WORLD HOUR RECORD

ONDREJ SOSENKA

49,700 Km/h

ON VUELTA CARBON PRO WR



VUELTA

CARBON PRO WR



WORLD HOUR RECORD
ONDREJ SOSENKA

The Fastest Wheels in the World:

AN EXTRAORDINARY HOUR!

Ondrej Sosenka is the new World Hour Recordman: 49,700 Kms,
beating of more than 200 meters the previous record belonging to Boardman.
Vuelta is proud to have contributed to the World Hour Record with the Vuelta Carbon Pro wheels:
Italian ultimate racing tecnology adopted for the fastest wheels in the world!

VUELTA CARBON PRO WR

WORLD HOUR RECORD
ONDREJ SOSENKA

Vuelta Italy Carbon Pro range of wheels are the first wheels in the world
to adopt and unite the lightweight and rigidity of the carbon fiber rims with the absorbtion-free transmission
of power guaranteed by the alloy and carbon spokes with oversize section and sealed bearing hubs with straighpull:
this is the secret of the success of the Vuelta Italy Carbon Pro wheels in many tests,
like for instance the ones carried out by the German magazines Tour and Triathlon:

TEST N.1
The test n.1 is showing the superior CX (the air penetration coefficient) of the Vuelta Italy Carbon Pro WR compared to any other spoked wheel: indeed only one disc wheel and one 3 spoke wheel show a slightly better CX.

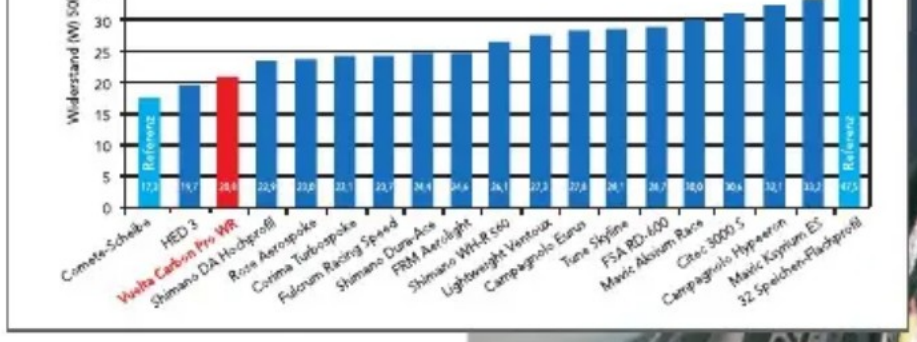
TEST N.2
The reference wheelset is a 32 spoked wheel model adopting low profile alloy rims: this test wants to confirm which wheelset has the best performance in terms of pure speed, with the same power application
(measured by a potenziometer) by the same rider, on the same bicycle: the Vuelta Carbon Pro shows to be the fastest wheelset in the market, gaining 1.33 km/h at 35 km/h and 1,56 km/ at 40 km/h!

TEST N.3
Keeping the same 32 spoked wheelset as reference, this test shows the time which the rider can spare adopting the Vuelta Carbon Pro Wheelset: an astonishing 2.32 mnts in 40 kms and 11.26 mnts in 180 kms!

LIGHTWEIGHT / REACTIVITY + AERODYNAMICS = FASTER SPEED



1



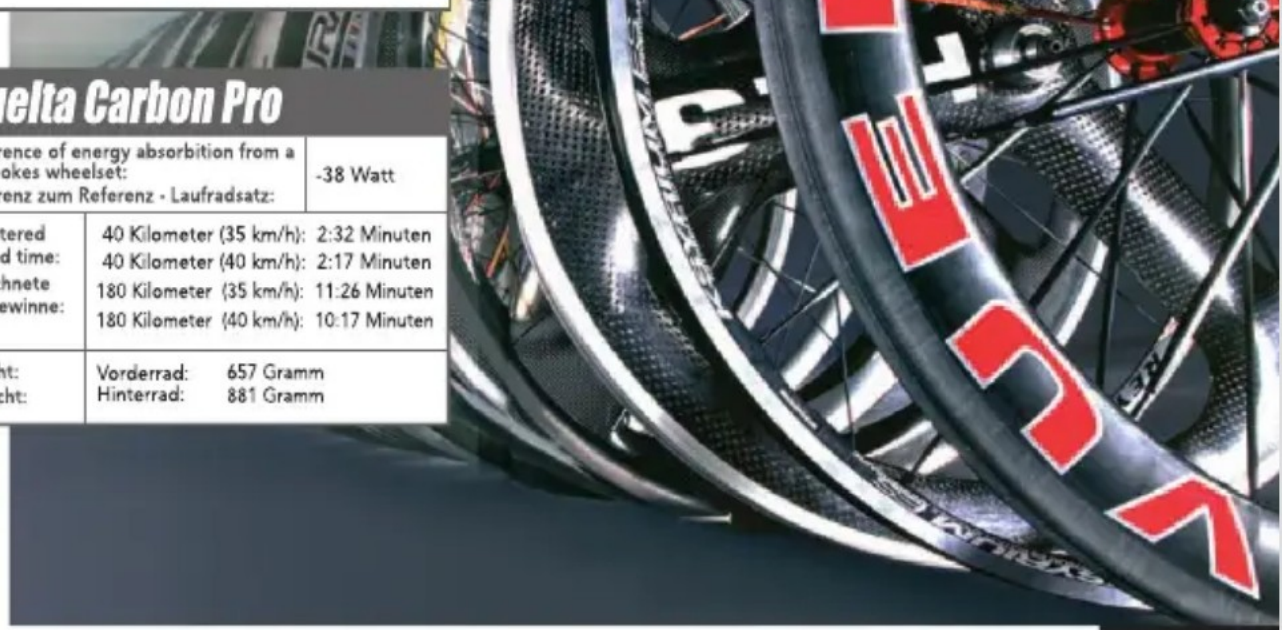
2

Laufradsatz	bei 35 km/h	bei 40 km/h
Vuelta Carbon Pro	1,33 km/h	1,56 km/h
Xentis Mark 1	1,33 km/h	1,56 km/h
Zipp 808	1,31 km/h	1,54 km/h
Bontrager Aeolus	1,22 km/h	1,44 km/h
Zipp 999	1,04 km/h	1,23 km/h
Ritchey Carbon	1,04 km/h	1,22 km/h
Easton Tempest II Carbon	1,02 km/h	1,20 km/h
Lightweight TT	0,95 km/h	0,12 km/h
Mavic Cosmic Carbon	0,78 km/h	0,92 km/h
Corima 3-Spoke+ Scheibe	0,70 km/h	0,82 km/H
Corima 3-Spoke	0,68 km/h	0,80 km/h
Lightweight 12/20	0,67 km/h	0,78 km/h
Corima Aero	0,67 km/h	0,78 km/h
Tune Olympic Gold	0,51 km/h	0,60 km/h
Nimble Crosswind	0,15 km/h	0,17 km/h

3

Vuelta Carbon Pro

Difference of energy absorbition from a 32 spokes wheelset: Differenz zum Referenz - Laufradsatz:	-38 Watt
Registered spared time: Berechnete Zeitgewinne:	40 Kilometer (35 km/h): 2:32 Minuten 40 Kilometer (40 km/h): 2:17 Minuten 180 Kilometer (35 km/h): 11:26 Minuten 180 Kilometer (40 km/h): 10:17 Minuten
Weight: Gewicht:	Vorderrad: 657 Gramm Hinterrad: 881 Gramm



CarbonPRO™

PRO TEAM'S WHEELSETS

RUOTE SERVIZIO CORSE



VUELTA

CarbonPRO™

CHRONO WR

Rear.

Front.



Front: CHRONO/F
Rear Shimano: CHRONO/RS
Rear Campagnolo: CHRONO/RC

VUELTA ITALY MONOCOQUE FULL CARBON PRO
CORSA/TRIATHLON/CHRONO
TUBOLAR MEGA AIRFLOW

-weight: front wheel 950grs - rear wheel 1020grs
1 wheelset 1970grs
-patented spokes in carbon made by Mekken, for extreme reactivity and lightweight: 12 front - 16 rear
-patented nipples ABS with Autoblock System by Alpina-Italy
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette
-85mm extralight Carbon tubolar rims made by Equinox-Gigantex, with ehanced air penetration arrowshaped design (Mega Airflow System)

CarbonPRO

CarbonPRO™
TUBOLAR MEGA AIRFLOW

Rear.

Front.



Front: MEGA/TF
Rear Shimano: MEGA/TRS
Rear Campagnolo: MEGA/TRC

VUELTA ITALY MONOCOQUE FULL CARBON PRO
CORSA/TRIATHLON/CHRONO
TUBOLAR MEGA AIRFLOW

-weight: front wheel 880grs - rear wheel 980grs
1 wheelset 1860grs
-patented spokes in carbon made by Mekken, for extreme reactivity and lightweight: 12 front - 16 rear
-patented nipples ABS with Autoblock System by Alpina-Italy
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette
-85mm extralight Carbon tubolar rims made by Equinox-Gigantex, with ehanced air penetration arrowshaped design
(Mega Airflow System)

New development:
Patented Carbon spokes



CarbonPRO™

CLINCHER MEGA AIRFLOW

Rear.

Front.



Front: MEGA/CF
Rear Shimano: MEGA/CRS
Rear Campagnolo: MEGA/CRC

New development:
Patented Carbon spokes



VUELTA ITALY MONOCOQUE FULL CARBON PRO
CORSA/TRIATHLON/CHRONO
CLINCHER MEGA AIRFLOW

-weight: front wheel 930grs - rear wheel 1060grs
1 wheelset 1.990grs
-patented spokes in carbon made by Mekken, for extreme reactivity and lightweight: 12 front - 16 rear
-patented nipples ABS with Autoblock System by Alpina-Italy
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette
-85mm extralight Carbon tubolar rims made by Equinox-Gigantex, with ehanced air penetration arrowshaped design (Mega Airflow System)

CarbonPRO™

TUBOLAR WR BLACK

Front.

Rear.



Front: WRBTUB/F
Rear Shimano: WRBTUB/RS
Rear Campagnolo: WRBTUB/RC

VUELTA ITALY MONOCOQUE FULL
CARBON PRO CORSA TUBOLAR WR

-weight: front wheel 730grs - rear wheel 860grs
1 wheelset 1590grs
-racing rims 622x16 60mm highwall in monocoque full Carbon for tubolar tyre made by Zipp-USA
-spokes in Avional lite alloy made by Alpina - Italy and CNC machined (Patented), for extreme reactivity and lightweight: 12 spokes front and 16 spokes rear
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette



CarbonPRO™
TUBOLAR WR SILVER

Rear.

Front.



Front: WRSTUB/F
Rear Shimano: WRSTUB/RS
Rear Campagnolo: WRSTUB/RC



VUELTA ITALY MONOCOQUE FULL
CARBON PRO CORSA TUBOLAR WR

-weight: front wheel 730grs - rear wheel 860grs
1 wheelset 1590grs
-racing rims 622x16 60mm highwall in monocoque full Carbon
for tubolar tyre made by Zipp-USA
-spokes in Avional lite alloy made by Alpina - Italy and CNC
machined (Patented), for extreme reactivity and lightweight:
12 spokes front and 16 spokes rear
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and
5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette

CarbonPRO™

CLINCHER WR BLACK

Rear.

Front.



Front: WRBCLN/F
Rear Shimano: WRBCLN/RS
Rear Campagnolo: WRBCLN/RC

VUELTA ITALY CARBON PRO CORSA CLINCHER WR

-weight: front wheel 900grs - rear wheel 980grs
1 wheelset 1880grs
-racing rims 622x16 60mm highwall in full Carbon with lite alloy tyre bed insert for clincher tyre made by Zipp-USA
-spokes in Avional lite alloy made by Alpina - Italy and CNC machined (Patented), for extreme reactivity and lightweight: 12 spokes front and 16 spokes rear
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette



CarbonPRO™
CLINCHER WR SILVER

Rear.

Front.



Front: WRSCLN/F
Rear Shimano: WRSCLN/RS
Rear Campagnolo: WRSCLN/RC



VUELTA ITALY CARBON PRO
CORSA CLINCHER WR

-weight: front wheel 900grs - rear wheel 980grs
1 wheelset 1880grs
-racing rims 622x16 60mm highwall in full Carbon with lite alloy tyre bed insert for clincher tyre made by Zipp-USA
-spokes in Avional lite alloy made by Alpina - Italy and CNC machined (Patented), for extreme reactivity and lightweight: 12 spokes front and 16 spokes rear
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette

CarbonPRO™
TUBOLAR BLACK

Rear.

Front.



Front: CPBTUB/F
Rear Shimano: CPBTUB/RS
Rear Campagnolo: CPBTUB/RC

VUELTA ITALY MONOCOQUE
FULL CARBON PRO CORSA TUBOLAR

-weight: front wheel 750grs - rear wheel 930grs
1 wheelset 1680grs
-racing rims 622x16 50mm highwall in monocoque
full carbon for tubolar tyre made by Gigantex-Equinox
-spokes in Avional lite alloy made by Alpina - Italy and CNC
machined (Patented), for extreme reactivity and lightweight:
12 spokes front and 16 spokes rear
-spoking pattern: radial front - double crossed rear
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and
5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette



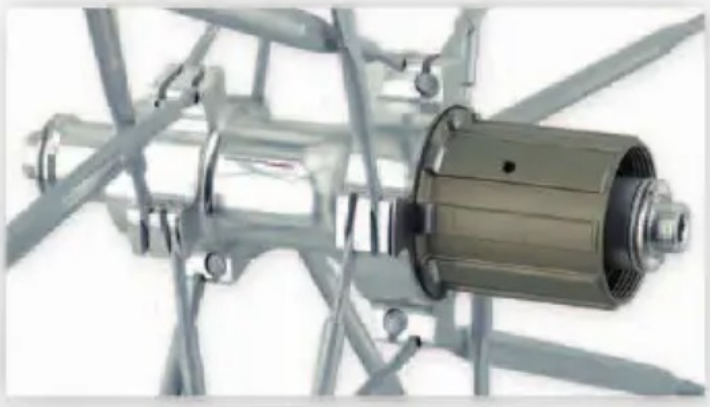
CarbonPRO™
TUBOLAR SILVER

Rear.

Front.



Front: CPSTUB/F
Rear Shimano: CPSTUB/RS
Rear Campagnolo: CPSTUB/RC



VUELTA ITALY MONOCOQUE
FULL CARBON PRO CORSA TUBOLAR

-weight: front wheel 750grs - rear wheel 930grs
1 wheelset 1680grs
-racing rims 622x16 50mm highwall in monocoque full carbon for tubolar tyre made by Gigantex-Equinox
-spokes in Avional lite alloy made by Alpina - Italy and CNC machined (Patented), for extreme reactivity and lightweight: 12 spokes front and 16 spokes rear
-spoking pattern: radial front - double crossed rear
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette

CarbonPRO™
CLINCHER BLACK

Rear.

Front.



Front: CPBCLN/F
Rear Shimano: CPBCLN/RS
Rear Campagnolo: CPBCLN/RC

VUELTA ITALY CARBON PRO CORSA
CLINCHER BLACK

-weight: front wheel 920grs - rear wheel 1030grs
1 wheelset 1950grs
-racing rims 622x16 50mm highwall in full Carbon with lite alloy tyre bed insert for clincher tyre made by Gigantex-Equinox
-spokes in Avional lite alloy made by Alpina - Italy and CNC machined (Patented), for extreme reactivity and lightweight: 12 spokes front and 16 spokes rear
-spoking pattern: radial front - double crossed rear
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette



CarbonPRO™
CLINCHER SILVER

Rear.

Front.



Front: CPSCLN/F
Rear Shimano: CPSCLN/RS
Rear Campagnolo: CPSCLN/RC



VUELTA ITALY CARBON PRO CORSA
CLINCHER SILVER

-weight: front wheel 920grs - rear wheel 1030grs
1 wheelset 1950grs
-racing rims 622x16 50mm highwall in full Carbon with lite alloy tyre bed insert for clincher tyre made by Gigantex-Equinox
-spokes in Avional lite alloy made by Alpina - Italy and CNC machined (Patented), for extreme reactivity and lightweight: 12 spokes front and 16 spokes rear
-spoking pattern: radial front - double crossed rear
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette



VUELTA
ITALIAN RACING INSTINCT

UNIVERSAL CAFFE

PRO TEAMS' WHEELSETS

Vuelta Italy proudly sponsors the PRO Continental Racing Team CAFFE UNIVERSAL:
special thanks to the great help given by the PRO Riders, the Team Managers and the Mechanics
for the R&D of our PRO TEAMS' WHEELSETS.

SUPERLITE

CARBON MATRIX &
SPECIAL ALUMINIUM TECHNOLOGY

VUELTA

SUPERLITE
CarbonPRO™ MATRIX





VUELTA ITALY CARBON PRO MATRIX CLINCHER

-CARBON SPOKES - MEKKEM
-12 spokes front wheel -16 spokes rear wheel
-racing rims 622x13 42mm highwall in Carbon Matrix combined with lite alloy rim for clincher tyre, made by Giant Light Metal.
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette
-weight: 1 wheelset 1480grs

Front: SLCMC/F
Rear Shimano: SLCMC/RS
Rear Campagnolo: SLCMC/RC

VUELTA ITALY CARBON PRO MATRIX CLINCHER

-ALLOY SPOKES - ALPINA in Avional lite Alloy and CNC machined (Patented)
-12 spokes front wheel -16 spokes rear wheel
-racing rims 622x13 42mm highwall in Carbon Matrix combined with lite alloy rim for clincher tyre, made by Giant Light Metal.
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette
-weight: 1 wheelset 1660grs

Front: SLCMA/F
Rear Shimano: SLCMA/RS
Rear Campagnolo: SLCMA/RC

VUELTA ITALY CARBON PRO MATRIX CLINCHER

-SPECIAL STAINLESS STEEL SPOKES - C40 made by ALPINA
-12 spokes front wheel -16 spokes rear wheel
-racing rims 622x13 40mm highwall in Carbon Matrix combined with lite alloy rim for clincher tyre, made by Giant Light Metal.
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette
-weight: 1 wheelset 1750grs

Front: SLCMS/F
Rear Shimano: SLCMS/RS
Rear Campagnolo: SLCMS/RC



SUPERLITE
Carbon Matrix Technology

The Carbon Pro Matrix technology has been successfully developped by Vuelta Italy and Giant Light Metal. for the racing rims in the past 3 years: now for he 2008 range of products Vuelta Italy introduces a full range of Carbon Matrix frames, with a new patented sophisticated Carbon Pro Matrix process, derivated from the aerospace and aircraft industry, for the first time applied in the bicycle frames: thanks to the adoption of the best performances of special aluminunium alloys and of the carbon fibers we are proud to introduce a full range of Carbon Pro Matrix frames: we are able to reduce the thickness of the alloy tubes and create an extremerly light triple butted frame reinforced with the carbon fibers: this allows to increase the latheral strength by 50% and the shocs resistance by over 100%: all the Carbon Pro Matrix frames supplied by Vuelta Italy pass the new CEN European Norms EN14764, EN14766 and EN14781: this Carbon ProMatrix technology applied to the frames opens very wide possibilities of improving the weight and the durability of the high and middle range bicycles.

SUPERLITE
BLACK



Front: SLAS/FB
Rear Shimano: SLAS/RSB
Rear Campagnolo: SLAS/RCB

SUPERLITE
Special Aluminium Technology

VUELTA ITALY SPECIAL ALLOY SUPERLITE RIM

-SPECIAL STAINLESS STEEL SPOKES - C40 made by ALPINA
-12 spokes front wheel -16 spokes rear wheel
-racing rims 622x13 42mm highwall in Aluminium by GLM
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette
-weight: 1 wheelset 1800grs



SUPERLITE
WHITE



Front: SLAS/FW
Rear Shimano: SLAS/RSW
Rear Campagnolo: SLAS/RCW



SUPERLITE
Special Aluminium Technology

VUELTA ITALY SPECIAL ALLOY SUPERLITE RIM

-SPECIAL STAINLESS STEEL SPOKES - C40 made by ALPINA
-12 spokes front wheel -16 spokes rear wheel
-racing rims 622x13 42mm highwall in Aluminium by GLM
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette
-weight: 1 wheelset 1800grs

SUPERLITE
BLACK 20 SPOKES



Front: SLA20/FB
Rear Shimano: SLA20/RBS
Rear Campagnolo: SLA20/RCS

SUPERLITE
Special Aluminium Technology



VUELTA ITALY SPECIAL ALLOY SUPERLITE RIM

-SPECIAL STAINLESS STEEL SPOKES - C40 made by ALPINA
-20 spokes front wheel -20 spokes rear wheel
-racing rims 622x13 42mm highwall in Aluminium by GLM
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-hubs in forged alloy with 2 sealed bearings front
and 4 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette
-weight: 1 wheelset 1900grs

SUPERLITE
SILVER



Front: SLAS/FS
Rear Shimano: SLAS/RSS
Rear Campagnolo: SLAS/RCS

SUPERLITE
Special Aluminium Technology

VUELTA ITALY SPECIAL ALLOY SUPERLITE RIM

-SPECIAL STAINLESS STEEL SPOKES - C40 made by ALPINA
-12 spokes front wheel -16 spokes rear wheel
-racing rims 622x13 42mm highwall in Aluminium by GLM
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-straight pull hubs in forged alloy with 2 sealed bearings front and 5 sealed bearings rear
-interchangeable Shimano or Campagnolo compatible cassette
-weight: 1 wheelset 1800grs



MTB WHEELS



TIOGA

Rear.

Front.



Front wheel: TIOVTSXC/F
Rear wheel: TIOVTSXC/R

TIOGA VTS UST TUBELESS XC

-weight: front wheel 790grs - rear wheel 960grs
1 wheelset 1750grs
-Tioga XC extralite alloy rims 559x19 20mm highwall
VTS UST (Patented) tubeless
-spokes in stainless steel made by Alpina - Italy, for any racing condition, for extreme reactivity and lightweight:
24 spokes front and 24 spokes rear
-spoking pattern: 12 pairs XRP "Two Left-Two Right"
spoking system (Patented)
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-original Shimano hubs with centerlock disc system
-available with Tioga Red Phoenix tubeless tyres

TIOGA

Front.

Rear.



Front wheel: TIOXC/F
Rear wheel: TIOXC/R

TIOGA XC

-weight: front wheel 880grs - rear wheel 1050grs
1 wheelset 1930grs
-Tioga XC extralite alloy rims 559x19 25mm highwall
-spokes in stainless steel made by Alpina - Italy, for any racing condition, for extreme reactivity and lightweight: 24 spokes front and 24 spokes rear
-spoking pattern: 12 pairs XRP "Two Left-Two Right" spoking system (Patented)
-nipples ABS with Autoblock System by Alpina - Italy (Patented)
-original Shimano hubs with centerlock disc system
-available with Factory XC Tioga tyres

Technical Manual

OEMrange

CORSA - MOUNTAIN - TREKKING
CITY - COMFORT - BMX-FREESTYLE



VUELTA

Front.

Rear.



Front: XRP2CORSASB/F
Rear Shimano: XRP2CORSASB/RS
Rear Campagnolo: XRP2CORSASB/RC

VUELTA ITALY XRP II WHITE CORSA

-weight: 1 wheelset 1850 grs
-racing rims in extralight white 700x13 - 30mm highwall for clincher tyres
-spokes in C40 Special Steel made by Alpina – Italy, 4,5mm Aero, 22 black 2 white
-spoking pattern: 12 pairs XRP "Two Left – Two Right" spoking system (Patented)
-nipples ABS with Autoblock System by Alpina –
Italy (Patented)
-black hubs in forged alloy with 2 sealed bearings front and 4 sealed bearings rear,
both Shimano and Campagnolo 9/10 speed compatible cassette available

Rear.



Front.

Front: XRP2TREKK/F
Rear: XRP2TREKK/R

VUELTA ITALY XRP II
WHITE TREKKING

-weight: 1 wheelset 2100 grs
-trekking Airline 1 rims in lite alloy white 700x21 25mm highwall
-spokes in C40 Special Steel made by Alpina – Italy, 4,5mm Aero, 22 black 2 white
-spoking pattern: 12 pairs XRP "Two Left – Two Right" spoking system (Patented)
-nipples Alpina – Italy with Loctite 221 (keep high tension & easy rework of nipples)
-black hubs in forged alloy, rear Shimano 8/9 speed compatible cassette
-available with Dynamo hub

Rear.



Front.

Front: XRP2MTB/F
Rear: XRP2MTB/R

VUELTA USA XRP II WHITE
NON TUBELESS XC/MTB

-weight: 1 wheelset 1900 grs
-XC Airline 1 white rims 559x21 25mm highwall in lite alloy, for disc and V-brakes
-spokes in C40 Special Steel made by Alpina – Italy, 4,5mm Aero, 22 black 2 white
-spoking pattern: 12 pairs XRP "Two Left – Two Right" spoking system (Patented)
-nipples Alpina – Italy with Loctite 221 (keep high tension & easy rework of nipples)
-black hubs in forged alloy for 6-hole disc pattern, rear Shimano 8/9 speed compatible cassette

Rear.



Front.

Front: STARCORSALB/F
Rear Shimano: STARCORSALB/RS
Rear Campagnolo: STARCORSALB/RC

VUELTA ITALY STARLITE BLACK CORSA

-weight: 1 wheelset 1950 grs
-racing rims in extralight black 700x13 30mm highwall for clincher tyres
-spokes in C40 Special Steel made by Alpina – Italy, 4,5mm Aero, 22 black 2 white
-spoking pattern: 12 pairs XRP "Two Left – Two Right" spoking system (Patented)
-nipples ABS with Autoblock System by Alpina – Italy (Patented)
-black hubs in forged alloy with loose balls, both Shimano and Campagnolo 9/10 speed compatible cassette available

Rear.



Front.

Front: STARMTB/F
Rear: STARMTB/R

VUELTA USA STARLITE BLACK NON TUBELESS XC/MTB

-weight: 1 wheelset 1900 grs
-XC Airline 1 black rims 559x21 25mm highwall in lite alloy, for disc and V-brakes
-spokes in C40 Special Steel made by Alpina – Italy, 4,5mm Aero, 22 black 2 white
-spoking pattern: 12 pairs XRP "Two Left – Two Right"spoking system (Patented)
-nipples Alpina – Italy with Loctite 221 (keep high tension & easy rework of nipples)
-black hubs in forged alloy for 6-hole disc pattern, rear Shimano 8/9 speed compatible cassette

Rear.



Front.



Front: STARTREKK/F
Rear: STARTREKK/R

VUELTA ITALY STARLITE BLACK TREKKING

-weight: 1 wheelset 2100 grs
-trekking Airline 1 rims in lite alloy black 700x21 25mm highwall
-spokes in C40 Special Steel made by Alpina – Italy, 4,5mm Aero, 22 black 2 white
-spoking attern: 12 pairs XRP "Two Left – Two Right" spoking system (Patented)
-nipples Alpina – Italy with Loctite 221 (keep high tension & easy rework of nipples)
-black hubs in forged alloy, rear Shimano 8/9 speed compatible cassette
-also available with Dynamo hub

Rear.



Front.

Front: STARBMX/F
Rear: STARBMX/R

VUELTA USA STARLITE BLACK BMX-FREESTYLE

-weight: 1 wheelset 1500 grs
-BMX Airline 1 rims in lite alloy black 407x21 25mm highwall
-spokes in C40 Special Steel made by Alpina – Italy, 4,5mm Aero, 22 black 2 white
-spoking pattern: 12 pairs XRP "Two Left – Two Right" spoking system (Patented)
-nipples Alpina – Italy with Loctite 221 (keep high tension & easy rework of nipples)
-black hubs in forged alloy, rear single speed

Rear.



Front.

Front: ZEROCORSALB/F
Rear Shimano: ZEROCORSALB/RS
Rear Campagnolo: ZEROCORSALB/RC

VUELTA ITALY ZEROLITE CORSA

-weight: 1 wheelset 1950 grs
-racing rims in extralight silver 700x13 30mm highwall for clincher tyres
-spokes in C40 Special Steel made by Alpina – Italy, 2,0mm Round, 24 black
-spoking pattern: 12 pairs XRP "Two Left – Two Right" spoking system (Patented)
-nipples ABS with Autoblock System by Alpina – Italy (Patented)
-black hubs in forged alloy with loose balls, both Shimano and Campagnolo 9/10 speed compatible cassette available

Rear.



Front.

Front: ZEROMTB/F
Rear: ZEROMTB/R

VUELTA USA ZEROLITE NON TUBELESS XC/MTB

-weight: 1 wheelset 1900 grs
-XC Airline 1 silver rims 559x21 25mm highwall in lite alloy, for disc and V-brakes
-spokes in C40 Special Steel made by Alpina – Italy, 2,0mm Round, 24 black
-spoking pattern: 12 pairs XRP "Two Left – Two Right" spoking system (Patented)
-nipples Alpina – Italy with Loctite 221 (keep high tension & easy rework of nipples)
-black hubs in forged alloy for 6-hole disc pattern, rear Shimano 8/9 speed compatible cassette

Rear.



Front.



Front: ZEROTREKK/F
Rear: ZEROTREKK/R

VUELTA ITALY ZEROLITE TREKKING

-weight: 1 wheelset 2100 grs
-trekking Airline 1 rims in lite alloy silver 700x21 25mm highwall
-spokes in C40 Special Steel made by Alpina – Italy,
2,0mm Round, 24 black
-spoking pattern: 12 pairs XRP "Two Left – Two Right"
spoking system (Patented)
-nipples Alpina – Italy with Loctite 221
(keep high tension & easy rework of nipples)
-black hubs in forged alloy, rear Shimano 8/9 speed compatible cassette
-also available with Dynamo hub

Rear.



Front.

Front: ZEROBMX/F
Rear: ZEROBMX/R

VUELTA USA ZEROLITE
BMX-FREESTYLE

-weight: 1 wheelset 1500 grs
-BMX Airline 1 rims in lite alloy silver 407x21 25mm highwall
-spokes in C40 Special Steel made by Alpina – Italy,
2,0mm Round, 24 black
-spoking pattern: 12 pairs XRP "Two Left – Two Right"
spoking system (Patented)
-nipples Alpina – Italy with Loctite 221
(keep high tension & easy rework of nipples)
-black hubs in forged alloy, rear single speed

CarbonPRO™ MATRIX

CARBON MATRIX TECHNOLOGY

VUELTA

CarbonPRO™

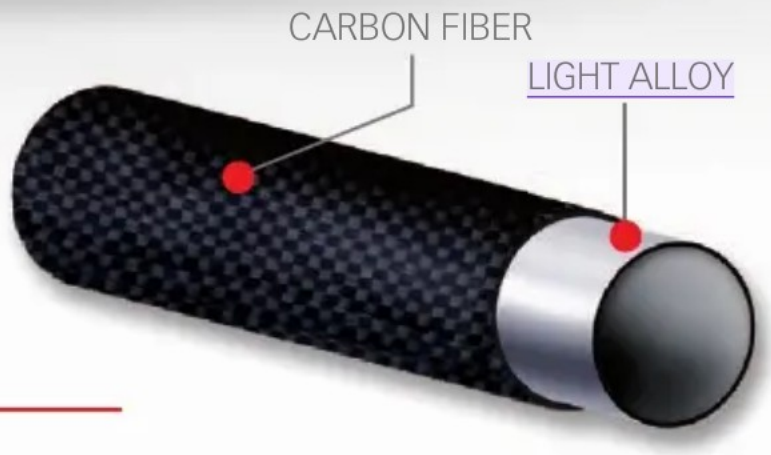
CARBON MATRIX CORSA



CARBON PRO MATRIX™



Corsa size 54 1200 grs



Carbon Pro Matrix technology

The Carbon Pro Matrix technology has been successfully developped by Vuelta Italy and Giant Light Metal for the racing rims in the past 3 years: now for the 2008 range of products Vuelta Italy introduces a full range of Carbon Matrix frames, with a new patented sophisticated Carbon Pro Matrix process, derivated from the aerospace and aircraft industry, for the first time applied in the bicycle frames: thanks to the adoption of the best performances of special aluminunium alloys and of the carbon fibers we are proud to introduce a full range of Carbon Pro Matrix frames: we are able to reduce the thickness of the alloy tubes and create an extremerly light triple butted frame reinforced with the carbon fibers: this allows to increase the latheral strength by 50% and the shocs resistance by over 100%: all the Carbon Pro Matrix frames supplied by Vuelta Italy pass the new CEN European Norms EN14764, EN14766 and EN14781: this Carbon ProMatrix technology applied to the frames opens very wide possibilities of improving the weight and the durability of the high and middle range bicycles.



Trekking/City size 53 1800 grs

Mountain size 49 1500 grs





WORLD HOUR RECORD

ONDREJ SOSENKA

49,700 Km/h

VUELTA
ITALIAN RACING INSTINCT

The Fastest Wheels in the World:

WORLD HOUR RECORD
ONDREJ SOSENKA

TRACK
PISTA

AN EXTRAORDINARY HOUR!
Ondrej Sosenka is the new World Hour Recordman: 49,700 Kms,
beating of more than 200 meters the previous record belonging to Boardman.

TRACK-PISTA



Front: TRACK/F
Rear : TRACK/R



VUELTA ITALY TRACK-PISTA

-weight: 1 wheelset 1950 grs
-racing rims in extralight black 700x13 30mm highwall for clincher tyres
-spokes in C40 Special Steel made by Alpina – Italy, 2,0mm Round, 24 black
-spoking pattern: 12 pairs XRP "Two Left – Two Right" spoking system (Patented)
-nipples ABS with Autoblock System by Alpina – Italy (Patented)
-black hubs in forged alloy with loose balls: Front hub with solid spindle, rear hub with double thread for fixed sprockett and freewheel.

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