above Seat Steerer

Upgrade SRAM 18v X.7	€ 65,00
SRAM X.0 twist shifters, SRAM X.7 rear derailleur, SRAM powerglide 970 11-32 cassette, PC59 chain	

Upgrade SRAM 18v X.9	€ 160,00
SRAM X.0 twist shifters, SRAM X.9 rear derailleur, Shimano Tiagra chainset, SRAM powerglide 990 11-34 cassette, PC59 chain	

Upgrade Shimano Ultegra / 105	€ 275,00
Chainset, 105 65/52T, HG70 9Sp 12-25 cassette, 105 Front and Ultegra Rear Derailleur, PC 59 Chain, Attack SRS shifters	

Gear Options Under Seat Steerer

Barend shifters for base model (non index)	€ 55,00
--	---------

18 speed Shimano Deore Package	€ 95,00
Chainset, 60/42T, SRAM powerglide 970 11-32 cassette, PC 59 Chain, Bar-end shifters	

18 speed Shimano LX Package	€ 190,00
Chainset Tiagra, 60/42T, SRAM powerglide 990 11-34 cassette, Tiagra Front and LX Rear Derailleur, PC 59 Chain, Bar-end shifters	

18 speed Shimano 105 Package	€ 300,00
Chainset, 105 65/52T, HG70 9Sp 12-25 cassette, 105 Front and Ultegra Rear Derailleur, PC 59 Chain, Bar-end shifters	



State-of-the-art front suspension

The heart of the Challenge front suspension lies in the gas/oil cartridge unit. Depending on your weight you can choose to have a hard or soft set up giving a progressively smooth travel. Because we have used the finest hard wearing materials and high tolerance engineering the Challenge suspension will give many years of reliable service in all climates.



Seiran

When Challenge started out in the late eighties, we only made Hi-Racers, only because at the time, there were no fast, small wheels available. In those days, recumbents were only used for racing. Over time our customers discovered that these bikes were also perfect for extreme travelling. Our Hi-racers evolved in to heavy duty touring bikes. Challenge has returned to the Hi-racer scene with the Seiran. The Seiran combines the best of both worlds, but without compromise. We have raised the standard for frame design and geometry to a new level. The frame is light and fast, yet strong enough to carry all of your luggage over vast distances. If you want to go off-road we can change the rear dropouts to provide loads of clearance.

Specifications

Basic Model 16 speed	€ 1790,00
Rear Derailleur Shimano Deore	
Front Derailleur Shimano	
Hubs Shimano Deore	
Brakes Tekro Mechanical Disc Brakes	
Shifters Twist shifters	
Chainset Aluminium 53/39 T	
Cassette SRAM powerglide II 8v 11-28	
Rims Aluminium Aero	
Tyres Continental Sport Contact	
Rear carrier Included (see picture)	

Options

Tekro Augira Hydraulic Disc Brake	€ 190,00
Shimano Deore 525 Hydraulic Disc Brakes	€ 250,00
Magura Louise Hydraulic Disc Brakes	€ 310,00
Challenge Front Suspension	in development
Travel Carrier system	in development
Mudguards	€ 45,00
Side racks (for panniers)	€ 50,00

Sports options see Fujin
General options on page 14

Gear Options Above Seat Steerer

Upgrade SRAM 18v X.7s	€ 65,00
SRAM X.0 twist shifters, SRAM X.7 rear derailleur, SRAM powerglide 970 11-32 cassette, PC59 chain	

Upgrade SRAM 18v X.9	€ 160,00
SRAM X.0 twist shifters, SRAM X.9 rear derailleur, Shimano Tiagra chainset, SRAM powerglide 990 11-34 cassette, PC59 chain	

Upgrade Shimano Ultegra / 105	€ 275,00
Chainset, 105 53/39T, HG70 9Sp 12-25 cassette, 105 Front and Ultegra Rear Derailleur, PC 59 Chain, Attack SRS shifters	

Gear Options Under Seat Steerer

Barend shifters for base model (non index)	€ 55,00
--	---------

18 speed Shimano Deore Package	€ 95,00
Chainset, 53/39T, SRAM powerglide 970 11-32 cassette, PC 59 Chain, Bar-end shifters	

18 speed Shimano LX Package	€ 190,00
Chainset Tiagra, 53/39T, SRAM powerglide 990 11-34 cassette, LX Front and LX Rear Derailleur, PC 59 Chain, Bar-end shifters	

18 speed Shimano 105 Package	€ 300,00
Chainset, 105 53/39T, HG70 9Sp 12-25 cassette, 105 Front and Ultegra Rear Derailleur, PC 59 Chain, Bar-end shifters	





The subframe of the Seiran provides a simple, strong and effective base for the seating, suspension and the luggage racks. For the greyhounds out there we also offer a hardtail racing version.



The Cirrus, our Hi-racer from the early nineties, was evidently way ahead of it's time.



More Challenge models

Hurricane



The Hurricane Sport with Above Seat Steering is really the original Hurricane, a design that sets the standard for the "Quasi-Lowracer". With its short wheelbase and compact construction, it is a highly manoeuvrable, dialled in bike that begs you to go faster. Over the past few years, the Hurricane has proved itself as a reliable all-rounder and terrific travel companion. Its compactness and direct chainline allow for rapid acceleration and great climbing capabilities. Several customers have requested variations on the hurricane theme including underseat steering and a longer wheelbase; these are now options, which mean that the Hurricane can appeal to an even wider spectrum of riders than ever before.

Seat Height	36 cm / 14,2"
Bottom Bracket Height	ca. 52 cm / 20,5"
Wheelbase	97 cm / 38,2"
Seat Angle	25-31°
Average Weight	15 kg / 33 lbs
Price	As Hurricane Tour

Wizard



The Wizard is a great workhorse! The 26" rear wheel and solid rear rack make it ideal to take all your luggage with you wherever you go. In the city, the seat height puts you at eye contact level with motorists, making the Wizard a great commuter. Out on the open road, that riding position allows you to sit back and enjoy the view. The straight chain line, protected by chainguards, keeps things simple and clean, giving you a great many miles in between servicing. The large rear wheel means that should you feel the need to cut across some rough ground, the rear derailleur is kept well clear of the ground. The front suspension and cargo rack are included as standard.

Seat Height	52 cm / 20,5"
Bottom Bracket Height	ca. 60 cm / 23,6"
Wheelbase	105 cm / 41,3"
Seat Angle	30-36°
Average Weight	16 kg / 36 lbs
Price	as Mistral

JESTER



Taifun



The Jester is the ultimate race model from Challenge. The most stunning design feature of this bike is the way that the frame is formed from a single tube that is split and formed into an elegant wishbone. Both the design and construction are second to none. The bike cries out to go faster so we have included disc brakes as standard, to reign in the speed when you need to! The Jester has been the bike of choice for several world champions.

Seat Height	26 cm / 10,2"
Bottom Bracket Height	ca. 58 cm / 22,8"
Wheelbase	127 cm / 50"
Seat Angle	23°
Average Weight	11 Kg / 24 lbs
Price	from € 2490,-

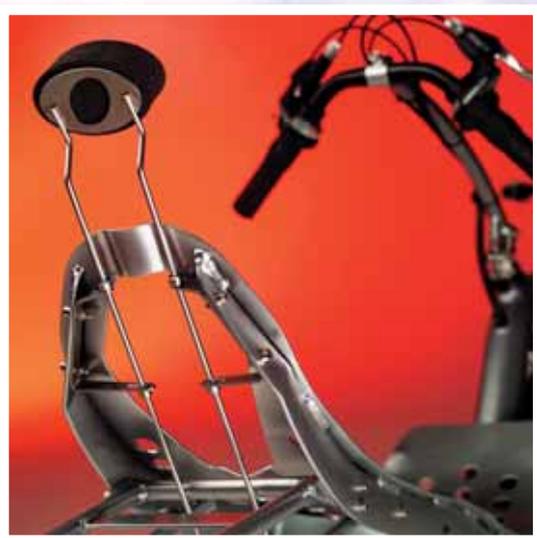
While the Taifun was originally developed as a Hardtail Semi-Lowracer with 20" wheels front and rear for quick handling and blistering acceleration, it has always had far more potential than just out and out speed. So we developed a complimentary suspension system that still retains the beautifully clean lines of the track version yet transforms the bike into a truly versatile all rounder. Race the Taifun or take it touring for a few months... the choice is yours.

Seat Height	33 cm / 13,0"
Bottom Bracket Height	ca. 56 cm / 22,0"
Wheelbase	111 cm / 43,7"
Seat Angle	25°, 28°, 31°
Average Weight	15 kg / 33lbs
Price	As Fujin

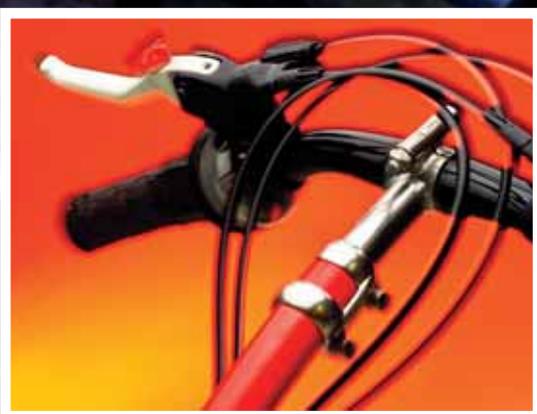


General Options

Telescope for ASS-folding tiller	€ 35,00
B&M Rear view mirror (for above seat steering)	€ 15,00
Lightweight Rear Airshock, up from (depends on model)	€ 90,00
Pump for Rear Airshock	€ 30,00
Shock boot for rear shock	€ 7,00
Headrest Stainless (excl. mounting)	€ 45,00
Coloured Rims (discbrake versions only)	€ 55,00
Velocity Rims with American Classic Hubs and SAPIM spokes	€ 180,00
Aero spoke wheels	€ 865,00
SRAM Dualdrive (up from)	€ 40,00
Rohloff speedhub (up from)	€ 950,00
Ventilated seatcovers (up from)	€ 40,00
Large seat	no extra
Wide seat (medium only)	€ 30,00
Lighting with rim dynamo (Hurricane, Mistral and Wizard only)	€ 70,00
Lighting with Shimano DH-3D70 Dynohub (discbrake version)	€ 190,00
Lighting with Schmidt SON Dynohub (discbrake version)	€ 300,00



Challenge headrest.



Telescope for ASS-folding tiller.

Colors and color specials

Standard, no extra charge:

Luxe, surcharge € 40,00:

Specials, surcharge € 70,00:

Diamond Red, Diamond Blue, Black (glossy)

Black Satin, Diamond Violet, Swan White, Formula Red, Silver Metallic (matte),
Apple Green Metallic

Diamond Cobalt, Red Satin, Electric Orange, Purple Satin, Nuclear Yellow, Ultramarine,
Apple Green Satin, Cherry Red Metallic, Diamond Green, Dark Green Satin, All RAL colors

On recumbents, shorter riders can sometimes experience a few problems when trying to find the right sized bike. For instance with the pedals brought back closer to the seat, they are also closer to the front wheel, which can cause "heel overlap" (where the action of pedalling can interfere with the front wheel). In order to facilitate shorter riders, Challenge offers several solutions to prevent this: shorter cranks, a slightly higher front fork crown and we even offer the Hurricane, Fujin and Taifun as a shorter frame option.

A few words on warranty

Challenge b.v. warrants the aluminium endurance frames and seats of the Challenge bikes to be free from defect in material and workmanship for the original owner for a period of ten (10) years from the date of purchase. The superlight frames (not in this brochure) from Challenge are excluded from this warranty.

The powder coating is warranted to be free from defects in materials and workmanship for the original owner for a period of five (5) years from the date of purchase. All other original components Challenge parts are warranted to be free from defects in material and workmanship for a period of one (1) year from the original date of purchase.

For the complete warranty info, and latest news please visit

www.challengebikes.com

Challenge b.v. retains the right to alter prices and specifications without notice. All prices in euros including Dutch VAT (BTW) and without shippingcost.

October 2004 ©





Matthieu Monceaux, August-2003
Bolivia, Salt Flat of Uyuni,
44,000 km around the world by Challenge bike.